

Hydrology of Massachusetts

Part 1. Summary of stream flow and precipitation records

By C. E. KNOX and R. M. SOULE

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Public Works*



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UNITED STATES DEPARTMENT OF THE INTERIOR

J. A. Krug, *Secretary*

GEOLOGICAL SURVEY

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ILLUSTRATION

Plate 1. Map showing location of stream-gaging stations and precipitation stations in Massachusetts..... In pocket

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HYDROLOGY OF MASSACHUSETTS

PART 1. SUMMARY OF STREAM-FLOW AND PRECIPITATION RECORDS

INTRODUCTION

The conservation of the water resources of Massachusetts for ourselves and for future generations is of vital importance to all those interested in the welfare of this section of our country. Flood control and the works connected therewith, flood forecasting, hydro-power developments, the safety of hydraulic structures, domestic and industrial water-supply development, pollution abatement, and other sanitary measures are some of the modern problems in the use of water and its control which demand continuous, comprehensive, and dependable hydrologic data.

An adequate supply of water is essential to all forms of life and to most human activities and has been important in the development of the Commonwealth. The limiting effect of this resource on human activities is becoming more apparent with the increase of population, the rise in standards of living, and the greater variety of purposes for which water is used. The public does not care how much or how little there is in the supply as long as there is ample water for all uses. The public interest becomes acute in times of drought which limits use of water or in times of flood which destroys property.

The basis for the use of hydrologic data on precipitation, floods, stream flow, and ground-water fluctuations is the assumption that climate and its resulting hydrologic events which have occurred in the past will occur in about the same manner in the future, and that a record of past occurrences, if of sufficient duration, is a preview of future occurrences.

The oldest continuous precipitation record in Massachusetts is that at New Bedford which was started in 1814 by Samuel Rodman. Other interested individuals and companies and various State departments gradually started to collect precipitation records. The United States Weather Bureau first obtained records in 1888. Later the Weather Bureau assembled and published records collected by various individuals, companies, and local and State agencies. Methods of collection were standardized so that the records would be comparable.

The first stream-flow record in Massachusetts and probably the oldest in the country is that for Merrimack River at Lowell which was started by J. B. Francis in 1848. This record is not complete because the discharge is for the 10-hour period each day when mills were in operation.

Other individuals, companies, and State organizations started to collect data usually at points where there was a specific power or water-supply development. The Geological Survey established a gaging station on the Connecticut River at Sunderland in 1904. It was not until 1909, when the Geological Survey and the Commonwealth entered into a cooperative agreement, that a substantial beginning toward the systematic collection of stream-flow records was made. The work has been continued and enlarged gradually so that records have been collected at about 75 stations in Massachusetts. In September 1945, fifty-six gaging stations were being maintained in Massachusetts by the Geological Survey and the cooperating agencies. The records have been published annually and are scattered through 48 reports, many of which are out of print. Some of the records have been revised after publication on basis of later data and office analyses. The revisions, which are contained in later reports, are often overlooked by the user of the data. The individual summaries given in the present report include all revised records.

Stream-flow records in the annual water-supply papers prior to 1914 were published on the basis of the calendar year. Beginning with the report for 1914 the records have been published on the basis of the water year, which ends September 30. Water-Supply Paper 415 contains a compilation of all available records through 1915 collected by various individuals, organizations, and government agencies. The records are arranged on basis of the water year. Water-Supply Paper 871 contains summaries of yearly discharge for both the water years ending September 30 and the calendar years for the period of record prior to September 30, 1939, for most of the stations in Massachusetts. Those figures do not necessarily agree exactly with yearly figures given in the present report because of differences in computation methods.

Precipitation data have been given in numerous Weather Bureau bulletins and in summaries prepared by the Massachusetts Department of Public Health, and published in various issues of the Journal of the New England Water Works Association. All of these data are computed on a calendar year basis.

The purpose of this report is to bring together in one volume summaries of monthly discharge and precipitation for all available records in Massachusetts. Yearly totals for both the calendar year and the water year ending September 30 are given for the discharge records. Yearly totals for the water year only are given for the precipitation records.

A few discharge records are published for the first time. These previously unpublished records are indicated by footnotes to the tables of discharge.

COOPERATION AND ACKNOWLEDGMENTS

Since 1909 successive Massachusetts Legislatures have appropriated funds for cooperation with the Geological Survey in making investigations of water resources. The compiling of the hydrologic data contained herein has been included as a part of the cooperative program in Massachusetts upon approval of W. H. Buracker, commissioner, State Department of Public Works, and in accordance with arrangements with Richard K. Hale, director of Division of Waterways. Many State, municipal, and private organizations and other Federal bureaus have cooperated, either by furnishing data or by assisting in collecting data. Acknowledgment for cooperation in collecting the stream-flow records is given in the annual series of water-supply papers.

This report was prepared under the direction of H. B. Kinnison, district engineer, Boston, Massachusetts, by C. E. Knox, assisted by W. P. Somers.

Monthly precipitation data were assembled by Ralph M. Soule, assistant sanitary engineer, Massachusetts Department of Public Health under the direction of Arthur D. Weston, chief engineer. Water year totals were computed by the Geological Survey. Acknowledgment of the source of the precipitation records is indicated by reference symbols in the table headings and footnotes at the end of the section that contains the precipitation tables. Most of the records were collected by the United States Weather Bureau, the Massachusetts Department of Public Health, Metropolitan Water Works, and Metropolitan District Water Supply Commission.

EXPLANATION OF DATA

The data presented in this report are assembled for water years ending September 30. The annual discharge is also given by calendar years for the convenience of those who prefer such an arrangement.

Stream-flow data

The base data collected at gaging stations consist primarily of records of stage and measurements of discharge. Records of stage are obtained either from water-stage recorders or from direct readings on staff, chain, or wire-weight gages. Measurements of discharge are made with a current meter by use of equipment and methods developed by the Geological Survey through many years of experience.

Rating tables for each gaging station, indicating the discharge at any stage, are prepared from rating curves which show graphically the relation between stage and discharge. Daily discharge, from which the maximum, minimum, monthly mean, and yearly mean discharges are computed, is determined by applying daily mean gage height to the rating tables, or for days having considerable fluctuation in stage, by averaging the discharge for intervals of the day. For streams that are subject to rapid diurnal fluctuation the mean daily discharge is obtained by the use of a discharge integrator, an instrument that operates on the principle of a planimeter but contains as an essential element the rating curve for the station.

The description of a gaging station gives its location by latitude and longitude as determined from Geological Survey topographic maps. Its location is also given with reference to the nearest town and to any nearby prominent feature on the stream. The types of all gages, their locations, and datum of each, where known, are indicated. If more than one site or gage was used, the latest site or gage is described first, after which the others are discussed in chronological order.

Drainage areas given are those obtained from the latest available Geological Survey topographic maps. If more than one site was used for the gage, the drainage area for the latest site is given first after which the others are listed in chronological order. In cases of diversions from the basin, total drainage area is listed and then net drainage area with a discussion of location and purpose of the diversion. A statement gives the periods for which records have been published. Those records, unless qualified, consist of discharge records and they have been published for the entire period unless otherwise noted.

Under "Extremes" are given, for the periods indicated, the maximum discharge and gage height; the minimum discharge if there is little or no regulation; the minimum daily discharge if there is extensive regulation; and the minimum gage height if important. Unless qualified, the maximum discharge corresponds to the crest stage, obtained by use of a water-stage recorder or a nonrecording gage read at time of the crest. Likewise, the minimum discharge corresponds to the lowest stage, unless otherwise qualified. Special mention is made of records furnished by cooperating parties, of unusual conditions or methods used in making discharge measurements, and of wastages, storage, diversion, and other information having an important bearing on the records.

In general, stream-flow data are presented in three separate tables. The first table contains the monthly and annual discharges, in second-feet, by water years ending September 30. The figures given represent actual flow past the station except for a few furnished records which are qualified under "Remarks" and by the word "adjusted" in the table heading. The second table contains the monthly and annual runoff, in inches, by water years ending September 30 and was computed from the monthly discharges given in the first table, adjusted where necessary for wastage, storage, or diversions. Any adjustment made is described under "Remarks" and the table heading is qualified by the word "adjusted." The drainage areas for many stations have been revised slightly from time to time as more accurate maps have become available. As the changes in area were small revised figures of discharge per square mile and runoff in inches have not been previously published. However, the figures in the present report have been computed using the latest drainage areas. Any change from previously published figures is noted by a footnote stating that the runoff has been recomputed on the basis of the new drainage area. The third table gives annual discharges by water and calendar years. The first column gives the year. The second column gives the water-supply paper in which complete records of discharge for that year may be found. If any of those records have been revised at a later date, that fact is made known by reference to a second water-supply paper which contains the revisions. The table gives for each water year the maximum daily mean discharge, the minimum daily mean discharge, the yearly mean discharge, discharge in second-feet per square mile, and runoff in inches. It also gives the mean discharge and runoff in inches for the calendar years. Where necessary, for some stations, and if correction figures are available, the table also gives the adjusted mean discharge, discharge in second-feet per square mile, and runoff in inches. For these stations the runoff in inches for the calendar year is computed from the adjusted figure. Suitable notations in each table show whether a figure is observed or adjusted.

Duration tables

Duration tables computed on the basis of mean daily discharge records are given for most current and a few discontinued stations. For convenience in presenting the tables, the discharge unit used is second-feet per square mile. Discharge in second-feet for any station may be obtained by multiplying the discharge in second-feet per square mile by the drainage area of that station. The headings give the name of the

river, location, drainage area, and period in water years ending September 30 used for each station.

Precipitation data

Precipitation data are presented in tables listing monthly and annual precipitation by water years ending September 30. The heading gives the town, latitude and longitude, and elevation of gage and person or organization that collected the data. Where several records were collected by one organization, a symbol was used to identify the organization that is responsible for the collected record. The symbols used for each organization appear at the end of the precipitation data.

BIBLIOGRAPHY

Stream-flow data given herein consists of monthly and yearly discharge in a form available for ready reference. For records of daily discharge and other detailed information, the publications listed in the following table should be consulted.

<u>Year</u>	<u>Water-Supply Paper</u>	<u>Year</u>	<u>Water-Supply Paper</u>
1899	35	1923	561
1900	47	1924	581
1901	65, 75	1925	601
1902	82	1926	621
1903	97	1927	641
1904	124	1928	661
1905	165	1929	681
1906	201	1930	696
1907-8	241	1931	711
1909	261	1932	726
1910	281	1933	741
1911	301	1934	756
1912	321	1935	781
1913	351	1936	801
1914	381	1937	821
1915	401	1938	851
1916	431	1939	871
1917	451	1940	891
1918	471	1941	921
1919-20	501	1942	951
1921	521	1943	971
1922	541	1944	1001
		1945	1031

In addition to the above publications, Water-Supply Paper 415 contains daily, monthly, and yearly records of discharge for all gaging stations in Massachusetts from the beginning of each record through the 1915 water year.

Detailed information on the stage and discharge of many streams during the 1927, 1936, and 1938 floods are contained in the following water-supply papers:

636-C	The New England flood of November 1927.
798	The floods of March 1936, Part I, New England Rivers.
867	Hurricane floods of September 1938.

A specific bibliography for each gaging station is given in the table of yearly discharges. The second column of that table gives the water-supply paper in which records for a given year may be found and, if revisions of that record have been made, reference is made to the water-supply paper in which the revisions are published.

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37	Millers River at Erving								
38	Sip Pond Brook near Winchendon								
39	Priest Brook near Winchendon								
40	Otter River near Gardner								
41	East Branch Tully River near Athol								
42	Moss Brook at Wendell Depot								
43	Deerfield River at Charlemont								
44	Deerfield River at Shelburne Falls								
45	Deerfield River near West Deerfield								
46	North River at Shattuckville								
47	Mill River at Northampton								
48	Ware River at Coldbrook								
49	Ware River at Gibbs Crossing								
50	Chicopee River at Indian Orchard								
51	Swift River at West Ware								
52	East Branch Swift River near Hardwick								
53	Quaboag River at West Warren								
54	Quaboag River at West Brimfield								
55	Mill River at Springfield								
56	Westfield River at Knightville								
57	Westfield River near Westfield								
58	Middle Branch Westfield River at Goss Heights								
59	West Branch Westfield River at Huntington								
60	Westfield Little River at outlet of Cobble Mountain Reservoir near Westfield								
61	Westfield Little River near Westfield								
62	Borden Brook near Westfield								
63	Farmington River near New Boston								
	HOUSATONIC RIVER BASIN								
64	Housatonic River at Coltsville								
65	Housatonic River near Great Barrington								
66	Housatonic River at Falls Village, Conn.								
	HUDSON RIVER BASIN								
67	Hoosic River at Adams								
68	Hoosic River near Williamstown								
69	North Branch Hoosic River at North Adams								

STREAM-FLOW RECORDS

MERRIMACK RIVER BASIN

MERRIMACK RIVER BELOW CONCORD RIVER, AT LOWELL, MASS.

Location.— Water-stage recorder, lat. 42°38'45", long. 71°17'56", at Lowell, Middlesex County, 1,100 feet downstream from Concord River. Datum of gage is 5.18 feet above mean sea level, datum of 1929.

Drainage area.— Total above gage, 4,635 square miles; net above gage, 4,425 square miles (flow diverted from 210 square miles for use of Boston metropolitan district and city of Worcester). Prior to July 1, 1937, net above gage, 4,424 square miles (flow diverted from 211 square miles for use of Boston metropolitan district and city of Worcester).

Records available.— June 1923 to September 1945.

Extremes.— 1923-45: Maximum discharge, 173,000 second-feet Mar. 20, 1936 (gage height, 68.4 feet, from floodmarks); minimum daily, 199 second-feet (regulated) Sept. 23, 1923.

Remarks.— Flow regulated by power plants, and by Squam, Little Squam, Newfound, Merrymeeeting, Wentworth, Winnepesaukee, Winnisquam, and other lakes, and Blackwater Reservoir (since November 1941) and Franklin Falls Reservoir (since March 1942). Runoff in inches adjusted for wastage by Boston metropolitan district and city of Worcester from 210 square miles (prior to July 1, 1937, 211 square miles) in basins of South Branch Nashua and Sudbury Rivers and Lake Cochituate to obtain runoff from net area.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1923	-	-	-	-	-	-	-	-	3,568	2,002	1,823	1,446	-
1924	2,394	5,742	11,770	9,483	4,980	8,719	24,240	15,270	4,018	2,086	1,658	3,843	7,847
1925	2,841	2,762	3,281	1,821	9,191	16,890	14,650	6,788	3,426	3,991	2,544	2,229	5,826
1926	3,646	6,747	8,713	5,234	4,271	8,144	19,210	10,610	3,954	2,387	1,796	1,541	6,355
1927	2,372	7,392	4,385	4,547	4,905	15,710	9,183	7,066	3,680	2,955	3,394	5,015	5,886
1928	5,729	17,980	13,550	8,586	8,690	8,731	15,960	14,820	10,140	6,743	6,220	5,732	10,200
1929	3,526	3,581	4,176	6,120	5,873	17,290	19,900	17,000	4,555	2,566	1,723	1,583	7,536
1930	1,768	2,253	2,127	4,316	4,863	11,620	10,540	6,008	5,211	2,332	2,290	1,566	4,669
1931	1,334	2,962	2,411	1,833	2,105	7,795	17,710	9,365	10,760	3,432	2,311	2,099	5,336
1932	2,115	2,876	4,698	9,352	6,547	6,966	22,260	6,762	2,398	2,591	2,115	3,302	5,935
1933	6,234	11,840	5,677	6,572	6,427	12,070	35,020	11,110	3,933	1,798	2,281	3,984	6,880
1934	4,991	4,119	4,224	5,562	3,819	10,860	28,640	10,580	4,135	1,900	1,682	3,693	6,992
1935	4,204	5,702	6,373	10,830	7,268	13,820	15,140	8,607	9,940	4,974	2,205	2,744	7,646
1936	1,972	3,266	4,218	6,440	4,592	45,780	20,720	7,750	3,082	2,043	1,580	1,846	8,645
1937	3,574	3,605	10,700	11,900	10,640	8,526	17,140	20,090	8,503	3,855	2,551	2,243	8,609
1938	3,500	9,510	11,880	9,378	10,930	11,060	13,120	7,626	5,198	8,811	7,547	19,650	9,820
1939	7,885	6,546	15,080	7,413	6,087	10,720	26,440	12,190	4,203	2,251	2,332	1,726	6,880
1940	1,808	3,552	3,175	2,546	2,421	4,132	28,460	16,890	10,490	3,935	2,242	2,953	7,012
1941	1,879	5,991	5,042	6,065	7,957	5,824	10,180	4,093	2,427	2,482	1,425	1,249	4,519
1942	1,556	2,394	2,569	3,420	2,811	14,310	15,030	6,472	6,371	3,340	2,612	2,017	5,290
1943	2,440	5,560	6,920	5,338	5,839	12,420	13,800	18,130	6,190	2,826	4,796	2,606	7,244
1944	3,594	9,089	4,405	2,697	3,136	7,439	18,840	9,990	9,858	4,500	1,943	3,923	6,595
1945	3,367	3,513	6,449	6,831	5,848	20,570	14,850	16,880	11,460	6,379	3,572	2,751	8,756

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1923	-	-	-	-	-	-	-	-	0.89	0.52	0.47	0.36	-
1924	0.62	1.42	3.01	2.42	1.20	2.23	6.00	3.91	1.00	.54	.42	.98	23.73
1925	.74	.70	.84	.42	2.11	4.35	3.66	1.75	.86	1.03	.66	.56	17.68
1926	.94	1.68	2.23	1.54	.96	2.06	4.80	2.74	.99	.62	.46	.59	19.21
1927	.61	1.84	1.12	1.15	1.12	4.05	2.30	1.82	.92	.76	.86	1.24	17.79
1928	1.46	4.37	3.48	2.21	2.08	2.25	3.99	3.80	2.47	1.72	1.60	1.43	30.86
1929	.90	.89	1.07	1.56	1.34	4.43	4.86	4.31	1.14	.67	.45	.40	22.02
1930	.46	.56	.54	1.10	1.12	3.00	2.63	1.56	1.30	.61	.59	.59	13.86
1931	.35	.74	.62	.47	.49	1.99	4.44	2.42	2.68	.88	.60	.53	16.21
1932	.55	.72	1.22	2.34	1.59	1.78	5.57	1.74	.80	.62	.55	.80	18.08
1933	1.59	2.91	1.45	1.67	1.48	2.99	8.54	2.87	.98	.47	.59	.97	26.51
1934	1.28	1.03	1.08	1.41	.88	2.76	7.02	2.64	1.03	.49	.44	.92	20.99
1935	1.07	1.42	1.64	2.71	1.64	3.48	3.70	2.19	2.48	1.29	.57	.68	22.92
1936	.51	.81	1.08	1.64	1.09	11.53	5.08	1.99	.77	.55	.41	.46	25.90
1937	.92	.89	2.71	3.03	2.45	2.14	4.22	5.15	2.11	.99	.66	.58	25.85
1938	.80	2.36	3.03	2.38	2.47	2.81	3.27	1.95	1.26	2.10	1.91	4.76	29.18
1939	1.98	1.62	3.77	1.88	1.58	2.62	6.45	2.16	1.05	.58	.89	.43	28.51
1940	.47	.88	.82	.60	.57	1.03	7.08	1.88	2.62	1.01	.58	.74	21.26
1941	.48	1.49	1.29	1.56	1.83	1.48	2.54	1.06	.61	.84	.37	.51	13.66
1942	.40	.60	.66	.88	.65	3.65	3.76	1.67	1.75	.66	.67	.50	16.03
1943	.63	1.36	1.76	1.26	1.34	3.17	2.45	4.68	1.54	.72	1.24	.65	21.91
1944	.93	2.28	1.14	.70	.75	1.91	4.70	2.58	2.48	1.16	.50	.98	20.11
1945	.87	.88	1.65	1.75	1.33	5.29	3.72	4.87	2.86	1.64	.92	.69	26.47

HYDROLOGY OF MASSACHUSETTS

Annual discharge, in second-feet, of Merrimack River below Concord River, at Lowell, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1923	781	-	-	-	-	-	-	-	-
1924	781	53,500	227	7,847	7,710	1.74	23.73	6,923	20.96
1925	781	51,200	234	5,826	5,757	1.30	17.68	6,682	20.25
1926	781	36,900	318	6,355	6,261	1.42	19.21	5,932	17.93
1927	781	32,700	284	5,886	5,800	1.31	17.79	7,795	23.53
1928	781	66,200	795	10,200	10,030	2.27	30.86	8,063	24.41
1929	781	33,600	407	7,536	7,175	1.62	22.02	6,903	20.72
1930	781	26,500	310	4,569	4,529	1.02	13.86	4,614	14.01
1931	781	32,700	364	5,336	5,280	1.19	16.21	5,590	16.99
1932	781	46,800	468	5,933	5,877	1.33	18.08	7,099	21.54
1933	781	69,900	498	8,680	8,631	1.95	26.51	8,016	23.95
1934	781	58,300	505	6,992	6,837	1.55	20.99	7,238	21.73
1935	781	39,800	600	7,646	7,471	1.69	22.92	7,073	21.19
1936	801	161,000	541	8,645	8,428	1.91	25.90	9,357	28.02
1937	821	36,500	680	8,609	8,429	1.91	25.85	9,188	27.62
1938	851	118,000	469	9,820	9,515	2.15	29.18	10,220	30.26
1939	871	46,700	574	8,580	8,318	1.88	25.51	6,807	20.31
1940	891	54,400	452	7,012	6,917	1.56	21.28	7,876	22.37
1941	921	16,900	297	4,519	4,449	1.01	13.66	3,986	12.06
1942	951	25,400	286	5,290	5,229	1.18	16.03	5,987	18.12
1943	971	26,800	423	7,244	7,145	1.61	21.91	7,427	22.51
1944	1001	47,800	405	6,595	6,543	1.48	20.11	6,292	19.16
1945	1031	38,000	521	8,736	8,628	1.95	26.47	-	-
1924 - 45	-	161,000	227	7,175	7,044	1.59	-	-	-

MERRIMACK RIVER AT LAWRENCE, MASS.

Location.- Lat. 42°42'20", long. 71°09'10", at dam of Essex Co., in Lawrence, Essex County.Drainage area.- Total above dam, 4,672 square miles; net above dam, 4,462 square miles (flow diverted from 210 square miles for use of Boston metropolitan district and city of Worcester). Prior to July 1909 total area was 4,673 square miles. In July 1909, Dug Pond in Lake Cochituate Basin was diverted to Charles River, thus artificially reducing drainage area 1 square mile. Prior to Jan. 1, 1881, the net drainage area was 4,576 square miles; Jan. 1, 1881, to Mar. 6, 1898, 4,579 square miles; Mar. 7, 1898, to July 1, 1937, 4,461 square miles.Records available.- October 1879 to September 1945.Extremes.- 1879-1945: Maximum discharge, 174,000 second-feet Mar. 20, 21, 1936 (gage height, 48.0 feet).

Maximum discharge previously known, 108,000 second-feet Apr. 23, 1852 (gage height, 44.12 feet).

Remarks.- Discharge determined by computation of flow over dam and through wheels and gates. Flow regulated by power plants, and by Squam, Little Squam, Newfound, Merrymeeting, Wentworth, Winnepesaukee, Winnisquam, and other lakes, and Blackwater Reservoir (since November 1941) and Franklin Falls Reservoir (since March 1942). Runoff in inches adjusted for wastage by Boston metropolitan district and city of Worcester from 210 square miles (prior to Jan. 1, 1881, 97 square miles; Jan. 1, 1881, to Mar. 6, 1898, 94 square miles; Mar. 6, 1898, to July 1, 1937, 211 square miles) in basins of South Branch Nashua and Sudbury Rivers and Lake Cochituate to obtain runoff from net area.

Comparison with records for station at Lowell from June 1923 to September 1945 shows Lawrence records to be in error at times.

Cooperation.- Records furnished by Essex Co., R. A. Hale and J. R. Baldwin, Chief Engineers, changed to the climatic-year form by engineers of the Geological Survey.

STREAM-FLOW RECORDS - MERRIMACK RIVER BASIN

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Monthly and annual mean discharge, in second-feet (observed), of Merrimack River at Lawrence, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1880	2,445	4,388	7,088	7,475	12,449	10,620	10,878	5,557	3,188	2,952	2,585	2,241	5,976
1881	1,773	4,244	2,649	2,804	4,792	17,106	16,197	14,249	5,181	3,447	2,794	2,515	6,453
1882	2,494	5,501	8,407	7,452	9,456	16,248	10,405	10,728	9,013	3,142	2,151	3,716	7,374
1883	3,099	2,810	2,161	2,024	2,944	4,090	15,535	8,540	5,040	3,127	1,933	1,219	4,355
1884	1,975	2,868	2,555	4,662	9,609	15,742	26,199	11,922	4,091	2,293	2,118	1,949	7,149
1885	1,852	2,891	4,716	5,317	4,428	8,543	18,823	8,546	4,422	2,850	5,445	2,891	5,376
1886	3,425	9,188	6,982	13,200	17,991	12,083	22,774	6,821	3,267	2,275	1,989	1,986	8,494
1887	2,154	7,082	5,969	7,822	13,217	8,424	22,189	13,814	8,193	6,674	8,566	4,197	9,021
1888	6,122	4,418	6,138	6,417	8,480	10,276	24,905	20,921	5,689	2,512	2,645	7,135	8,550
1889	12,366	15,528	14,920	12,295	6,271	11,037	11,132	6,625	5,390	8,609	5,182	3,498	8,822
1890	5,711	8,976	13,125	6,955	7,721	15,667	17,244	14,285	7,881	3,161	3,406	8,397	9,377
1891	12,314	8,871	6,573	13,298	13,499	23,616	21,519	7,347	4,542	2,895	2,460	2,544	9,956
1892	2,137	2,469	4,113	8,524	4,302	7,330	8,150	10,235	5,819	4,757	4,807	3,944	5,549
1893	2,135	6,494	3,931	2,949	4,995	10,723	15,563	19,504	4,404	2,389	2,582	2,782	6,558
1894	3,614	3,266	5,820	3,022	4,274	14,875	11,085	6,992	6,053	2,278	1,695	1,881	5,324
1895	2,254	5,549	3,033	2,887	2,319	5,857	19,840	6,233	3,038	2,583	2,180	1,678	4,621
1896	4,010	9,558	9,404	6,546	9,109	21,054	18,234	4,438	3,518	2,042	2,019	3,122	7,754
1897	5,186	6,662	4,859	3,409	4,571	10,571	17,612	10,117	12,708	10,799	5,072	2,759	7,819
1898	2,207	5,827	10,876	7,394	7,797	18,612	15,228	10,996	6,464	2,660	3,799	2,910	7,856
1899	6,429	9,887	8,779	7,857	4,882	11,948	26,438	9,528	2,980	2,481	2,086	1,994	7,941
1900	1,789	2,792	2,797	3,360	16,481	16,245	18,500	10,034	3,957	1,818	1,876	1,513	6,764
1901	2,517	5,849	6,788	3,381	2,452	9,510	26,025	15,612	7,521	2,891	4,449	2,657	7,471
1902	4,128	3,050	9,756	10,454	5,620	27,884	17,592	10,188	5,292	4,827	3,763	3,452	8,774
1903	7,162	5,748	8,119	7,689	9,309	27,675	15,587	4,365	10,295	4,648	3,558	2,371	8,860
1904	3,709	2,938	3,720	2,642	2,944	12,518	20,704	17,426	4,667	2,797	2,875	2,915	6,618
1905	3,636	2,697	1,619	3,871	2,272	10,563	16,185	5,216	4,164	2,674	2,702	7,631	5,286
1906	3,261	3,588	5,687	7,664	5,108	7,684	16,159	10,140	10,114	4,951	3,514	1,885	6,613
1907	2,451	3,167	2,558	6,400	3,054	7,799	13,141	9,124	5,351	3,341	1,927	2,965	5,106
1908	6,388	15,066	9,812	8,824	7,487	11,400	11,967	11,575	4,133	2,329	2,986	1,693	7,643
1909	1,474	1,090	1,886	3,025	7,118	7,718	15,315	8,790	4,247	1,929	1,682	1,652	4,708
1910	1,886	1,745	2,265	4,759	4,493	16,311	10,986	6,751	4,876	1,786	2,042	1,771	4,973
1911	1,341	2,053	1,511	2,814	2,164	3,584	13,591	6,064	2,462	1,190	1,467	1,942	3,515
1912	4,095	4,687	5,752	3,594	3,196	12,601	19,454	10,461	5,832	1,838	2,230	2,162	6,325
1913	3,268	5,553	4,790	8,007	4,455	15,204	11,509	6,496	4,032	1,757	1,372	1,735	5,664
1914	3,552	4,352	4,735	3,381	4,424	14,722	22,556	12,996	3,292	2,555	1,946	1,991	6,688
1915	1,358	1,614	1,976	4,972	7,974	6,678	7,987	5,039	2,189	8,108	9,033	2,936	5,015
1916	2,959	3,944	5,902	6,910	7,736	7,950	19,556	12,339	13,965	6,869	4,129	4,337	8,025
1917	3,563	3,336	5,178	4,617	3,497	10,527	14,543	9,629	13,643	4,578	2,618	2,465	6,536
1918	2,780	4,007	2,608	2,114	3,786	9,050	14,975	6,925	5,894	2,478	2,101	3,828	4,867
1919	4,446	5,087	6,752	5,984	3,945	15,301	11,479	12,351	4,512	2,429	1,804	2,932	6,448
1920	3,146	7,464	6,165	2,733	2,962	18,844	27,262	15,999	7,331	3,368	3,031	3,042	8,445
1921	4,704	4,169	14,756	7,790	4,650	16,729	12,190	8,994	2,675	4,691	3,072	1,900	7,193
1922	2,131	4,752	7,535	3,735	4,031	17,633	22,284	13,229	13,724	9,618	3,479	3,498	8,804
1923	3,009	2,911	2,302	5,133	4,129	9,067	22,460	13,231	3,289	1,952	1,776	1,362	5,885
1924	2,216	5,349	10,777	8,924	4,433	8,055	22,934	14,143	4,135	2,072	1,578	3,888	7,332
1925	2,744	2,409	3,215	1,610	8,588	15,899	13,959	6,071	3,093	3,207	2,329	2,034	5,360
1926	3,319	4,821	7,207	4,662	3,786	7,566	17,678	9,722	3,770	2,500	1,832	1,524	5,694
1927	2,283	6,292	3,958	4,400	4,803	14,254	8,200	6,374	3,523	2,886	3,249	4,348	5,333
1928	6,145	16,958	13,636	9,186	9,364	9,213	15,417	14,293	10,604	7,444	6,964	6,745	10,482
1929	4,410	4,417	5,045	6,379	6,769	16,568	18,393	15,696	4,366	2,605	1,787	1,633	7,396
1930	1,826	2,237	2,214	3,910	4,297	10,097	9,140	5,248	4,709	2,330	2,619	1,688	4,164
1931	1,390	2,520	2,321	1,895	2,163	7,296	16,437	8,518	9,987	3,412	2,327	2,104	5,025
1932	2,102	2,772	4,249	8,079	5,847	6,207	20,002	5,933	2,210	2,239	2,155	3,111	5,397
1933	5,564	11,131	5,265	6,106	5,926	11,270	33,955	9,651	3,672	1,819	2,278	4,464	8,393
1934	6,155	5,204	5,567	6,710	5,624	11,112	27,665	10,611	4,316	2,148	2,012	4,225	7,581
1935	5,469	6,637	7,173	13,806	9,221	13,959	15,228	9,233	10,364	5,398	2,807	2,780	8,454
1936	1,903	3,878	5,155	7,704	6,438	47,822	20,586	8,434	3,176	2,146	1,609	1,878	9,263
1937	4,010	4,384	10,575	11,946	11,289	9,499	16,810	19,455	9,519	4,364	2,582	2,372	8,688
1938	3,727	8,407	12,211	9,741	11,237	11,266	13,034	8,459	6,045	9,948	8,663	19,289	10,217
1939	8,705	7,450	15,539	8,047	7,000	11,372	26,271	12,446	4,548	2,199	2,899	1,651	8,954
1940	1,786	3,634	3,090	2,200	2,262	5,273	28,555	18,810	10,944	4,242	2,331	3,177	7,187
1941	1,835	6,736	6,057	7,087	8,546	6,564	10,632	4,279	2,423	2,403	1,327	1,195	4,890
1942	1,459	2,372	2,678	4,098	3,329	14,510	14,823	7,221	7,208	3,944	3,006	2,029	5,563
1943	2,306	5,467	7,870	6,215	6,710	12,525	13,304	17,135	6,608	2,827	4,650	2,516	7,353
1944	3,426	9,639	5,381	3,389	3,945	8,173	18,586	10,513	9,606	4,871	1,922	3,779	6,914
1945	3,291	3,437	6,307	7,130	5,773	20,379	14,650	18,438	11,650	6,227	3,269	2,545	8,620

Monthly and annual runoff, in inches (adjusted), of Merrimack River at Lawrence, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1880	0.61	1.06	1.78	1.87	2.89	2.64	2.62	1.40	0.78	0.74	0.64	0.55	17.58
1881	.45	1.03	.67	.58	1.06	4.18	3.90	3.56	1.22	.86	.70	.61	18.82
1882	.63	1.29	2.11	1.84	2.09	4.01	2.52	2.68	2.19	.79	.54	.90	21.59
1883	.78	.56	.54	.51	.66	.99	3.77	2.13	1.23	.79	.49	.30	12.75
1884	.50	.70	.59	1.18	2.21	3.84	6.29	2.97	.99	.58	.58	.47	20.85
1885	.46	.58	1.18	1.30	.97	2.85	4.43	2.11	1.02	.72	1.37	.70	15.69
1886	.86	2.21	1.72	3.29	3.95	2.97	5.49	1.70	.79	.57	.50	.48	24.53
1887	.54	1.72	1.49	1.89	2.94	2.04	5.33	3.46	1.99	1.68	2.14	1.02	26.24
1888	.79	1.08	1.53	1.60	1.85	2.49	5.99	5.22	1.57	.63	.66	1.72	25.05
1889	3.09	3.21	3.66	3.01	1.40	2.74	2.68	1.65	1.29	.90	1.24	.83	25.67
1890	1.41	2.14	3.24	1.72	1.72	3.83	4.15	3.56	1.91	.80	.86	2.04	27.38
1891	3.04	2.13	1.64	3.25	2.97	5.80	5.18	1.84	1.10	.73	.62	.62	28.92
1892	.54	.60	1.04	2.11	1.00	1.80	1.98	2.55	1.42	1.20	1.21	.96	16.41
1893	.54	1.58	.99	.74	1.12	2.83	3.74	4.83	1.07	.60	.65	.88	19.17
1894	.91	.82	1.34	.76	.97	3.58	2.68	1.75	1.46	.57	.43	.45	15.72
1895	.57	.86	.76	.72	.53	1.45	4.78	1.57	.74	.65	.55	.41	13.59
1896	.99	2.28	2.33	1.64	2.09	5.19	4.42	1.12	.86	.51	.51	.76	22.70
1897	1.30	1.62	1.10	.88	1.04	2.64	4.27	2.54	3.08	2.71	1.27	.67	23.10
1898	.55	1.42	2.61	1.86	1.70	4.65	3.69	2.76	1.57	.67	.89	.71	23.08
1899	1.58	2.33	2.16	1.90	1.07	2.85	6.42	2.44	.74	.64	.54	.50	23.17
1900	.46	.70	.72	.86	3.66	3.95	4.55	2.51	.98	.47	.48	.38	19.72
1901	.65	1.45	1.71	.87	.57	2.38	6.20	3.85	1.84	.74	1.14	.65	22.05
1902	1.05	.73	2.36	2.61	1.24	6.92	4.23	2.59	1.52	1.12	.97	.86	26.00
1903	1.84	1.46	2.02	1.94	2.06	8.94	3.76	1.13	2.48	1.19	.84	.59	26.82
1904	.95	.74	.95	.87	.69	3.12	5.01	4.43	1.13	.72	.66	.75	19.80
1905	.94	.67	.47	.98	.52	2.70	4.03	1.35	1.04	.69	.70	1.90	15.99
1906	.84	.85	1.46	1.96	1.18	1.92	3.99	2.61	2.52	1.27	.85	.47	19.92
1907	.63	.79	.65	1.63	.69	1.98	3.26	2.34	1.33	.86	.50	.74	15.40
1908	1.65	3.25	2.50	2.24	1.77	2.87	2.96	2.95	1.04	.60	.77	.42	23.02
1909	.38	.39	.48	.78	1.62	1.95	3.79	2.25	1.06	.52	.43	.41	14.06
1910	.49	.43	.58	1.20	1.01	4.15	2.72	1.74	1.19	.46	.53	.44	14.94
1911	.34	.51	.39	.72	.50	1.44	3.39	1.57	.61	.31	.38	.48	10.64
1912	1.06	1.17	1.48	.92	.76	3.19	4.61	2.64	1.45	.47	.57	.54	19.06
1913	.84	1.38	1.23	2.04	1.03	3.88	2.78	1.66	1.00	.45	.35	.43	17.07
1914	.91	1.08	1.20	.84	1.00	3.74	5.51	3.31	.82	.64	.50	.50	20.05
1915	.35	.40	.50	1.24	1.81	1.71	1.99	1.29	.54	2.09	2.38	.73	15.03
1916	.76	.97	1.50	1.75	1.80	1.99	4.81	3.15	3.45	1.76	1.06	1.08	24.08
1917	.92	.83	1.33	1.18	.80	2.66	3.62	2.44	3.58	1.18	.72	.61	19.67
1918	.71	.98	.65	.54	.85	2.28	3.72	1.78	.84	.84	.54	.94	14.47
1919	1.14	1.25	1.72	1.31	.91	3.90	2.85	3.16	1.13	.62	.46	.73	19.36
1920	.30	1.83	1.53	.66	.67	4.69	6.68	4.08	1.78	.86	.78	.78	25.12
1921	1.21	1.03	3.75	1.94	1.03	4.24	3.00	2.25	.66	1.19	.79	.47	21.56
1922	.55	1.17	1.90	.96	.92	4.48	5.46	3.32	3.55	2.43	.89	.85	26.28
1923	.76	.68	.57	1.23	.89	2.25	5.52	3.34	.81	.50	.45	.34	17.34
1924	.56	1.30	2.73	2.26	1.05	2.03	5.62	3.58	1.02	.53	.40	.84	21.92
1925	.70	.60	.82	.41	1.96	3.93	3.46	1.56	.77	.82	.60	.51	16.14
1926	.85	1.18	1.81	1.18	.83	1.89	4.38	2.49	.94	.61	.47	.38	17.01
1927	.59	1.55	1.00	1.10	1.09	3.63	2.03	1.63	.87	.74	.81	1.06	16.10
1928	1.56	4.16	3.47	2.34	2.23	2.35	3.83	3.63	2.57	1.88	1.79	1.87	31.48
1929	1.12	1.09	1.28	1.76	1.54	4.20	4.45	3.94	1.08	.67	.46	.41	22.00
1930	.47	.56	.56	.99	.99	2.58	2.26	1.35	1.17	.60	.80	.42	12.55
1931	.36	.63	.60	.49	.50	1.84	4.08	2.18	2.46	.87	.60	.52	15.13
1932	.54	.69	1.12	2.07	1.40	1.57	4.96	1.52	.55	.57	.56	.75	16.30
1933	1.41	2.71	1.33	1.33	1.34	2.75	8.20	2.47	.91	.47	.59	1.08	24.79
1934	1.57	1.29	1.37	1.69	1.30	2.80	6.73	2.68	1.07	.55	.52	1.04	22.61
1935	1.40	1.64	1.83	3.50	2.07	3.48	3.69	2.34	2.56	1.38	.59	.68	25.16
1936	.49	.96	1.31	1.95	1.52	12.00	5.00	2.16	.79	.55	.41	.46	27.60
1937	1.02	1.08	2.66	3.02	2.57	2.39	4.11	4.95	2.34	1.12	.66	.58	26.50
1938	.95	2.32	3.09	2.44	2.51	2.85	3.21	2.14	1.46	2.35	2.19	4.64	30.15
1939	2.18	1.83	3.82	2.03	1.59	2.77	6.35	3.19	1.13	.56	.58	.41	26.44
1940	.46	.95	.79	.55	.52	1.31	7.04	4.82	2.71	1.08	.60	.79	21.62
1941	.47	1.66	1.53	1.81	1.95	1.66	2.63	1.10	.60	.62	.34	.30	14.67
1942	.37	.59	.88	1.05	.63	3.69	3.69	1.86	1.30	1.01	.77	.50	16.75
1943	.59	1.35	1.98	1.57	1.53	3.17	3.30	4.38	1.64	.73	1.20	.83	22.07
1944	.88	2.40	1.38	.87	.94	2.09	4.60	2.70	2.40	1.24	.49	.94	20.93
1945	.85	.85	1.60	1.81	1.30	5.19	3.64	4.72	2.88	1.59	.84	.63	25.90

Note.- Runoff recomputed on basis of revised drainage area. Records since October 1934 not previously published.

Annual discharge, in second-feet, of Merrimack River at Lawrence, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1880	415	27,690	55	5,976	5,927	1.30	17.58	5,548	16.28
1881	415	29,420	52	6,433	6,353	1.29	18.82	7,081	20.70
1882	415	35,050	358	7,374	7,296	1.59	21.59	6,655	19.44
1883	415	30,500	30	4,335	4,303	.940	12.75	4,304	12.66
1884	415	46,800	38	7,149	7,048	1.54	20.85	7,294	21.28
1885	415	24,700	140	5,376	5,304	1.16	15.69	6,263	18.26
1886	415	46,100	132	8,494	8,363	1.83	24.53	8,124	23.49
1887	415	40,700	53	9,021	8,892	1.94	26.24	8,898	25.89
1888	415	38,800	140	8,550	8,443	1.84	25.03	10,812	31.56
1889	415	35,000	380	8,822	8,646	1.89	25.67	7,758	22.52
1890	415	25,200	590	9,377	9,230	2.02	27.38	9,378	27.40
1891	415	41,200	580	9,956	9,773	2.13	28.92	8,370	24.29
1892	415	24,800	280	5,549	5,501	1.20	16.41	5,869	17.34
1893	415	44,800	225	6,538	6,463	1.41	19.17	6,517	19.13
1894	415	27,900	104	5,824	5,298	1.16	15.72	5,055	14.84
1895	415	65,300	71	4,621	4,585	1.00	13.59	5,799	17.00
1896	415	82,150	183	7,754	7,647	1.67	22.70	7,191	21.12
1897	415	41,499	1,044	7,819	7,794	1.70	23.10	8,002	23.66
1898	415	36,800	176	7,856	7,854	1.70	23.08	8,413	24.57
1899	415	38,200	69	7,941	7,812	1.71	23.17	8,464	18.98
1900	415	52,989	36	6,764	6,556	1.47	19.72	7,411	21.65
1901	415	62,511	246	7,471	7,236	1.62	22.05	7,619	22.38
1902	415	61,185	512	8,774	8,506	1.91	26.00	9,115	27.15
1903	415	45,469	304	8,860	8,610	1.93	26.22	7,976	23.57
1904	415	46,336	260	6,618	6,480	1.45	19.80	6,426	19.24
1905	415	45,940	128	5,286	5,253	1.18	15.99	5,634	17.06
1906	415	36,910	76	6,613	6,554	1.47	19.92	6,266	18.84
1907	415	27,271	115	5,106	5,052	1.13	15.40	6,864	20.73
1908	415	32,330	70	7,643	7,545	1.69	23.02	5,617	16.87
1909	415	34,929	88	4,708	4,650	1.04	14.06	4,787	14.31
1910	415	28,420	90	4,973	4,906	1.10	14.94	4,890	14.88
1911	415	20,918	51	3,515	3,499	.784	10.64	4,318	13.11
1912	415	30,720	116	6,325	6,252	1.40	19.06	6,247	18.80
1913	415	37,040	99	5,664	5,589	1.26	17.07	5,585	16.81
1914	415	37,144	124	6,688	6,586	1.48	20.05	6,047	18.11
1915	415	39,200	69	5,015	4,948	1.11	15.03	5,670	17.01
1916	431	32,883	554	8,025	7,899	1.77	24.08	7,989	23.93
1917	451	31,490	269	6,536	6,462	1.45	19.87	6,509	18.93
1918	471	26,928	31	4,837	4,762	1.07	14.47	5,411	16.24
1919	501	38,245	131	6,448	6,354	1.42	19.36	6,464	19.41
1920	501	51,611	329	8,445	8,236	1.85	25.12	9,017	26.95
1921	521	40,421	209	7,193	7,043	1.58	21.56	6,426	19.19
1922	541	42,913	202	8,804	8,624	1.93	28.28	8,288	24.67
1923	561	55,107	59	5,885	5,706	1.28	17.34	6,728	19.92
1924	581	47,669	103	7,332	7,195	1.81	21.92	6,502	19.45
1925	601	49,737	183	5,360	5,293	1.19	16.14	5,970	17.86
1926	621	33,675	162	5,684	5,590	1.25	17.01	5,448	16.31
1927	641	30,192	308	5,383	5,297	1.19	16.10	7,398	22.15
1928	661	66,625	875	10,482	10,315	2.31	31.48	8,592	25.78
1929	681	32,492	214	7,396	7,235	1.62	22.00	6,756	20.10
1930	696	25,085	256	4,164	4,124	.924	12.55	4,164	12.55
1931	711	31,007	120	5,025	4,969	1.11	15.13	5,280	15.89
1932	726	43,175	421	5,397	5,341	1.20	16.30	6,480	19.40
1933	741	66,465	302	8,393	8,144	1.83	24.79	7,988	23.57
1934	756	54,607	255	7,581	7,428	1.66	22.61	7,808	23.25
1935	-	40,425	532	8,454	8,279	1.86	25.16	7,788	23.05
1936	-	169,712	216	9,263	9,046	2.03	27.60	9,897	29.60
1937	-	36,587	552	8,688	8,708	1.95	26.50	9,432	28.10
1938	-	108,190	509	10,217	9,912	2.22	30.15	10,758	31.62
1939	-	46,010	117	8,954	8,692	1.95	26.44	7,048	20.81
1940	-	54,087	261	7,187	7,092	1.59	21.62	7,702	23.08
1941	-	16,250	171	4,890	4,820	1.08	14.67	4,247	12.65
1942	-	25,975	105	5,563	5,502	1.23	16.75	6,318	19.03
1943	-	24,737	494	7,353	7,254	1.63	22.07	7,578	22.81
1944	-	45,925	465	6,914	6,861	1.54	20.93	6,485	19.57
1945	-	38,500	668	8,620	8,512	1.91	25.90	-	-
1880-1945	-	169,712	30	6,954	6,834	1.53	-	-	-

Note.- Runoff recomputed on basis of revised drainage area. Records since October 1934 not previously published.

HYDROLOGY OF MASSACHUSETTS

NORTH NASHUA RIVER NEAR LEOMINSTER, MASS.

Location.— Water-stage recorder, lat. 42°30'06", long. 71°43'23", 1 1/3 miles upstream from Wekepeke Brook, 2 1/2 miles southeast of Leominster, Worcester County, and 6.1 miles upstream from confluence with South Branch Nashua River. Datum of gage is 270.04 feet above mean sea level, datum of 1929.

Drainage area.— 107 square miles.

Records available.— September 1935 to September 1945.

Extremes.— 1935-45: Maximum discharge, 16,300 second-feet Mar. 18, 1936 (gage height, 20.53 feet, from floodmarks), by computation of flow over dam; minimum, 14 second-feet (regulated) Sept. 27, 28, 1936 (gage height, 1.02 feet); minimum daily, 22 second-feet (regulated) Sept. 27, 1936.

Remarks.— Flow regulated by mills above station. Figures of discharge and runoff include flow diverted from about 2.2 square miles in Squannacook River Basin to North Nashua River Basin for municipal supply of Fitchburg.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	46.7	88.5	94.6	231	145	1,289	444	137	81.5	42.9	49.5	47.2	226
1937	86.4	75.3	356	415	266	250	394	304	198	88.4	58.2	69.8	213
1938	74.9	348	298	356	294	220	231	185	200	392	286	595	230
1939	192	207	346	284	241	368	559	180	109	51.1	43.8	39.4	214
1940	45.2	63.0	66.9	74.3	88.8	190	775	351	234	84.1	47.9	49.6	172
1941	47.3	105	138	146	225	172	188	120	72.7	49.5	38.1	42.6	111
1942	39.4	54.9	74.5	110	109	509	205	114	185	124	66.1	55.8	137
1943	61.6	137	214	166	268	410	278	404	131	57.3	57.8	38.2	185
1944	82.0	190	105	73.6	106	265	366	137	393	104	56.0	112	165
1945	71.3	97.6	164	177	202	533	260	372	238	132	97.0	64.7	201

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	0.50	0.92	1.02	2.49	1.47	13.83	4.83	1.48	0.85	0.46	0.53	0.49	28.67
1937	.93	.79	3.84	4.47	2.59	2.70	4.00	3.27	2.06	.95	.63	.73	26.96
1938	.81	3.63	3.22	3.84	2.86	2.48	2.41	1.99	2.09	4.22	3.08	6.20	36.83
1939	2.06	2.15	3.72	2.53	2.34	3.97	5.82	1.94	1.14	.55	.47	.41	27.10
1940	.49	.66	.72	.80	.89	2.05	8.08	3.79	2.44	.91	.52	.52	21.87
1941	.51	1.10	1.49	1.57	2.19	1.86	1.96	1.29	.76	.53	.41	.44	14.11
1942	.42	.57	.80	1.19	1.06	5.49	2.11	1.23	1.93	1.25	.71	.58	17.42
1943	.66	1.45	2.50	1.79	2.61	4.41	2.90	4.36	1.36	.62	.62	.40	25.46
1944	.88	1.99	1.13	.79	1.07	2.85	3.81	1.48	4.10	1.12	.60	1.17	20.96
1945	.77	1.02	1.76	1.91	1.97	5.75	2.71	4.01	2.48	1.43	1.05	.67	25.53

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year		
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches	
1935	801	-	-	-	-	-	-	-	-
1936	801	7,530	22	226	2.11	28.67	250	31.79	
1937	821	1,480	31	213	1.99	26.96	229	29.06	
1938	851	6,040	32	290	2.71	36.83	293	37.10	
1939	871	975	24	214	2.00	27.10	166	21.04	
1940	891	1,990	27	172	1.61	21.87	182	23.10	
1941	921	875	27	111	1.04	14.11	101	12.80	
1942	951	1,700	27	137	1.28	17.42	158	20.02	
1943	971	931	26	185	1.72	23.46	182	23.06	
1944	1001	4,650	30	165	1.54	20.96	161	20.52	
1945	1031	931	44	201	1.88	25.53	-	-	
1936-45	-	7,530	22	191	1.79	-	-	-	

NASHUA RIVER AT EAST PEPPERELL, MASS.

Location.-- Water-stage recorder, lat. 42°40'03", long. 71°34'32", 200 feet downstream from power plant of Nashua River Paper Co. at East Pepperell, Middlesex County. Datum of gage is 169.04 feet above mean sea level, datum of 1929.

Drainage area.-- Total above gage, 433 square miles; net above gage, 316 square miles (flow diverted from 117 square miles for use of Boston metropolitan district and city of Worcester). Prior to July 1, 1937, flow diverted from 118 square miles.

Records available.-- October 1935 to September 1945.

Extremes.-- 1935-45: Maximum discharge, 20,900 second-feet Mar. 20, 1936 (gage height 19.1 feet, from floodmarks), from rating curve extended above 12,000 second-feet on basis of velocity-area studies; minimum daily, 1.1 second-feet (regulated) Aug. 13, 1939.

Remarks.-- Flow regulated by power plant above station. Runoff in inches adjusted for water wasted in diverting drainage from basin of South Branch Nashua River for use of Boston metropolitan district and city of Worcester.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	140	265	265	768	389	3,930	1,674	466	253	151	130	164	719
1937	268	185	1,003	1,093	717	755	1,197	1,095	670	245	176	187	633
1938	217	729	1,049	820	1,006	746	723	556	540	1,366	966	1,671	863
1939	719	529	1,322	618	596	1,360	2,181	524	260	102	114	103	703
1940	96.5	190	180	208	252	528	2,329	972	696	250	154	125	496
1941	117	290	385	382	625	456	553	299	154	97.9	91.1	84.2	290
1942	91.1	137	206	317	336	1,560	627	390	449	326	164	144	397
1943	155	282	590	515	685	1,185	836	1,131	405	160	149	108	522
1944	230	527	299	197	300	705	1,067	425	932	284	150	302	454
1945	196	241	465	465	468	1,533	707	994	632	348	274	190	549

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	0.49	0.92	0.95	2.80	1.32	12.22	4.95	1.63	0.88	0.54	0.46	0.56	27.72
1937	.96	.64	3.66	3.99	2.35	2.89	3.59	3.44	2.32	.86	.62	.64	25.76
1938	.77	2.58	3.80	2.90	2.78	2.49	2.34	1.78	1.72	4.07	3.26	4.24	32.81
1939	2.02	1.73	3.46	1.94	1.94	4.07	6.15	1.89	.90	.35	.40	.34	25.19
1940	.33	.65	.64	.74	.84	1.91	8.20	3.53	2.42	.89	.54	.42	21.11
1941	.41	1.01	1.39	1.38	2.05	1.65	1.87	1.08	.53	.34	.21	.28	12.30
1942	.31	.46	.73	1.14	1.09	5.67	2.20	1.41	1.57	1.17	.58	.49	16.82
1943	.55	1.15	2.14	1.86	2.24	4.30	2.93	4.10	1.41	.64	.52	.36	22.20
1944	.83	1.85	1.08	.70	1.01	2.55	3.75	1.53	3.45	1.02	.52	1.05	19.34
1945	.70	.64	1.76	1.76	1.60	5.58	2.48	3.61	2.21	1.25	.98	.65	23.42

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year		
		Observed			Adjusted			Observed		Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches	
1936	801	19,400	9.5	719	641	2.03	27.72	786	30.62	
1937	821	2,620	8.4	633	598	1.90	25.76	677	27.63	
1938	851	9,790	8.8	863	763	2.41	32.81	912	32.89	
1939	871	2,970	1.1	703	587	1.86	25.19	525	19.60	
1940	891	3,670	5.6	496	490	1.55	21.11	523	22.30	
1941	921	1,840	7.1	290	286	.905	12.30	260	10.99	
1942	951	3,680	6.2	397	392	1.24	16.82	451	19.16	
1943	971	2,220	10	522	517	1.64	22.20	520	22.12	
1944	1001	6,840	7.2	454	449	1.42	19.34	443	18.88	
1945	1031	2,500	11	549	545	1.72	23.42	-	-	
1936 - 45	-	19,400	1.1	563	527	1.67	-	-	-	

SOUTH BRANCH NASHUA RIVER AT CLINTON, MASS.

Location.-- Venturi meter, lat. 42°24'15", long. 71°41'25", at Wachusett Dam, 1 mile south of Clinton, Worcester County.

Drainage area.-- 107.69 square miles since July 1937. 108.84 square miles from January 1914 to June 1937; 118.19 square miles from January 1908 to December 1913; 119.00 square miles from October 1896 to December 1907.

Records available.-- July 1896 to September 1945.

Remarks.-- Flow regulated by Wachusett Reservoir and several ponds. Records adjusted for change in contents of ponds (since January 1897), for change in contents and wastage from Wachusett Reservoir (since beginning of construction in 1903), for diversions from Ware River (since March 1931) and from Quabbin Reservoir on Swift River (since August 1939). Entire flow, except wastage, diverted for use of Boston metropolitan district.

Cooperation.-- Records furnished by water division of Metropolitan District Commission.

Monthly and annual mean discharge, in second-feet (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1896	-	-	-	-	-	-	-	-	-	61.8	55.6	84.1	-
1897	146	168	172	147	171	508	300	214	217	286	165	70.0	213
1898	44.9	236	419	288	301	569	374	256	153	61.2	244	124	256
1899	278	400	380	385	201	511	622	159	103	65.2	42.4	46.1	266
1900	45.1	79.1	66.0	147	747	686	291	255	106	40.0	36.2	23.4	207
1901	52.0	161	289	95.6	65.6	500	918	502	181	87.8	94.2	58.9	251
1902	119	95.1	595	318	250	729	397	200	91.5	60.4	58.0	48.0	245
1903	156	124	321	233	393	630	412	105	392	115	87.3	69.0	255
1904	127	117	176	121	171	554	549	278	140	91.5	65.3	91.0	206
1905	64.0	63.1	80.9	233	83.3	553	298	81.9	99.7	67.2	59.1	226	159
1906	67.5	81.4	187	208	189	342	388	282	218	134	109	51.0	188
1907	97.6	138	146	269	127	313	264	178	142	61.6	16.0	149	158
1908	254	468	361	318	317	401	232	259	73.7	40.3	81.0	16.0	235
1909	28.9	22.9	70.8	108	467	389	443	222	116	42.6	35.4	38.0	162
1910	16.4	66.4	98.2	338	337	483	189	111	151	11.3	34.0	26.5	154
1911	12.5	64.8	71.5	141	114	245	255	84.2	64.2	10.3	34.4	33.2	93.9
1912	131	189	195	143	170	518	417	329	60.5	24.6	22.9	16.3	185
1913	26.5	80.7	145	259	159	414	381	190	51.2	3.50	10.9	40.0	146
1914	124	121	175	167	199	528	437	286	53.4	55.5	42.9	-1.98	162
1915	22.9	35.5	62.7	347	330	96.3	156	76.6	38.4	182	279	26.6	137
1916	65.1	83.8	228	222	306	318	556	286	346	183	47.8	49.4	223
1917	23.6	54.0	77.4	116	154	416	247	222	207	44.5	52.1	14.1	135
1918	98.4	52.7	61.5	81.6	341	436	271	113	88.0	47.1	26.8	102	141
1919	57.5	98.0	176	226	134	531	288	371	77.8	67.3	44.1	184	188
1920	83.4	309	216	109	122	789	588	349	324	136	55.1	90.9	264
1921	69.0	219	426	238	180	423	325	349	80.8	172	41.3	19.2	213
1922	26.7	133	214	99.9	170	563	401	331	374	252	134	87.0	233
1923	73.0	89.0	91.2	297	169	517	512	221	104	50.0	24.9	15.5	180
1924	72.3	164	289	316	134	286	708	332	75.6	22.1	42.4	53.9	208
1925	10.8	46.4	64.3	53.1	264	378	242	119	66.7	39.4	32.7	58.2	114
1926	73.6	134	277	160	140	318	406	139	68.2	43.5	42.4	33.8	153
1927	65.2	147	110	206	187	393	163	153	72.4	94.1	271	204	172
1928	186	441	430	251	304	216	359	278	249	154	111	109	265
1929	67.0	75.8	111	202	241	464	483	364	99.5	25.0	11.9	26.5	181
1930	40.3	61.5	69.8	109	146	203	161	98.1	75.4	76.3	37.6	39.6	92.7
1931	61.8	79.1	61.4	83.2	115	429	390	213	301	65.5	102	50.4	162
1932	46.0	52.2	114	285	192	304	413	119	57.1	36.1	47.5	85.9	146
1933	256	389	181	219	257	442	813	183	72.4	37.9	53.2	295	265
1934	138	101	151	255	137	477	596	285	160	54.4	26.2	187	210
1935	132	171	204	379	244	465	587	188	225	84.1	54.7	66.1	215
1936	33.3	107	79.9	312	143	1,193	437	212	89.2	51.0	60.0	56.9	232
1937	97.8	69.1	384	400	263	263	392	295	166	55.0	66.8	65.7	210
1938	89.8	386	293	330	353	287	258	190	227	407	144	566	293
1939	179	172	411	217	256	461	606	174	109	50.6	54.5	38.3	227
1940	54.6	78.5	101	121	127	262	884	323	177	92.1	34.2	45.9	191
1941	32.1	138	167	132	199	190	227	116	87.4	51.1	50.6	-1.98	113
1942	-51.9	50.9	79.3	136	118	591	210	153	172	125	82.2	53.7	142
1943	74.1	162	233	165	266	446	393	378	127	72.3	-25.5	17.8	184
1944	86.1	189	91.1	64.4	119	283	351	148	197	9.47	10.9	52.0	133
1945	54.9	119	171	185	191	536	270	363	233	81.5	98.0	21.3	194

Note.-- Negative figures indicate that evaporation and seepage from reservoir exceeded inflow.

Monthly and annual runoff, in inches (adjusted), of South Branch Nashua River at Clinton, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1896	-	-	-	-	-	-	-	-	-	0.80	0.54	0.79	
1897	1.42	1.57	1.67	1.42	1.50	4.92	2.82	2.08	2.04	2.57	1.60	.66	24.27
1898	.43	2.21	4.06	2.79	2.64	5.51	3.50	2.48	1.42	.59	2.26	1.17	29.17
1899	2.69	3.75	3.68	3.73	1.76	4.95	5.83	1.54	.97	.63	.42	.43	30.38
1900	.44	.74	.64	1.42	6.53	6.64	2.73	2.47	1.00	.39	.35	.22	23.57
1901	.50	1.51	2.80	.93	.57	4.85	8.60	4.87	1.70	.65	.91	.55	28.64
1902	1.15	.89	1.77	2.99	2.26	7.12	3.73	1.84	.71	.52	.53	.42	27.93
1903	1.70	1.10	3.30	2.26	3.44	6.11	3.86	1.02	3.68	1.11	.85	.65	29.08
1904	1.23	1.10	1.70	1.18	1.55	5.26	5.15	2.67	1.32	.89	.63	.85	28.63
1905	.62	.59	.78	2.26	.73	5.36	2.79	.79	.94	.65	.57	2.12	16.20
1906	.65	.76	1.82	2.02	1.65	3.32	3.64	2.73	2.04	1.30	1.05	.48	21.46
1907	.95	1.29	1.42	2.60	1.11	3.03	2.48	1.72	1.33	.60	.16	1.40	18.09
1908	2.47	4.38	3.50	3.10	2.90	3.91	2.19	2.52	.70	.39	.79	.15	27.00
1909	.28	.22	.69	1.06	4.12	3.80	4.18	2.16	1.09	.42	.35	.36	18.73
1910	.16	.63	.96	3.29	2.97	4.71	1.78	1.09	1.42	.11	.33	.25	17.70
1911	.12	.61	.70	1.38	1.01	2.39	2.40	.82	.61	.10	.34	.31	10.79
1912	1.28	1.79	1.90	1.39	1.55	5.05	3.94	3.21	.57	.24	.22	.15	21.29
1913	.26	.76	1.41	2.52	1.40	4.04	3.60	1.85	.46	.05	.11	.38	16.84
1914	1.21	1.14	1.70	1.77	1.90	5.30	4.48	3.03	.55	.59	.47	-.02	22.42
1915	.24	.36	.66	3.68	3.16	1.02	1.60	.81	.39	1.93	2.96	.27	17.08
1916	.69	.86	2.42	2.35	3.03	3.37	5.70	3.03	3.55	1.94	.51	.51	27.96
1917	.25	.55	.82	1.22	1.48	4.41	2.53	2.35	2.12	.47	.55	.14	16.89
1918	.99	.54	.69	.86	3.26	4.61	2.78	1.20	.90	.50	.28	1.04	17.65
1919	.61	1.00	1.88	2.39	1.28	5.62	2.95	3.93	.80	.71	.47	1.89	23.53
1920	.88	3.17	2.31	1.15	1.21	8.36	6.03	3.69	3.32	1.44	.58	.93	35.07
1921	.73	2.25	4.62	2.52	1.72	4.48	3.33	3.70	.83	1.82	.44	.20	26.64
1922	.28	1.37	2.27	1.06	1.62	5.96	4.11	3.51	3.84	2.67	1.42	.89	29.00
1923	.77	.91	.99	3.15	1.62	5.48	5.24	2.34	1.06	.53	.26	.16	22.51
1924	.77	1.68	3.06	3.35	1.33	3.03	7.26	3.52	.77	.23	.45	.55	26.00
1925	.11	.48	.70	.56	2.52	4.00	2.48	1.26	.68	.42	.35	.60	14.16
1926	.78	1.38	2.90	1.70	1.34	3.37	4.16	1.47	.70	.46	.45	.35	19.06
1927	.69	1.51	1.16	2.18	1.75	4.17	1.67	1.62	.74	1.00	2.88	2.09	21.49
1928	1.97	4.52	4.55	2.66	3.01	2.29	3.68	2.95	3.58	1.63	1.18	1.12	33.14
1929	.71	.78	1.20	2.14	2.31	4.91	4.95	3.85	1.02	.26	.13	.27	22.53
1930	.43	.63	.74	1.16	1.40	2.15	1.65	1.04	.77	.81	.40	.41	11.59
1931	.65	.81	.66	.88	1.10	4.54	4.00	2.26	3.09	.69	1.08	.52	20.28
1932	.49	.55	1.21	3.02	1.91	3.22	4.23	1.26	.58	.38	.50	.88	18.23
1933	2.71	3.99	1.92	2.32	2.45	4.68	8.34	1.94	.74	.40	.56	3.02	32.07
1934	1.46	1.03	1.39	2.70	1.32	5.05	6.11	3.02	1.64	.58	.25	1.61	26.16
1935	1.40	1.76	2.18	4.01	2.33	4.93	3.97	2.00	2.31	.69	.37	.68	26.63
1936	.35	1.09	.85	3.30	1.41	12.68	4.47	2.25	.91	.54	.64	.58	29.07
1937	1.04	.71	4.07	4.24	2.51	2.78	4.03	3.12	1.71	.59	.71	.68	26.19
1938	.96	3.99	3.17	3.54	3.42	3.07	2.68	2.04	2.34	4.36	1.54	5.87	36.98
1939	1.92	1.78	4.40	2.32	2.48	4.93	6.28	1.87	1.13	.54	.58	.40	28.63
1940	.58	.81	1.09	1.29	1.27	2.80	9.16	3.46	1.84	1.00	.36	.48	24.14
1941	.34	1.43	1.79	1.41	1.92	2.03	2.35	1.24	.70	.55	.54	-.02	14.28
1942	-.56	.53	.85	1.45	1.14	6.32	2.18	1.64	1.78	1.23	.73	.56	17.95
1943	.79	1.68	2.53	1.76	2.58	4.77	3.04	4.04	1.32	.77	-.27	.18	23.19
1944	.94	1.95	.99	.69	1.19	3.03	3.63	1.56	2.05	.10	.12	.54	16.61
1945	.59	1.24	1.83	1.98	1.85	5.73	2.80	3.89	2.41	.87	1.05	.22	24.46

Note.- Negative figures indicate that evaporation and seepage from reservoir exceeded inflow.

Annual discharge, in second-feet (adjusted), of South Branch Nashua River at Clinton, Mass.

Year	W.S.P.	Water year ending Sept. 30			Calendar year	
		Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1896	415	-	-	-	-	-
1897	415	213	1.79	24.27	230	26.31
1898	415	256	2.15	29.17	288	32.59
1899	415	266	2.24	30.38	194	22.08
1900	415	207	1.74	28.57	233	26.56
1901	415	251	2.11	28.64	277	31.64
1902	415	245	2.06	27.93	280	26.22
1903	415	255	2.14	29.08	287	27.01
1904	415	206	1.74	23.63	189	21.59
1905	415	159	1.34	18.20	170	19.44
1906	415	188	1.58	21.46	192	21.89
1907	415	158	1.33	18.09	217	24.78
1908	415	235	1.99	27.00	155	17.84
1909	415	163	1.38	18.73	168	19.29
1910	415	154	1.30	17.70	151	17.38
1911	415	83.9	.795	10.79	125	14.33
1912	415	185	1.56	21.29	163	18.75
1913	415	146	1.24	16.84	161	18.46
1914	415	182	1.65	22.42	157	19.63
1915	415	137	1.26	17.08	159	19.79
1916	431	223	2.05	27.96	205	25.61
1917	451	135	1.24	16.89	140	17.49
1918	471	141	1.30	17.65	152	18.92
1919	501	188	1.73	23.53	212	26.40
1920	501	264	2.43	33.07	274	34.31
1921	521	213	1.96	26.64	184	22.96
1922	541	233	2.14	29.00	223	27.75
1923	561	180	1.66	22.51	203	25.35
1924	581	208	1.91	26.00	174	21.78
1925	601	114	1.04	14.16	144	17.93
1926	621	153	1.40	19.06	139	17.36
1927	641	172	1.58	21.49	234	29.17
1928	661, 1051	265	2.43	33.14	198	24.79
1929	681	181	1.66	22.53	174	21.64
1930	698	92.7	.852	11.59	95.4	11.91
1931	711	163	1.49	20.28	164	20.41
1932	726	146	1.34	18.23	197	24.60
1933	741	265	2.44	33.07	227	28.55
1934	756	210	1.93	26.15	221	27.61
1935	781	215	1.98	26.63	191	23.78
1936	801	232	2.13	29.07	260	32.60
1937	821	210	1.93	26.19	228	28.49
1938	851	293	2.72	36.98	293	36.96
1939	871	227	2.10	28.63	182	23.01
1940	891	191	1.77	24.14	200	25.22
1941	921	113	1.05	14.28	91.5	11.54
1942	951	142	1.32	17.95	176	22.13
1943	971	194	1.71	23.19	175	22.07
1944	1001	133	1.23	16.81	131	16.59
1945	1031	194	1.80	24.46	-	-
1897-45	-	184	1.71	-	-	-

ASSABET RIVER AT MAYNARD, MASS.

Location.- Water-stage recorder, lat. 42°25'55", long. 71°27'01", at Maynard, Middlesex County, 150 feet upstream from bridge on State Highway 27, 1.7 miles downstream from Assabet Brook, and 7.1 miles upstream from confluence with Sudbury River.

Drainage area.- 116 square miles.

Records available.- July 1941 to September 1945.

Extremes.- 1941-45: Maximum discharge, 960 second-feet Mar. 19, 1942 (gage height, 5.00 feet); minimum daily, 8.5 second-feet (regulated) Aug. 17, 1941.

Remarks.- Flow regulated by mills above station.

Monthly and annual discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1941	-	-	-	-	-	-	-	-	-	-	18.2	19.4	-
1942	16.0	33.4	46.2	74.5	127	472	226	119	92.6	91.8	73.3	42.9	119
1943	44.6	114	233	197	247	443	243	326	128	40.2	39.5	22.7	173
1944	49.0	121	67.8	54.9	96.1	232	333	148	116	44.7	25.1	47.8	112
1945	30.9	69.5	173	167	131	548	228	329	229	118	68.2	45.2	179

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1941	-	-	-	-	-	-	-	-	-	-	0.18	0.19	-
1942	0.16	0.32	0.46	0.74	1.23	4.69	2.17	1.18	0.89	0.91	.73	.41	13.89
1943	.45	1.09	2.32	1.95	2.22	4.40	2.34	3.24	1.24	.40	.39	.22	20.26
1944	.49	1.26	.67	.55	.89	2.20	3.21	1.47	1.12	.44	.25	.46	13.11
1945	.81	.67	1.72	1.66	1.16	5.44	2.19	3.27	2.20	1.17	.68	.43	20.92

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1941	951	-	-	-	-	-	-	-
1942	951	900	5	119	1.03	13.89	144	16.81
1943	971	825	9.5	173	1.49	20.26	161	18.82
1944	1001	616	11	112	.966	13.11	114	13.29
1945	1021	908	13	179	1.54	20.92	-	-
1942-45	-	906	5	146	1.26	-	-	-

HYDROLOGY OF MASSACHUSETTS

CONCORD RIVER AT LOWELL, MASS.

Location.-- Staff gages, lat. 42°37'40", long. 71°17'55", 0.4 mile upstream from River Meadow Brook, near Lawrence Street Bridge at Lowell, Middlesex County.

Drainage area.-- Total above gage, 381 square miles (382 square miles prior to July 1909); net above gage, 285 square miles (flow diverted from 94.1 square miles prior to July 1909, from 93.0 square miles July 1909 to December 1910, and from 92.8 square miles January 1911 to September 1916.

Records available.-- January 1901 to September 1916.

Remarks.-- Discharge is summation of flow over dam and through water wheels. No records obtained for Sundays or holidays. Flow regulated by mills above station. Discharge includes water wasted in diverting drainage from basins of Sudbury River and Lake Cochituate for use of Boston metropolitan district.

Cooperation.-- Records furnished by Arthur T. Safford, hydraulic engineer, for the owners of the water power taken from Wamesit Canal.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1901	-	-	-	295	199	907	1,878	1,444	761	256	308	255	-
1902	318	317	797.	951	509	2,147	1,002	448	238	160	199	182	608
1903	333	363	652	774	971	1,456	1,256	336	880	554	255	177	665
1904	274	301	323	235	263	982	1,038	1,085	309	226	230	234	459
1905	226	242	134	545	236	854	817	301	268	165	149	560	375
1906	251	246	396	547	474	1,011	1,252	456	636	364	322	138	507
1907	174	343	278	689	352	717	675	402	350	176	77.4	225	371
1908	500	873	901	1,091	742	1,092	760	535	296	111	201	92.1	600
1909	77.7	205	218	249	804	826	829	618	342	116	80.0	103	369
1910	156	208	269	624	727	1,391	446	360	343	150	88.3	55.6	399
1911	57.6	200	192	280	298	493	671	263	205	37.7	116	126	244
1912	223	364	480	384	453	1,392	1,242	739	401	156	138	115	507
1913	124	275	329	680	406	875	1,180	523	376	104	92.5	146	426
1914	264	355	427	406	676	1,185	1,098	847	233	194	169	119	496
1915	85.7	155	216	758	857	543	291	248	107	479	647	215	382
1916	259	274	439	512	560	734	1,406	915	751	371	246	204	554

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1901	415	-	-	-	-	-	646	-
1902	415	4,148	74	608	-	-	601	-
1903	415	2,521	136	665	-	-	627	-
1904	415	2,861	27	459	-	-	424	-
1905	415	2,027	57	375	-	-	399	-
1906	415	1,746	27	507	-	-	499	-
1907	415	1,481	11	371	-	-	495	-
1908	415	1,436	25	600	-	-	451	-
1909	415	1,809	23	369	-	-	380	-
1910	415	2,577	25	399	-	-	385	-
1911	415	928	c15	244	-	-	296	-
1912	415	2,399	c69	507	-	-	479	-
1913	415	1,603	18	426	-	-	451	-
1914	415	2,411	61	496	-	-	447	-
1915	415	1,482	56	382	-	-	430	-
1916	431	-	-	554	-	-	-	-
1902-16	-	4,148	11	464	-	-	-	-

c Corrected.

CONCORD RIVER BELOW RIVER MEADOW BROOK, AT LOWELL, MASS.

Location.- Water-stage recorder, lat. 42°38'12", long. 71°18'09", at Lowell, Middlesex County, 300 feet downstream from Rogers Street Bridge, 0.3 mile downstream from River Meadow Brook and 0.8 mile upstream from mouth. Datum of gage is 67.41 feet above mean sea level, datum of 1929.

Drainage area.- Total above gage, 405 square miles; net above gage, 312 square miles (flow diverted from 92.6 square miles for use of Boston metropolitan district).

Records available.- December 1936 to September 1945.

Extremes.- 1936-45: Maximum discharge, 3,790 second-feet July 29, 1938 (gage height, 8.11 feet); minimum, 11 second-feet (regulated) Dec. 24, 1941; minimum daily, 15 second-feet (regulated) Oct. 5, 1941.

Remarks.- Monthly and yearly records adjusted for wastage by Boston metropolitan district from 92.6 square miles in basins of Sudbury River and Lake Cochituate, and since October 1942 for water diverted above station for use of city of Lowell. Flow regulated by mills above station.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1937	-	-	-	1,136	934	991	993	945	545	211	106	167	-
1938	177	460	1,137	908	1,381	874	790	567	532	1,512	1,208	1,151	889
1939	835	553	1,080	542	653	1,448	1,985	638	255	124	131	91.2	695
1940	90.1	290	280	273	318	901	2,189	971	600	304	107	100	529
1941	105	464	495	516	769	633	698	283	160	91.7	66.2	55.5	358
1942	38.3	114	158	245	437	1,491	876	380	284	234	278	109	387
1943	135	325	808	705	756	1,384	778	965	477	127	136	76.9	556
1944	139	410	232	181	355	714	1,040	591	298	236	90.1	196	272
1945	131	253	704	569	434	1,668	729	964	631	394	200	125	569

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1937	-	-	-	3.24	2.29	2.70	2.79	2.88	1.54	0.65	0.33	0.44	-
1938	0.53	1.25	3.26	2.35	3.60	2.51	2.43	1.70	1.35	3.71	3.90	3.11	29.70
1939	2.74	1.63	3.15	1.58	1.56	3.82	5.51	2.10	.79	1.40	.32	.27	23.87
1940	.31	.87	.78	.82	.78	2.67	6.47	3.05	1.80	.95	.37	.52	19.19
1941	.33	1.32	1.46	1.62	1.95	1.84	2.08	.94	.52	.31	.20	.18	12.75
1942	.13	.38	.50	.79	1.26	4.47	2.72	1.23	.93	.75	.88	.35	14.40
1943	.44	.93	2.34	2.14	2.05	4.25	2.44	2.99	1.51	.42	.46	.25	20.22
1944	.46	1.33	.79	.63	1.11	2.24	2.89	1.95	.89	.78	.32	.65	14.25
1945	.46	.79	2.15	1.70	.87	5.15	2.25	2.38	1.82	1.22	.64	.39	20.37

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1937	821	-	-	-	-	-	-	649	21.90
1938	851	3,710	23	889	683	2.19	29.70	948	32.18
1939	871	2,320	23	695	549	1.76	23.87	537	18.31
1940	891	2,500	29	529	440	1.41	19.19	567	20.24
1941	921	1,120	16	358	293	.939	12.75	295	10.65
1942	951	2,200	15	387	331	1.06	14.40	468	17.08
1943	971	1,900	22	556	465	1.49	20.22	514	19.09
1944	1001	1,290	24	372	327	1.05	14.25	399	15.07
1945	1031	2,260	57	569	468	1.50	20.37	-	-
1938-45	-	3,710	15	544	444	1.42	-	-	-

SUDBURY RIVER AT FRAMINGHAM CENTER, MASS.

Location.—Venturi meter, lat. 42°17'30", long. 71°26'40", at dam of Framingham Reservoir No. 1, half a mile upstream from outlet of Farm Pond and three-quarters of a mile southwest of Framingham Center, Middlesex County.

Drainage area.—75.2 square miles since January 1881. 78.2 square miles from January 1879 to December 1880; 77.8 square miles from January 1875 to December 1878.

Records available.—January 1875 to September 1945.

Remarks.—Records adjusted for change in reservoir contents, diversions, and wastage. Entire flow, except wastage, diverted for use of Boston metropolitan district. Flow from Wachusett Reservoir on South Branch Nashua River is diverted into Sudbury Reservoir.

Cooperation.—Records furnished by water division of Metropolitan District Commission.

Monthly and annual mean discharge, in second-feet (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1875	-	-	-	12.4	180	193	367	143	105	38.7	47.6	25.0	-
1876	77.8	157	70.3	77.4	165	534	396	137	26.7	22.0	48.8	22.2	145
1877	28.1	131	54.6	79.3	114	579	288	168	71.9	24.3	14.5	7.16	130
1878	76.0	171	155	218	297	422	196	168	60.8	15.5	57.5	19.4	154
1879	62.2	204	282	84.7	207	282	377	135	50.0	19.0	47.8	17.0	157
1880	8.52	24.9	56.0	136	216	166	141	62.2	21.2	21.3	14.4	9.70	72.6
1881	12.3	24.9	21.2	48.3	180	466	180	112	156	32.2	17.2	22.9	106
1882	21.6	45.9	90.2	144	280	330	101	150	61.5	10.0	6.47	35.6	106
1883	34.8	24.4	36.6	39.0	120	187	157	109	34.9	13.4	9.17	10.6	64.4
1884	21.7	25.8	22.5	116	331	440	332	120	48.4	26.0	29.9	5.11	125
1885	9.70	20.4	108	144	158	183	211	155	49.6	7.22	28.0	14.1	90.2
1886	39.0	137	137	170	559	240	227	83.8	23.6	13.5	11.0	13.7	135
1887	16.9	78.3	119	301	329	334	305	117	48.1	13.4	24.9	12.9	140
1888	22.1	42.9	74.8	123	226	377	308	190	49.0	13.7	44.1	134	133
1889	233	321	354	324	139	156	164	102	76.0	73.7	167	95.8	184
1890	143	226	261	146	178	424	218	159	66.0	12.5	15.3	53.2	159
1891	264	141	116	351	406	518	279	67.8	48.1	17.4	19.0	23.6	186
1892	24.4	35.5	63.3	218	110	227	101	146	49.8	24.9	32.6	26.7	88.6
1893	14.7	81.1	56.4	50.5	179	378	247	335	51.1	18.2	21.1	12.6	118
1894	25.8	37.1	94.2	80.6	115	260	191	97.7	48.7	18.7	24.4	17.4	84.1
1895	43.5	97.2	83.3	120	62.9	280	293	74.0	20.2	26.8	26.6	10.4	95.1
1896	160	523	207	126	311	446	174	41.9	46.4	11.1	6.62	45.1	158
1897	68.9	76.7	76.5	98.3	124	298	176	106	112	76.6	68.7	21.2	109
1898	10.9	106	184	191	352	303	213	145	61.7	26.8	129	42.9	146
1899	135	231	209	266	161	489	293	59.4	7.67	2.26	-4.06	10.9	155
1900	13.5	35.6	25.6	92.4	442	425	157	153	36.8	-2.11	-3.91	7.60	113
1901	21.6	77.2	128	50.8	34.9	321	489	344	87.6	35.6	49.3	35.5	140
1902	47.9	55.2	31.4	205	195	439	219	86.4	55.3	7.60	15.7	20.8	141
1903	58.8	51.7	207	202	285	402	233	40.8	231	51.8	35.7	15.1	151
1904	57.2	42.2	67.8	55.5	103	349	383	203	48.7	7.20	19.7	46.2	115
1905	22.2	33.6	31.3	164	38.4	291	191	34.6	54.4	20.6	13.3	145	86.8
1906	18.4	32.4	103	131	121	280	227	123	82.2	46.3	21.0	2.26	99.0
1907	35.1	56.2	76.6	157	72.6	183	187	103	88.6	1.02	-12.1	62.9	85.1
1908	86.2	232	236	224	179	263	130	122	22.6	-1.64	11.8	-9.52	125
1909	5.44	8.25	15.8	45.7	266	202	200	117	27.9	-14.1	-5.20	17.3	72.4
1910	-5.97	9.57	30.6	173	215	227	77.6	32.3	60.1	-11.9	-8.46	.57	65.8
1911	-5.90	20.5	25.7	60.3	81.5	133	166	27.0	24.8	-1.66	2.37	8.79	45.7
1912	34.4	69.0	106	84.7	139	360	260	168	17.2	-8.92	-3.43	-2.31	102
1913	-1.60	19.2	57.5	121	87.7	243	260	101	17.3	-7.25	-6.23	10.2	75.0
1914	56.3	55.8	85.1	106	117	352	274	180	.53	12.4	18.1	-15.8	104
1915	-6.86	11.3	29.1	190	218	69.0	68.6	29.7	11.8	122	136	4.47	72.8
1916	26.9	30.4	105	110	158	212	353	167	139	68.1	9.06	3.00	115
1917	-6.1	12.8	36.6	59.3	87.8	257	163	172	121	4.97	23.5	6.78	78.7
1918	56.1	51.0	44.3	31.7	210	254	171	74.4	21.5	11.2	-6.28	74.2	81.7
1919	32.0	56.8	109	152	107	321	199	150	13.1	34.8	10.7	82.9	106
1920	32.5	148	127	26.3	86.4	604	338	215	197	33.0	-4.59	7.42	152
1921	-3.03	77.8	140	114	98.3	264	133	193	19.9	11.9	6.85	-6.70	96.7
1922	-11.4	77.6	89.2	37.6	95.0	299	227	204	182	84.0	40.9	76.5	117
1923	31.7	46.1	47.6	181	109	369	283	137	45.0	7.75	-8.45	-6.69	103
1924	46.1	133	256	209	82.2	226	255	163	52.7	-6.10	13.5	47.6	130
1925	.75	19.3	31.9	21.6	216	254	173	67.6	25.2	27.9	6.67	4.60	69.6
1926	40.8	67.5	217	100	115	317	224	83.8	12.1	-7.94	27.1	-12.2	98.8
1927	13.2	93.4	78.0	151	170	239	80.5	89.3	25.0	15.1	110	152	101
1928	151	468	322	152	191	148	204	165	184	142	64.0	69.2	188
1929	61.4	68.6	97.8	153	176	310	342	209	26.5	-12.9	-6.82	-2.91	118
1930	6.33	29.6	41.1	72.6	109	169	115	47.1	5.22	-2.71	-9.61	-21.1	46.4
1931	3.41	58.0	16.4	54.2	119	402	226	138	229	36.3	15.0	-11.9	107
1932	-3.14	5.04	34.7	120	96.5	214	211	53.4	10.9	-11.4	3.85	147	76.1
1933	200	339	110	127	111	302	243	13.8	11.8	-11.6	-8.93	155	135
1934	62.2	46.7	70.7	198	54.2	312	318	149	53.3	-3.98	-3.78	95.1	113
1935	87.4	70.4	96.0	218	164	318	374	104	127	11.2	-9.82	12.6	125
1936	-11.9	50.6	43.4	186	95.1	753	270	94.5	22.0	-11.0	1.38	28.1	127
1937	40.5	34.4	324	263	172	197	213	159	92.7	20.9	14.6	19.7	130
1938	41.2	157	222	214	196	165	137	108	153	40.1	133	265	183
1939	111	103	226	103	188	275	253	76.9	22.7	-10.3	-2.12	-1.91	120
1940	20.7	37.6	43.6	60.0	61.3	255	462	181	94.4	55.2	-17.3	-2.02	104
1941	-10.5	113	113	85.7	158	157	119	41.0	19.1	-5.80	-27.4	-28.3	60.4
1942	-24.4	1.71	21.6	51.5	86.2	354	132	53.4	12.8	40.2	11.5	-10.7	60.9
1943	12.4	77.6	225	116	170	273	135	196	28.6	-5.18	-19.2	-2.52	98.4
1944	18.3	64.0	16.8	19.8	42.5	140	199	36.8	28.0	-25.8	-39.0	11.2	42.0
1945	-10.4	55.6	117	113	118	354	126	205	147	53.4	22.2	7.05	109

Note.—Negative figures indicate that evaporation and seepage from reservoirs exceeded inflow.

Monthly and annual runoff, in inches (adjusted), of Sudbury River at Framingham Center, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1875	-	-	-	0.18	2.41	2.86	5.27	2.12	1.50	0.57	0.71	0.36	-
1876	1.15	2.25	1.04	1.15	2.28	7.91	5.68	2.03	.88	.33	.72	.32	25.24
1877	.42	1.68	.81	1.17	1.53	8.59	4.13	2.48	1.03	.36	.22	.10	22.72
1878	1.13	2.45	2.30	3.23	3.97	6.26	2.81	2.49	.87	.23	.85	.28	26.87
1879	.92	2.92	5.67	1.25	2.78	4.16	5.38	1.99	.71	.28	.70	.24	26.98
1880	.13	.35	.83	2.00	2.98	2.45	2.02	.92	.50	.31	.21	.14	12.64
1881	.18	.35	.31	.74	2.49	7.14	2.67	1.72	2.31	.49	.26	.34	19.00
1882	.53	.68	1.38	2.21	3.97	5.06	1.50	2.30	.91	.15	.10	.53	19.02
1883	.53	.36	.56	.60	1.66	2.87	2.33	1.67	.52	.21	.14	.16	11.61
1884	.53	.35	.54	1.78	4.74	6.75	4.95	1.84	.72	.40	.46	.06	22.72
1885	.15	.30	1.65	2.20	2.18	2.81	3.13	2.38	.74	.11	.43	.21	16.29
1886	.60	2.03	2.09	2.61	7.73	3.67	3.36	1.28	.35	.21	.17	.20	24.30
1887	.26	1.16	1.82	4.62	4.56	5.12	4.52	1.80	.71	.21	.38	.19	25.35
1888	.54	.64	1.15	1.88	3.25	5.78	4.57	2.91	.73	.21	.68	1.99	24.13
1889	3.57	4.76	5.43	4.96	1.93	2.39	2.44	1.57	1.13	1.13	2.56	1.42	33.29
1890	2.19	3.35	4.00	2.24	2.46	6.50	3.24	2.44	.98	.19	.24	.79	28.62
1891	4.05	2.10	1.78	5.28	5.61	7.95	4.14	1.04	.71	.27	.29	.35	33.67
1892	.37	.53	.97	3.34	1.57	2.49	1.50	2.24	.74	.38	.50	.40	16.03
1893	.22	1.20	.86	.77	2.48	5.79	3.67	5.14	.76	.28	.32	.19	21.68
1894	.40	.55	1.44	1.24	1.60	3.99	2.83	1.50	.72	.29	.37	.26	15.19
1895	.67	1.44	1.28	1.84	.87	4.30	4.34	1.13	.30	.41	.41	.15	17.14
1896	2.46	4.79	3.18	1.93	4.47	6.84	2.58	.64	.69	.17	.10	.67	28.52
1897	1.06	1.14	1.17	1.51	1.72	4.58	2.62	1.63	1.66	1.17	1.05	.31	19.62
1898	.17	1.57	2.83	2.92	4.87	4.65	3.16	2.22	.92	.41	1.97	.64	26.35
1899	2.07	3.43	3.21	4.08	2.22	7.50	4.35	.91	.11	.03	-.06	.16	28.01
1900	.21	.53	.39	1.42	6.12	6.52	2.33	2.34	.55	-.03	-.06	.11	20.43
1901	.53	1.15	1.96	.78	.48	4.91	7.26	5.27	1.30	.55	.76	.53	25.28
1902	.73	.82	4.81	3.15	2.70	7.49	3.25	1.32	.52	.12	.24	.31	25.46
1903	.90	.77	3.17	3.10	3.87	6.16	3.90	.62	3.43	.79	.55	.22	27.28
1904	.88	.63	1.04	.85	1.47	5.35	5.69	3.11	.72	.11	.30	.68	20.83
1905	.55	.50	.48	2.52	.53	4.46	2.84	.53	.81	.32	.20	2.15	15.69
1906	.28	.48	1.59	2.01	1.68	4.30	3.36	1.89	1.22	.71	.32	.03	17.86
1907	.54	.83	1.17	2.41	1.00	2.96	2.77	1.52	1.31	.02	-.19	-.23	15.43
1908	1.32	3.45	3.62	3.43	2.56	4.03	1.93	1.87	.74	-.03	.18	-.14	22.66
1909	.08	.12	.24	.70	3.68	3.09	2.97	1.79	.41	-.22	-.08	.26	13.04
1910	-.09	.14	.47	2.66	2.98	3.49	1.15	.49	.89	-.18	-.13	.008	11.88
1911	-.09	.30	.39	.93	1.13	2.04	2.46	.57	.37	-.03	.04	.13	8.24
1912	.53	1.02	1.62	1.30	2.00	5.52	3.86	2.58	.26	-.14	-.05	-.05	18.45
1913	-.02	.29	.88	1.86	1.21	3.73	3.85	1.55	.26	-.11	-.10	.15	13.55
1914	.96	.63	1.31	1.62	1.63	5.40	4.06	2.76	.008	.19	.28	-.23	16.72
1915	-.11	.17	.45	2.91	3.01	1.06	1.02	.45	.17	1.86	2.08	.07	13.14
1916	.41	.45	1.60	1.68	2.26	3.25	5.24	2.57	2.07	1.04	.14	.04	20.75
1917	-.009	.19	.56	.91	1.22	3.94	2.43	2.63	1.80	.08	.36	.10	14.21
1918	.86	.76	.68	.49	2.91	3.90	2.53	1.14	.32	.17	-.10	1.10	14.76
1919	.49	.84	1.67	2.33	1.48	4.92	2.96	2.30	.19	.53	.16	1.23	19.10
1920	.50	2.20	1.95	.56	1.24	9.26	5.02	3.29	2.93	.51	-.07	.11	27.50
1921	-.05	1.15	2.14	1.74	1.36	4.05	1.97	2.96	.30	1.82	.10	-.10	17.44
1922	-.17	1.15	1.37	.58	1.32	4.59	3.37	3.13	2.69	1.29	.63	1.14	21.09
1923	.49	.64	.73	2.78	1.51	5.66	4.20	2.10	.67	.12	-.13	-.10	18.67
1924	.71	1.97	3.92	3.20	1.19	3.46	5.27	2.50	.48	-.09	.21	.71	23.53
1925	.01	.29	.49	.33	2.98	3.89	2.57	1.04	.37	.43	.10	.07	12.57
1926	.63	1.00	3.33	1.54	1.60	4.86	3.32	1.28	.18	-.12	.41	-.20	17.83
1927	.20	1.39	1.20	2.31	2.35	3.66	1.19	1.37	.37	.23	1.69	2.26	18.22
1928	2.81	6.95	4.93	2.33	2.75	2.27	3.04	2.52	2.74	2.17	.98	1.03	34.02
1929	.94	1.02	1.50	2.35	2.43	4.75	5.07	3.20	.39	-.20	-.10	-.04	21.31
1930	.10	.44	.63	1.11	1.52	2.58	1.71	.72	.08	-.04	-.15	-.31	8.39
1931	.05	.86	.25	.83	1.65	6.16	3.35	2.12	3.40	.56	.23	-.18	19.28
1932	-.05	.07	.53	1.83	1.38	3.29	3.13	.82	.16	-.17	.06	2.18	13.23
1933	3.07	5.03	1.69	1.85	1.54	5.25	6.33	1.30	.20	-.21	-.14	2.12	28.03
1934	.95	.69	1.08	3.03	.75	4.78	4.72	2.28	.79	-.06	-.08	1.41	20.36
1935	1.34	1.04	1.47	3.34	2.27	4.88	4.52	1.59	1.88	.17	-.15	.19	22.54
1936	-.18	.75	.67	2.85	1.36	11.53	4.02	1.45	.33	-.17	.02	.42	23.05
1937	.62	.51	5.12	4.04	2.35	3.01	3.16	2.42	1.57	.32	.22	.39	23.48
1938	.63	2.32	3.41	3.29	2.72	2.54	2.04	1.66	2.25	6.14	2.04	3.93	32.98
1939	1.71	1.53	3.47	1.57	2.61	4.21	5.23	1.18	.34	-.16	-.03	-.03	21.83
1940	.32	.56	.67	.92	.88	3.91	6.85	2.77	1.40	.81	-.27	-.03	18.79
1941	-.16	1.67	1.73	1.31	2.19	2.41	1.77	.63	.28	-.09	-.42	-.42	10.90
1942	-.37	.03	.33	.79	1.19	5.43	1.96	.82	.19	.62	.18	-.16	11.01
1943	.19	1.15	3.45	1.77	2.35	4.18	2.00	3.00	.42	-.08	-.29	-.37	17.77
1944	.28	.95	.21	.30	.61	2.14	2.95	.56	.41	-.39	-.60	.17	7.59
1945	-.16	.82	1.80	1.73	1.64	5.43	1.87	3.14	2.18	.82	.34	.10	19.71

Note.- Negative figures indicate that evaporation and seepage from reservoirs exceeded inflow.

Annual discharge, in second-feet (adjusted), of Sudbury River at Framingham Center, Mass.

Year	W.S.P.	Water year ending Sept. 30			Calendar year	
		Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1875	415	-	-	-	117	20.42
1876	415	145	1.86	25.24	137	22.91
1877	415	130	1.67	22.72	146	25.49
1878	415	154	1.98	26.87	175	30.50
1879	415	154	1.99	26.98	108	18.78
1880	415	72.6	.928	12.64	70.0	12.17
1881	415	106	1.40	19.00	114	20.55
1882	415	106	1.40	19.02	130	18.08
1883	415	64.4	.856	11.61	62.0	11.18
1884	415	125	1.67	22.72	131	23.80
1885	415	90.2	1.20	16.29	105	18.91
1886	415	135	1.79	24.30	126	22.82
1887	415	140	1.87	25.35	134	24.24
1888	415	133	1.77	24.13	197	35.76
1889	415	184	2.45	33.29	161	29.07
1890	415	159	2.11	28.62	150	27.01
1891	415	186	2.48	33.67	153	27.61
1892	415	88.6	1.18	16.03	90.9	16.44
1893	415	118	1.57	21.68	121	21.79
1894	415	84.1	1.12	15.19	89.6	16.19
1895	415	95.1	1.26	17.14	134	24.18
1896	415	158	2.10	28.52	119	21.46
1897	415	109	1.45	19.62	115	20.82
1898	415	146	1.94	26.33	169	30.47
1899	415	155	2.06	28.01	113	20.43
1900	47	113	1.50	20.43	126	22.74
1901	65	140	1.86	25.28	156	28.20
1902	82	141	1.88	25.46	133	23.94
1903	97	151	2.01	27.28	128	24.99
1904	124	115	1.55	20.83	108	19.61
1905	165	86.8	1.15	15.69	92.5	16.70
1906	201	99.0	1.32	17.86	100	18.06
1907	241	85.1	1.13	15.33	117	21.18
1908	241	125	1.66	22.56	80.8	14.61
1909	261	72.4	.963	13.04	72.7	13.12
1910	281	65.8	.875	18.86	66.3	11.96
1911	301	45.7	.607	8.24	59.9	10.81
1912	321	102	1.36	18.45	90.7	16.43
1913	351	75.0	.998	13.55	85.3	15.40
1914	381	104	1.38	18.72	89.9	16.23
1915	401	72.8	.969	13.14	82.7	15.09
1916	431	115	1.53	20.75	105	19.03
1917	451	78.7	1.05	14.21	87.3	15.77
1918	471	81.7	1.09	14.76	85.7	15.46
1919	501	106	1.41	19.10	115	20.75
1920	501	152	2.02	27.50	144	26.09
1921	521	96.7	1.29	17.44	96.0	16.55
1922	541	117	1.55	21.09	114	20.60
1923	561	103	1.37	18.67	130	23.41
1924	581	130	1.73	23.53	97.8	17.72
1925	601	69.6	.928	12.57	92.7	16.74
1926	621	98.8	1.21	17.83	86.8	15.66
1927	641	101	1.24	18.22	164	29.62
1928	661	188	2.50	34.02	129	23.29
1929	681	118	1.57	21.31	105	19.02
1930	696	46.4	.617	8.39	46.4	8.28
1931	711	107	1.42	19.28	102	18.67
1932	726	72.1	.973	12.23	124	22.47
1933	741	155	2.06	28.03	116	20.96
1934	756	113	1.50	20.36	119	21.49
1935	781	125	1.66	22.54	110	19.98
1936	801	127	1.69	23.05	155	28.06
1937	821	130	1.75	23.46	131	23.57
1938	851	183	2.43	32.98	185	33.33
1939	871	120	1.59	21.63	91.2	16.47
1940	891	104	1.38	18.79	112	20.48
1941	921	60.4	.803	10.90	42.4	7.65
1942	951	60.9	.810	11.01	87.6	15.81
1943	971	98.4	1.31	17.77	79.9	14.42
1944	1001	42.0	.558	7.59	47.6	8.61
1945	1031	109	1.45	19.71	-	-
1876 - 45	-	112	1.49	-	-	-

LAKE COCHITUATE OUTLET AT COCHITUATE, MASS.

Location. - Venturi meter, lat. 42°18'45", long. 71°28'15", at outlet, three-eighths of a mile north of Cochituate railroad station, Middlesex County, and 1 1/4 miles upstream from Sudbury River.

Drainage area. - 17.40 square miles since January 1937. 17.58 square miles from January 1911 to December 1936; 17.80 square miles from July 1909 to December 1910; 18.87 square miles from January 1885 to June 1909.

Records available. - January 1883 to September 1945.

Remarks. - Records adjusted for change in reservoir contents, diversions, and wastage. Entire flow, except wastage, diverted for use of Boston Metropolitan district.

Cooperation. - Records furnished by water division of Metropolitan District Commission.

Monthly and annual mean discharge, in second-feet (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1883	-	-	-	31.3	56.5	60.8	74.6	23.6	11.2	48.2	25.2	16.7	-
1884	21.4	44.6	55.8	39.4	27.3	67.0	44.8	28.4	8.28	6.74	11.0	8.20	28.5
1885	28.2	21.0	19.2	38.7	31.9	78.8	45.7	77.8	5.62	7.47	7.81	7.49	29.9
1886	11.4	17.3	18.5	12.1	51.4	29.1	27.4	21.2	18.4	20.6	10.5	22.3	21.5
1887	15.3	16.5	25.4	17.9	94.9	56.9	48.4	35.7	11.2	9.17	34.3	5.26	30.5
1888	17.2	18.7	18.4	20.2	19.5	63.0	59.1	40.1	27.0	7.45	18.6	20.8	33.5
1889	15.5	33.6	19.2	29.8	35.8	54.5	42.0	35.5	17.7	12.1	9.68	18.8	26.8
1890	38.2	22.0	51.8	77.5	71.5	55.2	116	27.2	16.4	8.76	6.55	10.9	41.6
1891	15.7	13.5	12.8	16.8	41.4	41.5	26.6	32.7	14.8	7.04	11.4	4.81	19.8
1892	10.0	20.9	19.3	18.1	15.6	22.1	50.1	17.9	25.1	2.84	21.6	28.7	20.9
1893	27.6	23.8	19.8	50.6	28.5	68.7	103	42.6	7.66	10.1	22.9	18.2	35.4
1894	32.4	61.4	45.9	51.1	39.7	30.1	53.9	45.5	32.1	15.5	15.1	9.00	33.4
1895	8.57	9.83	8.32	2.17	58.0	43.6	53.3	22.8	25.0	4.15	10.2	10.1	20.6
1896	19.6	33.2	20.0	17.8	31.2	85.0	71.1	23.3	8.55	13.9	4.79	9.79	28.1
1897	5.91	21.4	16.1	19.6	24.9	111	54.9	33.3	15.5	10.6	10.7	6.82	28.5
1898	18.4	45.6	32.2	56.1	72.0	88.4	48.3	27.2	12.1	7.66	16.7	4.89	35.1
1899	12.0	65.0	66.1	21.1	42.2	54.0	75.8	28.0	18.0	5.24	15.5	10.3	31.0
1890	9.79	12.2	17.1	24.1	39.2	29.3	26.5	7.21	.962	5.34	3.81	4.09	14.9
1891	4.53	11.2	9.66	19.5	40.4	92.6	30.3	20.6	22.1	2.62	1.40	3.89	21.5
1892	3.00	14.2	23.0	30.1	54.4	60.1	15.8	25.4	10.5	.981	1.17	16.3	21.1
1893	12.8	9.81	15.0	16.8	28.8	35.4	28.1	20.6	1.13	.283	1.19	7.40	14.5
1894	7.19	6.77	25.3	20.1	50.1	76.5	67.6	22.7	11.4	4.28	10.0	2.26	25.2
1895	5.55	10.5	29.7	31.0	38.2	26.2	39.9	26.4	7.23	.000	5.49	4.28	19.3
1896	12.9	34.7	26.8	37.4	144	57.5	42.7	17.6	3.05	4.09	2.21	5.02	31.5
1897	3.73	17.3	34.3	35.1	78.7	77.0	56.8	22.1	13.9	11.6	21.7	10.8	34.8
1898	8.08	11.7	15.8	18.8	45.5	77.9	58.3	33.8	9.02	7.68	14.4	29.1	28.9
1899	42.1	71.2	89.3	73.7	33.6	34.1	36.7	19.6	19.9	26.7	56.1	20.3	44.6
1890	31.2	49.9	53.4	31.4	36.9	96.1	37.7	30.3	23.8	5.26	7.59	26.7	35.6
1891	55.7	25.2	34.6	102	120	131	72.9	14.4	13.0	8.15	11.8	12.9	50.4
1892	12.9	14.0	20.6	49.6	27.3	49.4	15.2	33.2	6.24	5.40	9.11	10.2	21.3
1893	9.34	18.4	13.7	10.5	44.2	87.5	41.1	29.9	12.7	6.23	12.6	7.13	22.8
1894	17.4	14.1	24.2	19.9	30.3	41.7	36.4	14.9	7.60	6.13	6.77	7.68	18.9
1895	10.6	15.6	18.7	25.8	18.6	57.2	58.6	15.9	6.87	9.17	8.10	11.7	20.9
1896	32.3	59.3	39.3	28.2	64.5	90.4	34.1	10.2	12.1	6.13	7.74	17.4	33.8
1897	21.0	25.6	21.3	26.8	30.0	52.7	31.3	22.6	20.1	12.3	10.2	7.74	23.3
1898	7.08	28.5	35.3	37.2	72.5	50.9	45.6	30.5	12.2	6.06	21.3	5.25	29.2
1899	26.3	39.1	44.9	56.4	41.9	104	48.0	11.3	1.92	.528	1.45	8.47	32.0
1900	10.2	8.42	6.64	20.0	78.0	75.9	27.4	31.0	8.59	5.58	10.5	12.1	24.2
1901	18.0	20.5	28.3	15.8	11.9	72.6	87.7	69.9	19.2	14.9	20.8	19.1	32.9
1902	20.4	19.5	89.4	39.1	36.5	114	51.7	18.0	6.02	7.51	11.4	13.0	32.2
1903	15.4	18.4	38.7	41.2	51.6	81.3	58.6	15.0	40.2	10.4	7.70	2.45	31.0
1904	16.7	10.1	15.4	17.2	22.0	77.5	88.6	38.3	9.22	1.12	7.52	17.0	26.8
1905	6.88	14.3	18.2	34.4	7.96	59.0	38.9	10.0	12.1	3.29	10.8	31.1	20.2
1906	12.9	16.6	26.4	25.7	23.1	56.9	45.1	26.3	14.6	12.1	9.25	8.09	23.1
1907	13.9	12.6	13.3	31.0	17.0	38.9	37.1	23.4	17.0	2.03	4.76	18.0	19.2
1908	18.5	44.5	47.0	38.7	45.5	55.6	28.8	25.1	5.94	4.62	3.48	-.557	26.4
1909	2.04	2.82	7.31	12.0	60.2	40.1	40.5	23.0	11.3	3.41	8.16	12.4	18.2
1910	2.69	7.08	10.5	48.1	50.0	42.9	20.4	10.7	18.2	4.48	.240	1.79	17.5
1911	.624	6.74	9.01	12.6	20.6	30.5	34.2	4.41	2.05	.913	8.55	9.85	11.6
1912	12.8	18.8	27.4	17.2	31.3	74.9	53.2	39.5	7.33	1.09	2.08	6.17	24.4
1913	7.47	9.08	16.7	29.6	22.5	54.9	54.4	25.1	6.61	-.190	4.99	8.63	20.0
1914	15.2	12.3	28.4	27.5	28.6	84.9	59.6	38.8	8.80	4.85	2.95	2.59	25.1
1915	.524	5.61	9.54	50.5	59.9	17.4	15.8	6.18	2.47	28.5	28.2	2.64	18.7
1916	8.29	10.5	30.1	29.2	47.0	80.6	72.2	44.5	40.2	22.1	5.63	1.66	30.9
1917	1.81	3.72	7.57	13.4	21.7	54.4	35.0	38.4	29.7	4.71	6.02	2.49	18.2
1918	18.1	14.5	18.1	18.8	48.3	51.1	36.1	16.8	5.67	4.41	-.878	22.0	20.4
1919	9.02	15.3	28.5	36.9	29.5	86.2	40.2	37.5	7.25	3.83	6.27	28.3	25.9
1920	12.0	45.4	61.6	11.9	35.5	149	77.7	46.4	50.9	11.9	4.18	5.15	40.0
1921	2.62	21.9	40.5	35.9	29.4	59.7	35.5	47.0	9.90	37.5	8.59	20.7	27.7
1922	1.50	20.8	50.5	10.8	25.4	67.7	47.6	42.4	54.8	29.0	15.1	5.07	30.7
1923	15.1	12.4	15.1	49.7	31.2	85.7	55.2	22.7	7.7	4.40	.564	.320	25.4
1924	8.82	22.4	32.9	20.3	33.6	82.9	42.9	36.8	10.5	7.070	6.04	13.7	27.6
1925	1.72	5.46	7.93	8.08	55.4	50.7	33.5	14.3	6.83	7.90	5.24	4.05	16.5
1926	9.82	15.1	45.5	23.4	43.3	72.7	44.5	21.5	5.70	1.83	12.6	-.088	24.4
1927	6.64	21.9	20.7	37.1	41.3	44.7	17.9	16.2	2.86	8.81	20.5	33.9	23.5
1928	21.5	45.0	62.6	33.4	44.6	30.0	45.5	33.6	36.8	29.3	15.1	15.8	35.3
1929	16.5	15.4	24.1	35.5	36.6	70.7	76.5	40.7	6.53	-.489	-.853	-.557	26.7
1930	2.63	5.62	12.5	21.4	27.9	32.9	23.0	8.11	3.30	1.60	-.172	-.136	11.2
1931	6.32	11.7	7.71	19.7	33.8	80.5	45.2	32.0	59.3	15.2	14.5	7.85	27.7
1932	9.75	5.44	11.2	27.0	18.3	45.4	40.4	12.6	5.23	-.164	2.87	28.0	17.1
1933	45.9	73.5	29.6	30.3	37.4	97.7	98.5	23.9	7.72	1.94	1.79	38.2	40.4
1934	16.4	12.2	21.3	48.1	17.5	70.9	63.5	29.2	13.5	.913	-.070	14.7	25.8
1935	13.1	17.4	19.9	50.7	45.5	67.3	75.2	24.8	27.4	4.25	.065	6.84	29.2
1936	.589	13.8	8.82	39.1	24.9	158	57.7	16.5	4.87	-.569	2.73	11.3	28.4
1937	8.98	7.49	68.4	57.6	44.5	48.6	47.0	34.6	23.8	3.33	4.50	5.58	29.5
1938	6.61	28.1	42.1	53.2	44.0	39.7	31.5	31.2	30.0	116	24.1	53.6	42.4
1939	24.5	23.3	43.8	22.6	45.6	67.9	79.2	21.4	8.18	2.43	5.98	1.09	28.8
1940	7.72	12.5	13.7	16.7	17.7	66.0	62.1	36.8	18.4	11.0	-.888	3.01	23.6
1941	.349	22.8	24.0	21.0	35.3	34.1	25.2	10.5	7.47	.419	-.246	-.332	14.4
1942	3.50	4.69	6.40	14.7	20.5	77.5	29.0	15.6	7.29	12.3	4.68	-.088	16.4
1943	5.01	18.9	51.6	26.4	37.2	58.6	32.5	43.6	9.39	3.03	-.523	-.338	23.1
1944	6.27	12.7	4.05	7.20	12.9	30.1	60.0	14.1	12.6	4.48	-.117	10.8	14.4
1945	4.55	26.5	35.9	28.3	32.9	78.2	26.9	39.8	32.2	9.00	5.72	-.124	26.7

Note. - Negative figures indicate that evaporation and seepage from reservoir exceeded inflow.

HYDROLOGY OF MASSACHUSETTS

Monthly and annual runoff, in inches (adjusted),
of Lake Cochituate Outlet at Cochituate, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1863	-	-	-	1.91	3.12	3.71	4.41	1.44	0.66	2.94	1.54	0.99	
1864	1.31	2.64	2.19	2.41	1.56	4.09	2.65	1.61	.49	.41	.67	.49	20.32
1865	1.42	1.24	1.17	2.06	1.76	4.68	2.71	4.75	.38	.46	.48	.44	21.48
1866	.69	1.02	1.13	.74	2.64	1.78	1.62	1.29	1.09	1.26	.64	1.32	15.42
1867	.94	.97	1.55	1.10	5.24	3.47	2.86	2.18	.66	.56	2.10	.31	21.94
1868	1.05	1.11	1.12	1.23	1.12	3.85	3.49	6.18	1.60	.46	1.15	1.62	24.18
1869	.95	1.99	1.17	1.62	1.67	3.33	4.46	2.17	1.05	.75	.59	1.11	19.28
1870	2.33	1.30	3.16	4.73	3.95	3.37	2.88	1.66	.97	.53	.40	.64	29.90
1871	.96	.80	.78	1.03	2.28	2.53	1.56	2.00	.87	.43	.70	.28	14.24
1872	.61	1.23	1.18	1.10	.89	1.35	2.96	1.10	1.48	.14	1.32	1.70	15.06
1873	1.70	1.99	1.20	3.10	1.58	3.90	6.08	2.66	.45	.61	1.43	.79	25.49
1874	2.02	1.86	2.69	3.12	2.20	1.84	3.18	2.79	1.96	.95	.92	.53	24.06
1875	.52	.57	.51	.15	2.93	2.66	3.17	1.39	1.50	.25	.61	.58	14.84
1876	1.21	1.98	1.22	1.08	1.77	5.20	4.21	1.43	.51	.85	.26	.58	20.32
1877	.36	1.85	1.00	1.20	1.37	6.81	3.24	2.04	.92	.64	.66	.40	20.49
1878	1.12	2.69	1.97	3.25	3.97	5.40	2.66	1.66	.76	.47	.84	.29	25.28
1879	.75	2.07	4.04	1.29	2.32	5.50	4.48	1.40	.77	.53	.95	.61	22.29
1880	.60	.72	1.04	1.47	2.24	1.79	1.57	.44	.06	.33	.22	.24	10.75
1881	.28	.66	.59	1.19	2.23	5.66	1.79	1.26	1.31	.16	.09	.23	15.48
1882	.18	.94	1.40	1.84	3.00	3.67	.93	1.55	.62	.06	.07	.97	15.13
1883	.84	.58	.92	.84	1.59	2.04	1.66	1.26	.07	.02	.07	.44	10.33
1884	.44	.40	.94	1.84	2.86	4.67	4.00	1.39	.67	.26	.61	.13	18.21
1885	.34	.62	1.82	1.90	2.00	2.21	2.36	1.61	.43	.00	.33	.25	13.87
1886	.79	2.05	1.64	2.28	7.93	3.51	2.52	1.09	.18	.25	.14	.30	22.68
1887	.42	1.20	2.10	4.06	1.34	4.70	3.36	1.35	.82	.72	1.33	.64	25.04
1888	.49	.70	.96	1.13	2.77	4.76	3.45	2.37	.53	.47	.94	2.31	20.88
1889	2.57	4.21	5.46	4.50	1.85	2.06	2.17	1.20	1.18	1.63	3.43	1.79	32.07
1890	1.91	2.95	3.26	1.92	2.04	5.87	2.23	1.85	1.41	.33	.46	1.40	25.63
1891	3.40	1.49	2.11	6.26	6.62	8.03	4.31	.66	.77	.50	.72	.76	35.85
1892	.79	.63	1.26	3.03	1.54	3.02	.90	2.03	.49	.33	.56	.60	15.38
1893	.57	1.09	.64	.64	2.55	4.12	2.42	1.85	.75	.58	.77	.42	16.58
1894	.63	1.48	1.21	1.67	2.55	2.55	2.15	.91	.45	.38	.41	.43	13.58
1895	.66	.92	1.14	1.58	.75	3.50	3.35	.97	.40	.55	.50	.69	15.01
1896	1.97	3.51	2.40	1.72	3.69	5.52	2.01	.62	.71	.38	.47	1.03	24.03
1897	1.28	1.40	1.31	1.64	1.65	3.22	1.85	1.39	1.19	.75	.63	.46	16.77
1898	.43	1.68	2.16	2.27	4.06	3.11	2.69	1.86	.78	.37	1.30	.31	21.02
1899	1.61	2.31	2.74	3.45	2.31	6.35	2.84	.69	.11	.03	.09	.50	23.03
1900	.63	.50	.41	1.22	4.31	4.64	1.62	1.89	.51	.34	.64	.71	17.42
1901	.79	1.21	1.73	.97	.65	4.43	5.99	4.27	1.14	.91	1.27	1.13	23.69
1902	1.25	1.15	4.24	2.39	2.01	6.94	3.06	1.10	.36	.46	.70	.77	24.43
1903	.94	.79	2.37	2.52	2.85	4.97	3.46	.79	2.38	.64	.47	.14	22.32
1904	1.02	.60	.94	1.05	1.26	4.73	5.24	2.34	.55	.07	b.46	1.00	19.26
1905	.42	.85	.80	2.10	.44	3.60	2.30	.61	.72	.21	.66	1.84	14.55
1906	.79	.98	1.61	1.57	1.28	3.48	2.66	1.61	.66	.74	.57	.48	16.63
1907	.95	.80	.61	1.90	.94	2.26	2.19	1.43	1.01	.12	.29	1.06	13.78
1908	1.15	2.63	2.97	2.36	2.60	3.40	1.71	1.54	.35	.23	.21	-.03	19.05
1909	.12	.14	.45	.73	3.32	2.45	2.59	1.42	.67	.22	.53	.76	13.20
1910	.17	.44	.68	2.60	2.92	2.76	1.28	.70	1.14	.29	.02	.11	12.33
1911	.04	.42	.58	.89	1.22	2.00	2.17	.29	.13	.06	.56	.61	8.97
1912	.91	1.19	1.79	1.13	1.92	4.91	3.36	2.59	.46	.07	.14	.39	18.88
1913	.49	.58	1.10	1.94	1.33	3.80	3.45	1.65	.42	-.01	.33	.55	15.43
1914	1.00	.84	1.53	1.60	1.70	5.57	3.78	2.55	.24	.32	.24	-.16	19.41
1915	.03	.35	.63	3.31	3.55	1.14	1.00	.40	.16	1.87	1.85	.17	14.46
1916	.54	.67	1.98	1.91	2.88	3.98	4.56	2.92	2.55	1.45	.36	.10	23.94
1917	.12	.24	.50	.88	1.29	3.57	2.22	2.52	1.88	.31	.39	.16	14.08
1918	1.18	.92	1.19	.90	2.86	3.35	2.29	1.09	.36	.29	-.06	1.40	15.77
1919	.59	.97	1.87	2.42	1.75	4.14	2.56	2.46	.46	.58	.41	1.79	20.00
1920	.79	2.75	2.07	.78	2.18	9.78	4.93	3.05	3.23	.77	.26	.33	30.94
1921	.17	1.39	2.66	2.35	1.74	3.92	2.25	3.08	.63	2.46	.56	.19	21.40
1922	.10	1.32	2.00	.71	1.50	4.44	3.02	2.78	3.48	1.91	.92	1.63	28.81
1923	.99	.85	.86	3.23	1.85	5.62	1.51	1.66	.69	.29	.04	.02	19.58
1924	.57	1.42	3.33	2.81	1.25	3.51	3.15	2.42	.67	.005	.39	.87	21.40
1925	.11	.35	.52	.53	3.28	3.33	2.13	.94	.43	.52	.34	.26	12.74
1926	.64	.83	2.98	1.54	2.56	4.77	2.82	1.41	.36	.12	.62	-.006	18.84
1927	.44	1.39	1.36	2.43	2.45	2.93	1.14	1.09	.18	.58	2.00	2.15	18.14
1928	2.07	2.86	4.17	2.19	2.74	1.97	2.89	2.20	2.34	1.92	.99	1.00	27.24
1929	1.06	.96	1.58	2.33	2.17	4.64	4.86	2.67	.41	-.03	-.06	-.04	20.59
1930	.17	.56	.62	1.41	1.65	2.16	1.46	.53	.21	.11	-.11	-.09	8.68
1931	.41	.74	.50	1.29	2.00	5.26	2.87	2.10	3.76	1.00	.95	.50	21.40
1932	.64	.34	.74	1.77	1.12	2.96	2.56	.64	.34	-.11	.25	1.78	18.25
1933	3.01	4.66	1.94	1.99	2.22	6.41	6.25	1.56	.49	.13	.12	2.43	31.21
1934	1.08	.78	1.40	3.15	1.04	4.65	4.03	1.92	.86	.06	-.005	.93	19.90
1935	.86	1.11	1.31	3.33	2.70	4.41	4.77	1.62	1.74	.28	.004	.43	22.56
1936	.04	.88	.58	2.57	1.53	10.36	3.68	1.21	.31	-.04	.24	.72	22.06
1937	.59	.47	4.47	3.62	2.66	8.25	3.02	2.31	1.53	.22	.30	.36	22.98
1938	.44	1.60	2.79	3.53	2.64	2.56	2.02	1.95	7.66	.26	3.44	35.13	
1939	1.62	1.49	2.90	1.50	2.73	4.50	5.08	1.42	.52	.16	.40	.07	22.39
1940	.51	.86	.91	1.11	1.10	4.36	5.27	2.44	1.05	.73	-.06	.19	18.49
1941	.02	1.46	1.59	1.39	2.11	2.26	1.61	.70	.46	.03	-.16	-.24	11.25
1942	.23	.30	.42	.97	1.23	5.13	1.86	1.03	.47	.82	.31	-.006	12.76
1943	.33	1.21	3.42	1.75	2.22	3.88	2.09	2.89	.60	.20	-.35	-.22	18.02
1944	.42	.82	.27	.48	.80	2.00	3.85	.94	.61	.30	-.06	.69	11.50
1945	.30	1.70	2.58	1.87	1.97	5.18	1.73	2.64	2.06	.60	.36	-.008	20.80

b Estimated.

Note.— Negative figures indicate that evaporation and seepage from reservoir exceeded inflow.

Annual discharge, in second-feet (adjusted), of Lake Cochituate Outlet at Cochituate, Mass.

Year	W.S.P.	Water year ending Sept. 30			Calendar year	
		Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1863	35	-	-	-	37.4	c26.86
1864	35	28.5	1.51	20.52	25.2	18.22
1865	35	29.9	1.58	21.48	28.5	20.49
1866	35	21.5	1.14	15.42	22.3	c16.04
1867	35	30.5	1.62	21.94	30.2	c21.76
1868	35	55.5	1.78	24.18	34.6	c25.01
1869	35	26.8	1.42	19.28	30.5	c21.96
1870	35	41.6	2.20	29.90	35.7	c25.65
1871	35	19.8	1.05	14.24	20.5	c14.72
1872	35	20.9	1.11	15.06	23.5	c16.93
1873	35	35.4	1.88	25.49	37.7	27.17
1874	35	33.4	1.77	24.06	26.6	19.09
1875	35	20.6	1.09	14.84	24.5	17.65
1876	35	28.1	1.49	20.32	26.5	19.12
1877	35	28.5	1.51	20.49	32.1	23.06
1878	35	35.1	1.86	25.28	36.6	26.34
1879	35	51.0	1.64	22.29	24.8	17.81
1880	35	14.9	.788	10.73	13.7	9.90
1881	35	21.5	1.14	15.45	22.7	16.34
1882	35	21.1	1.12	15.13	20.9	15.05
1883	35	14.3	.760	10.33	13.6	c9.77
1884	35	25.2	1.34	18.21	26.6	19.21
1885	35	19.3	1.02	13.87	21.6	15.57
1886	35	31.5	1.67	22.68	30.5	21.92
1887	35	34.8	1.84	25.04	32.6	23.47
1888	35	28.9	1.53	20.88	42.9	30.97
1889	35	44.6	2.36	32.07	38.9	27.95
1890	35	35.6	1.89	25.63	34.1	24.51
1891	35	50.4	2.67	35.85	44.1	31.73
1892	35	21.3	1.13	15.38	20.8	c15.00
1893	35	22.8	1.21	16.38	24.0	17.27
1894	35	18.9	.999	13.58	17.9	12.91
1895	35	20.9	1.11	15.01	28.0	20.17
1896	35	23.3	1.77	24.03	27.9	20.14
1897	35	23.3	1.24	16.77	23.7	17.05
1898	35	29.2	1.55	21.02	32.6	23.41
1899	35	32.0	1.70	23.03	24.9	17.91
1900	47	24.2	1.28	17.42	27.3	19.61
1901	65	32.9	1.75	23.69	37.0	26.60
1902	82	32.2	1.71	24.43	30.4	21.89
1903	97	31.0	1.64	22.32	28.9	20.78
1904	124	26.8	1.42	19.26	26.0	c18.77
1905	165	20.2	1.07	14.55	22.1	15.66
1906	201	23.1	1.22	16.63	21.8	15.71
1907	241	19.2	1.02	13.78	24.9	17.95
1908	241	26.4	1.40	19.05	18.2	13.13
1909	261	18.2	.975	13.20	18.9	c13.78
1910	281	17.5	.982	13.33	17.2	13.08
1911	301	11.6	.661	8.97	15.3	11.82
1912	321	24.4	1.39	18.88	22.2	17.16
1913	351	20.0	1.14	15.43	21.5	16.63
1914	381	25.1	1.43	19.41	22.1	17.05
1915	401	18.7	1.07	14.46	21.6	16.64
1916	431	30.9	1.76	23.94	27.9	21.61
1917	451	18.2	1.04	14.08	21.4	16.51
1918	471	20.4	1.17	15.77	20.6	15.91
1919	501	25.9	1.47	20.00	28.7	22.18
1920	501	40.0	2.28	30.94	38.2	29.55
1921	521	27.7	1.58	21.40	26.7	20.60
1922	541	30.7	1.75	23.81	29.9	23.09
1923	561	25.4	1.45	19.65	28.8	22.27
1924	581	27.6	1.57	21.40	22.0	17.06
1925	601	16.5	.939	c12.74	21.0	c16.21
1926	621	24.4	1.39	18.84	22.8	17.58
1927	641	23.5	1.34	18.14	31.2	24.05
1928	661	35.3	2.01	27.34	28.3	21.88
1929	681	26.7	1.52	20.59	23.7	18.30
1930	696	11.2	.639	8.68	11.6	8.98
1931	711	27.7	1.58	21.40	27.8	21.47
1932	726	17.1	.975	13.25	27.3	21.14
1933	741	40.4	2.30	31.21	32.2	24.86
1934	756	25.8	1.46	19.90	25.8	19.92
1935	781	29.2	1.66	22.56	26.9	20.78
1936	801	28.4	1.62	22.08	33.7	26.11
1937	821	29.5	1.69	22.98	28.8	22.48
1938	851	42.4	2.44	33.13	43.7	34.11
1939	871	28.8	1.66	22.39	23.9	18.66
1940	891	23.6	1.36	18.49	24.6	19.28
1941	921	14.4	.828	11.25	11.7	9.13
1942	951	16.4	.941	12.76	21.5	16.77
1943	971	23.1	1.33	18.02	18.7	14.57
1944	1001	14.4	.828	11.30	18.1	14.17
1945	1021	26.7	1.53	20.80	-	-
1864 - 45	-	25.0	1.44	-	-	-

c Corrected

HYDROLOGY OF MASSACHUSETTS

IPSWICH RIVER BASIN

IPSWICH RIVER AT SOUTH MIDDLETON, MASS.

Location.-- Water-stage recorder, lat. 42°34'10", long. 71°01'39", at South Middleton, Essex County, 700 feet downstream from Boston Street Bridge, 1.3 miles downstream from Willis Brook, and 2 miles south of Middleton.

Drainage area.-- 43.4 square miles.

Records available.-- June 1938 to September 1945.

Extremes.-- 1938-45: Maximum discharge, 608 second-feet July 24, 1938 (gage height, 5.72 feet); minimum, 0.4 second-foot Nov. 24, 1941.

Remarks.-- Runoff in inches adjusted for diversions for municipal supply of Reading, Lynn, and Peabody.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1938	-	-	-	-	-	-	-	-	58.7	195	95.5	103	-
1939	70.3	68.4	123	52.1	75.7	187	261	72.5	35.3	7.33	2.46	1.72	77.9
1940	5.82	20.4	8.53	15.1	14.7	120	267	100	67.5	24.8	3.43	5.32	54.1
1941	6.14	37.1	38.2	45.1	87.7	79.1	90.5	30.8	11.4	2.33	.955	.987	35.4
1942	1.78	1.55	8.73	23.9	49.9	199	103	44.9	9.13	14.4	3.43	2.64	38.6
1943	3.29	15.4	67.3	59.0	94.4	173	85.3	123	26.5	2.54	2.00	1.29	54.5
1944	6.87	26.2	14.5	12.5	28.1	95.9	132	45.1	26.1	13.3	5.45	24.3	35.4
1945	14.1	36.1	113	76.7	49.3	232	78.7	112	70.1	34.6	19.5	6.00	70.4

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1938	-	-	-	-	-	-	-	-	1.56	5.21	2.56	2.68	-
1939	1.69	1.78	3.30	1.41	1.63	4.46	6.74	1.96	.94	.23	.10	.07	24.71
1940	.18	.55	.62	.72	.75	3.76	7.29	2.84	1.76	.69	.12	.16	19.44
1941	.19	1.17	1.53	1.68	2.14	2.13	2.35	1.17	.35	.12	.09	.08	13.00
1942	.09	.28	.53	1.10	1.73	5.80	2.95	1.70	.77	.75	.34	.15	16.19
1943	.29	.96	2.28	1.89	2.29	4.62	2.31	3.86	1.17	.31	.29	.08	20.35
1944	.32	1.28	.88	.76	1.23	3.02	3.77	1.70	1.07	.58	.19	.92	15.67
1945	.68	1.48	3.52	2.19	1.20	6.19	2.38	3.17	2.02	.95	.55	.18	24.51

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30							Calendar year	
		Observed			Adjusted				Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches		Mean	Runoff in inches
1938	851	-	-	-	-	-	-	-	-	-
1939	871	400	0.95	77.9	79.0	1.82	24.71	58.6	19.08	
1940	891	375	.7	54.1	62.0	1.43	19.44	58.0	20.98	
1941	921	189	.5	35.4	41.6	.959	13.00	29.7	11.01	
1942	951	329	.45	38.6	51.8	1.19	16.19	44.8	18.82	
1943	971	274	1.0	54.3	65.0	1.50	20.35	51.0	19.25	
1944	1001	201	1.25	35.4	50.0	1.15	15.67	45.2	18.92	
1945	1031	343	4.4	70.4	78.4	1.81	24.51	-	-	
1939 - 45	-	400	.45	52.3	61.1	1.41	-	-	-	

IPSWICH RIVER NEAR IPSWICH, MASS.^{a/}

Location.- Water-stage recorder, lat. 42°29'35", long. 70°53'59", 200 ft. downstream from Willowdale Dam, 1½ miles downstream from Howlett Brook, and 4 miles upstream from Ipswich, Essex County. Datum of gage is 20.65 feet above mean sea level, datum of 1929.

Drainage area.- 124 square miles (not including area drained by Sunkaug Lake).

Records available.- June 1930 to September 1945.

Extremes.- 1930-45: Maximum discharge, 2,610 second-feet Mar. 15, 1936 (gage height, 7.70 feet); minimum, 1.4 second-feet Aug. 9, 1934.

Remarks.- Runoff in inches adjusted for diversions for municipal supply of Reading, Lynn, Peabody, Danvers, Salem, and Beverly.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	-	-	-	-	-	-	19.4	14.4	4.95	-
1931	14.4	55.1	48.4	94.2	165	576	460	255	320	130	38.6	31.2	182
1932	23.6	32.3	60.6	225	199	355	406	113	26.7	11.1	26.7	49.8	126
1933	197	525	178	212	215	719	872	232	88.6	23.2	11.1	200	287
1934	185	114	103	284	110	582	668	219	83.9	20.6	5.20	27.3	201
1935	66.2	80.0	99.0	296	209	639	584	209	188	79.2	11.5	23.4	207
1936	16.4	51.9	87.6	254	140	1,045	497	176	46.3	18.9	8.61	16.6	197
1937	40.0	31.5	295	361	259	305	332	287	158	37.0	11.8	33.0	177
1938	54.3	134	434	269	413	315	299	215	137	518	356	320	288
1939	181	170	326	150	207	448	745	215	104	23.6	9.63	6.47	215
1940	10.5	49.6	45.8	50.0	61.4	335	788	277	203	82.5	15.5	17.0	161
1941	15.9	95.8	116	158	245	203	257	126	37.4	14.9	8.23	5.07	106
1942	6.42	15.5	46.0	78.6	187	573	337	170	68.1	62.1	31.3	12.6	132
1943	22.2	68.4	209	205	226	482	252	325	121	23.0	18.9	6.30	163
1944	25.6	94.4	68.9	50.5	112	255	366	183	75.0	56.2	14.7	59.1	111
1945	44.0	98.4	374	211	127	667	258	323	199	129	69.5	21.4	211

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	-	-	-	-	-	-	0.21	0.18	0.07	-
1931	0.18	0.78	0.62	1.15	1.51	5.42	4.16	2.40	2.90	1.22	.39	.31	21.04
1932	.24	.51	.82	2.29	1.76	3.15	3.87	1.14	.27	.15	.27	.49	14.54
1933	2.01	4.85	1.86	1.99	1.83	6.70	7.87	2.19	.65	.24	.13	1.93	32.03
1934	1.74	1.05	.98	2.86	.95	5.45	6.03	2.24	.85	.22	.08	.27	22.52
1935	.70	.90	1.03	2.78	1.78	5.97	5.28	2.19	1.74	.77	.14	.23	23.51
1936	.18	.51	.90	2.52	1.28	9.74	4.50	1.66	.45	.21	.11	.17	22.23
1937	.40	.31	3.09	5.41	2.20	2.86	3.00	2.70	1.34	.40	.14	.32	20.17
1938	.53	1.28	4.13	2.52	3.49	2.95	2.72	2.03	1.26	4.83	3.34	2.90	31.98
1939	1.71	1.55	3.06	1.42	1.76	4.16	6.70	2.03	.95	.25	.12	.08	23.79
1940	.12	.47	.56	.66	.74	3.51	7.25	2.65	1.85	.79	.17	.17	18.94
1941	.17	.95	1.27	1.64	2.18	1.91	2.33	1.33	.42	.18	.12	.08	12.58
1942	.09	.24	.60	1.10	2.01	5.53	3.15	1.77	.84	.72	.39	.16	16.60
1943	.29	.83	2.17	2.01	1.92	4.50	2.34	3.24	1.28	.32	.27	.09	19.24
1944	.30	1.07	.81	.64	1.17	2.85	3.48	1.72	.83	.62	.17	.65	14.31
1945	.53	1.19	3.76	2.06	1.09	6.23	2.28	3.08	1.88	1.32	.67	.22	24.31

Note.- Runoff for period July 1930 to September 1934 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1930	696	-	-	-	-	-	-	-	-
1931	711	939	1.5	182	192	1.55	21.04	183	20.83
1932	726	774	3.1	126	132	1.06	14.54	190	21.67
1933	741	1,500	6.1	287	292	2.35	32.03	246	27.30
1934	756	1,500	2.1	201	206	1.66	22.52	187	21.37
1935	781	1,240	5	207	215	1.73	23.51	199	22.47
1936	801	2,490	5.5	197	203	1.64	22.23	215	24.44
1937	821	580	5.8	177	184	1.49	20.17	199	22.31
1938	851	1,680	16	288	292	2.35	31.98	293	32.56
1939	871	1,120	3.3	215	217	1.75	23.79	166	18.62
1940	891	1,180	7.3	161	173	1.40	18.94	171	20.18
1941	921	484	1.6	106	115	.927	12.58	92.4	11.12
1942	951	863	1.5	132	152	1.23	16.60	152	18.96
1943	971	675	3.8	165	176	1.42	19.24	154	18.13
1944	1001	494	6.4	111	150	1.05	14.31	159	17.61
1945	1031	961	16	211	222	1.79	24.31	-	-
1931 - 45	-	2,490	1.5	184	193	1.56	-	-	-

Note.-Runoff for period July 1930 to September 1934 recomputed on basis of revised drainage area.

^{a/} Published as Ipswich River at Willowdale, 1930.

MYSTIC RIVER BASIN

ABERJONA RIVER AT WINCHESTER, MASS.

Location.- Water-stage recorder, lat. 42°26'50", long. 71°08'22", at Winchester, Middlesex County, 0.5 mile upstream from head of Mystic Lakes. Datum of gage is at mean sea level, datum of 1929.

Drainage area.- 23.3 square miles (not including 1.4 square miles drained by Winchester Reservoirs).

Records available.- April 1939 to September 1945.

Extremes.- 1939-45: Maximum discharge, 308 second-feet Mar. 15, 1940; minimum, 0.3 second-foot several days in November and December 1941.

Remarks.- Flow affected by diversions for industrial use and for municipal supply of Woburn and Winchester, and by wastage and leakage from Winchester Reservoirs.

Monthly and annual discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	29.9	11.4	1.75	1.20	1.28	-
1940	1.37	1.35	1.59	10.1	13.0	81.8	99.3	42.1	21.7	9.13	1.31	2.99	23.8
1941	.87	13.6	23.6	27.0	47.1	36.4	26.7	15.5	4.41	.88	.68	.74	16.3
1942	.46	.59	.63	8.47	33.2	88.7	44.8	19.8	8.07	4.67	1.45	.88	17.6
1943	.81	4.72	36.9	28.1	46.3	64.2	32.9	50.9	16.1	2.95	1.51	.64	23.8
1944	3.29	11.8	6.64	14.4	25.4	42.7	49.3	18.8	10.8	2.60	.75	5.52	15.9
1945	3.75	14.7	48.8	33.2	30.2	95.3	33.6	45.3	29.7	10.2	5.18	1.38	29.4

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1939	871	-	-	-	-	-	-	-
1940	891	208	0.8	23.8	-	-	26.6	-
1941	921	183	.4	16.3	-	-	13.2	-
1942	951	218	.3	17.6	-	-	21.0	-
1943	971	194	.5	23.8	-	-	22.0	-
1944	1001	112	.5	15.9	-	-	19.8	-
1945	1031	181	.65	29.4	-	-	-	-
1940-45	-	218	.3	21.1	-	-	-	-

MYSTIC LAKE NEAR MEDFORD, MASS.

Location.-- Pumping plant, lat. 42°25'50", long. 71°08'55", at outlet of Upper Mystic Lake, 1½ miles west of Medford, Middlesex County.

Drainage area.-- 26.9 square miles.

Records available.-- January 1878 to December 1897.

Remarks.-- Discharge based on quantity pumped for municipal supply of city of Charlestown and adjusted for change in Mystic Lake contents. No allowance made for the slip of the pumps, the flow in a fishway, or change in contents in other reservoirs in the basin.

Cooperation.-- Records furnished by Metropolitan Water and Sewerage Board of Boston.

Monthly and annual mean discharge, in second-feet (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1878	-	-	-	82.9	102	115	53.3	50.3	18.8	11.3	25.8	13.4	-
1879	16.7	42.2	84.7	28.2	60.3	77.2	95.8	45.5	23.4	12.6	16.4	11.6	42.8
1880	7.80	10.8	16.1	39.5	65.5	45.5	36.0	22.3	12.4	15.6	12.6	10.8	24.5
1881	8.34	10.5	13.7	19.1	55.4	158	52.5	35.2	49.5	20.2	8.07	7.53	36.6
1882	6.72	12.1	20.2	32.0	78.3	97.6	28.0	43.0	19.6	8.07	5.11	12.9	30.4
1883	13.4	9.42	13.2	16.4	39.9	42.8	59.3	28.0	12.6	6.99	5.11	4.30	19.1
1884	9.15	10.2	10.2	34.7	97.1	127	92.8	34.4	20.4	13.4	14.0	5.65	39.0
1885	6.19	8.34	30.1	41.7	46.8	47.9	49.0	50.8	20.7	11.0	12.6	8.07	27.7
1886	15.9	58.1	55.7	53.8	199	91.2	78.0	29.6	13.2	9.68	5.92	7.80	51.4
1887	8.88	21.3	33.4	73.7	95.3	83.9	90.4	44.1	30.7	20.2	31.5	11.6	45.2
1888	13.2	17.2	21.3	33.4	82.9	99.8	78.8	67.2	20.2	9.15	12.6	81.5	40.6
1889	64.0	122	119	105	47.3	37.4	54.6	50.8	45.5	30.9	47.9	25.6	62.4
1890	28.2	60.0	71.3	48.4	57.6	125	70.7	69.9	46.3	9.95	10.8	14.0	51.1
1891	60.8	47.1	58.1	147	154	168	82.6	32.5	24.5	9.68	10.2	10.2	67.0
1892	13.4	13.4	20.4	58.1	43.8	70.7	32.0	49.0	28.2	15.3	11.6	13.4	30.7
1893	10.5	25.8	20.4	17.5	55.1	105	65.6	103	25.0	11.0	16.1	9.95	38.7
1894	12.9	17.2	29.6	32.0	48.4	71.3	54.6	30.7	22.1	11.6	8.88	8.61	29.1
1895	13.4	22.1	21.0	36.0	22.6	73.7	71.0	26.4	12.9	14.0	18.6	8.61	28.2
1896	34.2	57.0	49.5	43.0	84.7	105	78.5	18.0	18.0	9.15	7.80	25.6	44.1
1897	20.7	26.9	28.8	32.5	36.0	80.7	51.6	42.8	52.7	11.6	22.1	9.95	34.7
1898	9.15	24.5	45.7	-	-	-	-	-	-	-	-	-	-

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1878	-	-	-	3.55	3.97	4.91	2.21	2.16	0.78	0.48	1.11	0.56	-
1879	0.71	1.75	3.63	1.21	2.33	3.31	3.97	1.95	97	.54	.70	.48	21.55
1880	.34	.45	.69	1.70	2.54	1.95	1.50	.96	.51	.67	.54	.45	12.30
1881	.36	.44	.59	.82	2.14	6.79	2.17	1.51	2.05	.87	.35	.31	18.40
1882	.29	.50	.87	1.37	3.03	4.19	1.16	1.85	.81	.35	.22	.53	15.17
1883	.58	.39	.57	.70	1.45	1.88	1.63	1.20	.52	.50	.22	.18	9.60
1884	.59	.42	.44	1.49	3.89	5.42	3.85	1.48	.95	.58	.60	.23	19.64
1885	.27	.35	1.17	1.79	1.81	2.05	2.03	2.18	.86	.47	.54	.34	13.86
1886	.68	2.41	2.39	2.31	7.70	3.91	3.24	1.27	.55	.41	.25	.32	25.44
1887	.38	.88	1.43	3.16	3.61	3.60	3.75	1.89	1.27	.87	1.35	.48	22.67
1888	.57	.71	.91	1.43	3.32	4.28	3.27	2.88	.84	.39	.54	1.31	20.45
1889	2.74	5.04	5.08	4.51	1.83	1.60	2.27	2.18	1.89	1.33	2.05	1.06	31.58
1890	1.21	2.49	3.06	2.07	2.23	5.37	2.93	5.00	1.92	.43	.46	.58	25.75
1891	2.61	1.95	2.49	6.29	5.97	7.21	3.43	1.40	1.01	.42	.44	.42	33.64
1892	.58	.56	.87	2.49	1.76	3.03	1.33	2.10	1.17	.66	.49	.56	15.60
1893	.45	1.07	.87	.75	2.14	4.52	2.72	4.42	1.04	.47	.69	.41	19.55
1894	.55	.71	1.27	1.37	1.87	3.05	2.27	1.31	.91	.49	.38	.36	14.54
1895	.58	.91	.90	1.55	.87	3.16	2.95	1.13	.54	.60	.80	.36	14.35
1896	1.46	2.37	2.12	1.85	3.40	4.50	3.26	.77	.75	.39	.34	1.06	22.27
1897	.89	1.11	1.23	1.39	1.40	3.46	2.14	1.83	2.19	.50	.95	.41	17.50
1898	.59	1.02	1.96	-	-	-	-	-	-	-	-	-	-

Annual discharge, in second-feet (adjusted)

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Runoff in inches
1878	35, 415	-	-	-	-	51.2	25.82
1879	35, 415	-	-	42.8	1.59	21.55	16.94
1880	35, 415	-	-	24.5	.91	12.30	12.21
1881	35, 415	-	-	36.6	1.36	18.40	18.67
1882	35, 415	-	-	30.4	1.13	15.17	15.05
1883	35, 415	-	-	19.1	.71	9.80	9.31
1884	35, 415	-	-	39.0	1.45	19.64	20.18
1885	35, 415	-	-	27.7	1.03	13.86	17.55
1886	35, 415	-	-	51.4	1.91	25.44	22.65
1887	35, 415	-	-	45.2	1.68	22.67	22.17
1888	35, 415	-	-	40.6	1.51	20.45	31.12
1889	35, 415	-	-	62.4	2.32	31.58	25.48
1890	35, 415	-	-	51.1	1.90	25.75	26.04
1891	35, 415	-	-	67.0	2.49	33.64	28.60
1892	35, 415	-	-	30.7	1.14	15.60	15.88
1893	35, 415	-	-	38.7	1.44	19.55	19.59
1894	35, 415	-	-	29.1	1.08	14.54	14.40
1895	35, 415	-	-	28.2	1.05	14.35	17.91
1896	35, 415	-	-	44.1	1.64	22.27	19.55
1897	35, 415	-	-	34.7	1.29	17.50	17.64
1879 - 97	-	-	-	39.1	1.46	-	-

CHARLES RIVER BASIN

CHARLES RIVER AT CHARLES RIVER VILLAGE, MASS.

Location.-- Water-stage recorder, lat. 42°15'23", long. 71°15'42", in Charles River Village, Norfolk County, 0.25 mile downstream from highway bridge and 0.8 mile downstream from Noanet Brook. Datum of gage is 89.76 feet above mean sea level, datum of 1929.

Drainage area.-- 184 square miles.

Records available.-- October 1937 to September 1945.

Extremes.-- 1937-45: Maximum discharge, 3,110 second-feet July 27, 1938 (gage height, 9.00 feet); minimum, 1.9 second-feet (regulated) Oct. 14, 1941 (gage height, 0.25 foot).
Maximum discharge known, 3,170 second-feet in March 1936, by computation of flow over dam at site a quarter of a mile above station.

Remarks.-- Runoff in inches adjusted for diversions for municipal supply of Wellesley and Needham.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1938	114	253	558	475	544	417	363	285	335	1,080	611	364	449
1939	290	274	459	255	411	696	844	300	140	63.4	66.2	44.7	319
1940	52.7	193	142	178	163	597	1,024	417	261	153	49.9	38.7	272
1941	39.0	188	200	221	375	304	321	204	152	73.1	58.8	28.6	179
1942	18.1	56.6	89.9	159	285	789	398	194	105	114	112	39.6	196
1943	81.6	184	427	391	433	850	381	513	193	71.6	63.2	23.2	284
1944	79.1	151	75.3	80.0	143	339	497	285	140	62.6	30.1	150	167
1945	116	229	500	385	286	875	357	469	354	211	91.0	65.8	329

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1938	0.73	1.55	3.52	3.00	3.09	2.63	2.22	1.81	2.05	6.66	3.85	2.22	33.33
1939	1.83	1.68	2.89	1.61	2.34	4.38	5.13	1.90	.87	.42	.44	.29	23.78
1940	.35	1.19	.91	1.13	.97	3.76	6.23	2.63	1.60	.98	.34	.26	20.35
1941	.26	1.16	1.27	1.40	2.13	1.91	1.96	1.29	.94	.47	.38	.19	13.36
1942	.13	.36	.58	1.01	1.62	4.96	2.42	1.23	.65	.73	.71	.25	14.65
1943	.52	1.13	2.69	2.46	2.48	4.09	2.32	3.23	1.18	.47	.41	.16	21.12
1944	.51	.93	.49	.52	.85	2.14	3.03	1.68	.86	.41	.21	.93	12.56
1945	.74	1.40	3.15	2.43	1.63	5.50	2.18	2.96	2.16	1.34	.59	.42	24.50

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1938	851	3,020	37	449	452	2.46	33.33	457	33.93
1939	871	973	31	319	323	1.76	23.78	286	19.83
1940	891	1,180	31	272	275	1.49	20.35	275	20.59
1941	921	680	16	179	181	.984	13.36	157	11.74
1942	951	1,110	2.3	196	199	1.08	14.65	241	17.92
1943	971	861	13	284	286	1.55	21.12	251	18.71
1944	1001	788	15	167	170	.924	12.56	212	15.92
1945	1031	1,240	45	329	332	1.80	24.50	-	-
1938-45	-	3,020	2.3	274	277	1.51	-	-	-

CHARLES RIVER AT WALTHAM, MASS.

Location.- Water-stage recorder, lat. 42°22'20", long. 71°14'03", 800 feet downstream from Moody Street Bridge in Waltham, Middlesex County, and a third of a mile upstream from Beaver Brook. Datum of gage is 20.02 feet above mean sea level, datum of 1929.

Drainage area.- 227 square miles (not including 25.6 square miles drained by Stony Brook, runoff from which is diverted for municipal supply of Cambridge).

Records available.- October 1903 to October 1909 (figures of average weekly discharge, equivalent to figures of unadjusted discharge at present site), August 1931 to September 1945.

Extremes.- 1931-45: Maximum discharge, 2,540 second-feet Mar. 19, 1936 (gage height, 4.79 feet); minimum, 0.1 second-foot (regulated) Oct. 1, 12, 1945.

Remarks.- Low flow completely regulated by Boston Edison Co. power plant above station. Runoff in inches adjusted for diversions to Mather Brook and for municipal supply of Wellesley, Needham, Dedham, Brookline, Newton, and Waltham, wastage from Stony Brook Reservoir, wastage and leakage from Norumbega Reservoir, and diversion from Lake Cochituate to Charles River.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	-	-	-	-	-	-	-	-	-	69.9	-
1932	26.9	29.7	75.5	252	204	356	476	135	56.5	35.0	22.3	128	149
1933	256	631	254	306	300	862	1,050	343	111	49.6	29.7	281	372
1934	175	119	155	459	165	669	766	374	132	45.9	27.7	52.2	262
1935	151	126	218	440	546	747	795	375	290	104	56.4	57.5	309
1936	26.7	45.8	97.9	280	180	1,529	781	252	82.0	39.1	20.9	162	275
1937	151	120	575	541	417	455	454	412	211	74.9	55.8	108	286
1938	89.0	224	488	405	524	395	348	266	267	915	603	524	404
1939	281	268	467	261	351	656	860	291	132	47.3	52.1	35.0	308
1940	41.8	153	122	146	140	564	922	395	228	128	40.0	35.4	242
1941	51.8	148	163	188	540	270	304	180	126	64.2	48.6	19.9	156
1942	24.5	48.6	80.1	144	265	698	396	189	84.1	91.6	99.7	24.4	177
1943	65.6	145	402	347	371	816	335	446	195	58.2	52.2	31.2	255
1944	55.7	132	75.6	81.0	118	298	441	284	114	85.9	28.8	137	150
1945	99.5	198	460	322	206	838	354	435	303	214	72.6	61.1	297

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	-	-	-	-	-	-	-	-	-	0.57	-
1932	0.37	0.37	0.94	1.35	1.43	2.35	3.19	1.08	0.51	0.35	0.28	.99	12.39
1933	1.88	4.66	1.78	2.13	1.82	5.58	6.39	2.59	.86	.47	.31	1.89	29.31
1934	1.50	.88	1.20	3.09	1.07	4.40	4.74	2.49	.99	.45	.30	.48	21.36
1935	1.04	.95	1.83	3.09	2.17	4.97	5.00	2.26	1.81	.75	.47	.47	24.61
1936	.28	.45	.79	2.85	1.27	9.12	4.95	1.76	.64	.37	.25	1.19	25.12
1937	1.15	.69	4.16	3.77	2.66	3.15	2.89	2.81	1.47	.81	.48	.83	24.88
1938	.71	1.58	3.49	2.79	3.32	2.72	2.35	1.86	1.98	6.23	4.31	2.09	33.45
1939	1.90	1.72	2.99	1.67	2.14	4.48	5.49	1.96	.92	.45	.44	.31	24.45
1940	.56	1.14	.95	1.15	1.01	3.89	6.05	2.82	1.63	.99	.37	.30	20.66
1941	.29	1.10	1.25	1.42	2.22	1.92	2.10	1.34	.83	.53	.42	.23	13.73
1942	.15	.38	.63	1.08	1.78	4.81	2.70	1.26	.85	.69	.75	.25	15.09
1943	.52	1.02	2.76	2.43	2.58	4.16	2.30	3.10	1.39	.49	.45	.28	21.28
1944	.45	.94	.58	.81	.85	1.94	3.01	1.92	.83	.57	.25	.96	12.91
1945	.74	1.31	3.23	2.26	1.41	5.78	2.25	2.92	2.07	1.54	.58	.47	24.56

Note.- Runoff for period September 1931 to September 1937 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30							Calendar year	
		Observed			Adjusted				Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches	
1905 - 09	415	-	-	-	-	-	-	-	-	-
1931	726	-	-	-	-	-	-	-	-	-
1932	726	665	1	149	223	0.982	13.39	231	19.68	
1933	741	1,440	1.4	372	490	2.16	29.31	314	25.02	
1934	756	992	2.2	262	358	1.58	21.36	267	21.80	
1935	781	1,260	1.0	309	411	1.81	24.61	281	22.51	
1936	801	2,480	.9	275	386	1.70	23.12	332	27.79	
1937	821	980	7.2	296	416	1.83	24.86	292	24.53	
1938	851	2,170	4.6	404	559	2.46	33.45	422	34.28	
1939	871	1,020	14	308	409	1.80	24.45	249	20.29	
1940	891	1,100	4.3	242	344	1.52	20.66	245	20.83	
1941	921	545	2.5	156	220	1.01	13.73	140	12.27	
1942	951, 971	1,160	4.7	177	252	1.11	15.09	215	16.23	
1943	971	860	1.0	255	356	1.57	21.28	226	18.95	
1944	1001	627	.2	150	215	.947	12.91	191	16.22	
1945	1031	1,180	5.9	297	411	1.81	24.56	-	-	
1932 - 45	-	2,480	.2	281	361	1.59	-	-	-	

Note.- Runoff for period September 1931 to September 1937 recomputed on basis of revised drainage area.

MOTHER BROOK AT DEDHAM, MASS.

Location.-- Float gage, lat. 42°15'19", long. 71°09'58", at Dedham, Norfolk County, 0.4 mile downstream from point of diversion from Charles River. Datum of gage is 0.03 foot below mean sea level, datum of 1929.

Records available.-- October 1931 to September 1945.

Extremes.-- 1931-45: Maximum discharge, 909 second-feet July 28, 29, 1938 (gage height, 31.84 feet, from graph based on gage readings); no flow Sept. 12 to Nov. 1, 1941, and several days August to October 1943, August, September 1944.

Remarks.-- Gage read twice daily. Entire flow of Mother Brook represents water diverted by brook from Charles River to Neponset River through Dedham and Hyde Park.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1932	14.0	14.9	30.3	95.9	78.0	121	169	55.2	23.0	10.6	9.82	51.1	55.6
1933	94.6	215	88.4	99.2	287	533	109	39.3	18.4	9.58	93.6	121	
1934	81.5	42.1	59.7	180	48.5	220	242	120	47.5	14.3	9.42	17.0	87.3
1935	30.5	35.7	82.6	158	117	255	259	60.6	63.6	20.3	8.97	15.7	92.1
1936	5.79	23.4	35.7	101	64.8	490	253	80.8	23.2	9.15	5.93	57.8	96.1
1937	55.3	37.6	233	199	154	157	150	134	68.6	22.1	14.5	38.3	105
1938	28.5	78.5	189	146	194	140	121	94.4	110	339	244	100	149
1939	72.8	63.8	130	56.9	113	221	278	83.5	33.0	8.84	10.1	4.40	89.4
1940	6.67	56.3	42.2	56.3	49.9	196	328	144	80.9	42.8	5.18	1.66	84.0
1941	1.94	52.4	56.5	69.1	128	93.1	102	57.2	38.1	12.9	8.04	.53	51.1
1942	0	6.97	20.5	44.3	92.4	250	135	51.3	18.8	19.5	23.2	2.44	35.4
1943	12.6	41.3	133	112	128	199	114	150	59.1	8.85	8.44	1.10	80.4
1944	9.33	33.6	13.5	13.9	34.4	88.3	153	86.6	28.4	13.2	1.25	41.4	42.9
1945	20.4	43.6	151	98.3	74.9	285	97.6	121	92.8	62.5	15.4	7.96	89.6

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1932	726	232	2.9	55.6	-	-	83.4	-
1933	741	451	5.2	121	-	-	102	-
1934	756	385	3.0	87.3	-	-	86.1	-
1935	781	467	3.3	92.1	-	-	85.0	-
1936	801	374	.4	96.1	-	-	118	-
1937	821	338	1.8	105	-	-	105	-
1938	851	900	9.0	149	-	-	149	-
1939	871	327	.3	89.4	-	-	75.7	-
1940	891	362	.3	84.0	-	-	84.5	-
1941	921	222	0	51.1	-	-	44.2	-
1942	951	368	0	55.4	-	-	68.8	-
1943	971	247	0	80.4	-	-	69.3	-
1944	1001	228	0	42.9	-	-	56.3	-
1945	1031	449	3.2	89.6	-	-	-	-
1932 - 45	-	900	0	85.6	-	-	-	-

NEPONSET RIVER BASIN

NEPONSET RIVER AT NORWOOD, MASS.

Location.- Water-stage recorder, lat. 42°10'39", long. 71°12'05", 200 feet upstream from Pleasant Street Bridge, 200 feet downstream from New York, New Haven & Hartford Railroad bridge, 0.45 mile downstream from Hawes Brook, and 0.5 mile south of Norwood, Norfolk County. Datum of gage is 44.04 feet above mean sea level, unadjusted.

Drainage area.- 35.2 square miles.

Records available.- November 1939 to September 1945.

Extremes.- 1939-45: Maximum discharge, 304 second-feet (regulated) Mar. 17, 1942 (gage height, 9.80 feet); minimum daily, 2.4 second-feet (regulated) Nov. 11, 1940.
Maximum stage known, 11.05 feet July 24, 1938, from floodmarks.

Remarks.- Flow regulated by mills and reservoirs above station. Several diversions above station for municipal and industrial use.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	22.9	21.8	28.9	100	160	65.0	37.3	25.8	10.6	12.0	-
1941	9.59	30.9	28.0	29.8	51.5	49.9	48.2	32.8	21.9	16.4	12.7	10.8	28.4
1942	14.1	19.9	18.9	27.3	47.6	132	63.0	28.7	16.3	19.7	14.3	10.1	34.3
1943	18.4	34.8	61.5	56.4	83.7	88.2	53.3	88.8	29.3	11.1	10.2	8.20	45.2
1944	11.9	19.2	11.0	12.4	19.1	49.4	64.5	29.6	18.2	10.7	8.94	24.2	26.2
1945	14.7	42.3	76.5	73.5	62.0	154	56.0	75.7	52.5	31.3	16.5	15.0	54.3

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1940	S91	-	-	-	-	-	44.0	-
1941	921	190	2.4	28.4	-	-	27.1	-
1942	951	246	5.3	34.3	-	-	39.5	-
1943	971	169	5.3	45.2	-	-	39.0	-
1944	1001	146	4.3	23.2	-	-	30.9	-
1945	1031	224	3.7	54.3	-	-	-	-
1941 - 45	-	246	2.4	37.1	-	-	-	-

TAUNTON RIVER BASIN

TAUNTON RIVER AT TITICUT, NEAR BRIDGEWATER, MASS.

Location.— Staff gage, lat. 41°56'50", long. 70°56'13", at Summer Street Bridge between Bridgewater and Middleboro, Plymouth County, 0.9 mile (revised) upstream from confluence with Nemasket River. Prior to April 1, 1924, chain gage at same site.

Drainage area.— 185 square miles.

Records available.— March 1920 to September 1925.

Extremes.— 1920-25: Maximum discharge, approximately 5,150 second-feet Mar. 19, 1920 (gage height, 15.5 feet, from floodmarks), from rating curve extended above 3,400 second-feet on basis of velocity-area study; minimum, 28 second-feet Aug. 10, Nov. 19, 1924, and Aug. 29, 1925.

Remarks.— Stage-discharge relation occasionally affected by backwater from dam at East Taunton. Gage read to hundredths twice daily.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	-	-	-	-	-	1,760	767	652	729	201	137	89.0	-
1921	127	180	248	293	200	566	480	608	223	908	198	156	349
1922	172	261	310	215	280	577	560	422	444	265	364	505	365
1923	208	170	150	648	324	726	584	425	154	96.7	102	98.0	308
1924	162	148	247	272	264	483	810	443	245	109	122	246	295
1925	112	59.3	118	135	572	392	309	190	144	151	103	83.7	195

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	-	-	-	-	-	10.96	4.63	4.06	4.40	1.26	0.85	0.54	-
1921	0.79	1.09	1.54	1.82	1.12	3.53	2.78	3.79	1.35	5.66	1.25	.95	25.64
1922	1.07	1.57	1.94	1.54	1.57	3.60	3.89	2.65	2.68	1.85	2.27	3.05	28.75
1923	1.30	1.03	.94	4.04	1.82	4.32	3.35	2.65	.93	.80	.84	.59	22.59
1924	1.01	.89	1.54	1.70	1.54	3.01	4.89	2.76	1.47	.68	.76	1.48	21.73
1925	.70	.36	.74	.84	3.22	2.44	1.86	1.19	.87	.94	.64	.50	14.30

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1920	501	-	-	-	-	-	-	-
1921	521	3,380	83	349	1.89	25.64	365	26.80
1922	541	2,070	92	365	1.97	26.75	347	25.44
1923	561	1,520	50	308	1.66	22.59	310	22.76
1924	581	1,160	26	295	1.59	21.73	278	20.09
1925	601	1,380	23	195	1.05	14.30	-	-
1921-25	-	3,380	23	302	1.63	-	-	-

TAUNTON RIVER AT STATE FARM, MASS.

Location.-- Water-stage recorder, lat. 41°56'05", long. 70°57'18", at State Farm, Plymouth County, 1 mile upstream from Saw Mill Brook. Datum of gage is 9.61 feet above mean sea level, datum of 1929. Prior to June 9, 1934, staff gage at same site and datum.

Drainage area.-- 280 square miles.

Records available.-- October 1929 to September 1945.

Extremes.-- 1929-45: Maximum discharge observed, 3,050 second-feet Apr. 14, 1935 (gage height, 10.65 feet); minimum, 8 second-feet (regulated) Sept. 10, 1944.

Remarks.-- Flow regulated by reservoirs and small power plants above station. Runoff in inches adjusted for diversions above station from Wamsasset River for municipal supply of Taunton and New Bedford and for diversion from Silver Lake into Taunton River Basin above station for municipal supply of Brockton and other cities.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	92.7	216	344	563	673	590	431	272	221	88.7	78.8	63.9	301
1931	43.5	174	217	411	522	970	796	646	879	303	219	206	448
1932	125	185	236	868	596	699	700	346	195	114	166	143	344
1933	502	1,080	442	497	599	1,100	1,600	514	254	183	343	840	697
1934	450	321	414	862	425	1,083	1,024	476	245	84.0	28.0	44.3	455
1935	87.1	129	271	481	571	814	1,302	460	366	128	61.3	87.9	396
1936	68.0	205	246	650	420	1,592	986	415	185	99.8	77.9	429	448
1937	351	224	1,232	1,011	655	667	724	524	267	111	115	210	508
1938	286	477	881	708	685	763	588	409	507	1,021	325	512	576
1939	368	482	753	425	811	1,173	1,300	507	208	182	69.5	86.7	520
1940	94.8	300	227	289	403	1,085	1,515	707	433	251	84.0	87.5	455
1941	92.4	443	417	496	655	555	510	379	309	c89.8	76.9	38.9	336
1942	36.9	63.8	109	209	456	1,126	566	250	124	146	112	59.0	271
1943	108	306	487	446	759	766	503	716	241	52.1	97.2	37.6	379
1944	86.7	210	112	162	204	495	641	279	194	85.2	34.8	194	224
1945	136	359	770	592	612	1,351	496	605	336	232	84.8	56.1	468

c Corrected.

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	0.48	0.99	1.59	2.55	2.74	2.68	1.91	1.26	0.99	0.46	0.41	0.34	16.40
1931	.25	.80	1.02	1.88	2.15	4.36	3.47	2.92	3.33	1.40	1.02	.95	24.05
1932	.82	.73	1.11	3.02	2.47	3.15	3.05	1.58	.88	.55	.79	.89	18.64
1933	2.27	4.55	2.01	2.26	2.45	4.92	6.91	2.31	1.15	.89	1.59	3.66	34.97
1934	2.05	1.43	1.89	3.88	1.75	4.85	4.44	2.16	1.10	.44	.19	.24	24.42
1935	.44	.61	1.26	2.17	2.34	3.67	5.64	2.09	1.70	.62	.34	.44	21.32
1936	.37	.94	1.15	2.95	1.79	7.09	4.28	1.90	.84	.51	.41	1.90	24.13
1937	1.61	1.01	5.51	4.55	2.68	3.02	3.16	2.38	1.19	.55	.57	.96	27.37
1938	1.10	2.10	3.94	3.17	2.79	3.42	2.57	1.86	2.22	4.56	1.49	1.28	30.60
1939	1.69	1.91	3.39	1.92	3.29	5.28	5.82	2.31	1.44	.63	.38	.43	27.76
1940	1.48	1.35	1.05	1.34	1.71	4.85	6.54	3.16	1.91	1.16	.42	.42	24.41
1941	.46	1.97	1.90	2.25	2.67	2.51	2.24	1.74	1.38	.46	.41	.23	18.22
1942	.23	.33	.55	.99	1.89	5.05	2.49	1.17	.60	.72	.58	.22	14.92
1943	.55	1.26	2.24	2.06	3.11	3.57	2.23	3.25	1.12	.45	.52	.24	20.72
1944	.46	.98	.58	.80	.92	2.28	2.83	1.32	.92	.47	.26	.92	12.74
1945	.70	1.65	3.50	2.71	2.52	5.98	2.21	2.76	1.53	1.11	.46	.32	25.43

Note.-- Runoff for period October 1929 to September 1933 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1930	711	1,550	21	301	314	1.21	16.40	282	15.41
1931	711	2,920	14	448	461	1.77	24.05	455	24.44
1932	726	1,989	43	344	354	1.37	18.64	466	25.01
1933	741 1051	2,960	60	657	668	2.57	34.97	591	31.51
1934	781	2,350	12	455	468	1.80	24.42	396	21.36
1935	761	3,050	35	396	408	1.57	21.32	398	21.47
1936	801	2,940	39	448	461	1.77	24.13	557	29.80
1937	821	2,560	34	508	520	2.00	27.17	489	26.18
1938	851	2,420	61	576	586	2.25	30.60	573	30.44
1939	871	1,990	40	520	532	2.05	27.76	441	25.66
1940	891	2,620	26	455	467	1.80	24.41	483	25.66
1941	921	2,040	22	336	349	1.34	18.22	274	15.00
1942	961	2,040	20	271	286	1.10	14.92	329	17.98
1943	971	1,500	28	279	397	1.53	20.72	337	18.57
1944	1001	1,400	9	324	243	.935	12.74	296	16.55
1945	1031	2,180	43	468	487	1.87	25.43	-	-
1930 - 45	-	3,050	9	474	438	1.66	-	-	-

Note.-- Runoff for period October 1929 to September 1933 recomputed on basis of revised drainage area.

WADING RIVER NEAR NORTON, MASS.

Location.— Water-stage recorder, lat. 41°56'51", long. 71°10'38", 200 feet downstream from highway bridge, 0.9 mile upstream from confluence with Rumford River, and 1½ miles southeast of Norton, Bristol County. Datum of gage is 49.63 feet above mean sea level, datum of 1929. Prior to May 5, 1933, staff gage at same site.

Drainage area.— 42.4 square miles.

Records available.— June 1925 to September 1945.

Extremes.— 1925-45: Maximum discharge, 1,080 second-feet Mar., 12, 13, 1936 (gage height, 10.01 feet), from rating curve extended above 500 second-feet; minimum, 0.3 second-feet Sept. 10, 1926.

Remarks.— Flow regulated by power plants and ponds above station. Runoff in inches adjusted for occasional diversions made by city of Attleboro.

Cooperation.— Records prior to October 1927 and gage heights Oct. 1, 1927, to May 31, 1928, furnished by R. Loring Haywood.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1925	-	-	-	-	-	-	-	-	24.3	9.70	7.43	11.2	-
1926	11.8	61.8	113	77.4	118	188	128	66.7	34.0	11.5	16.2	6.11	69.1
1927	15.3	69.6	76.0	119	116	122	57.2	41.6	29.3	16.1	79.5	103	70.1
1928	66.9	102	147	93.9	113	94.4	98.8	104	76.4	66.4	26.8	23.6	84.4
1929	28.3	32.1	49.1	111	92.8	181	184	140	36.2	18.8	6.56	6.26	72.7
1930	6.67	17.6	26.9	79.3	95.5	96.0	67.3	35.5	28.5	8.05	5.07	1.76	39.5
1931	6.21	19.0	24.1	58.4	180	124	118	182	45.4	23.4	17.1	73.1	81.2
1932	8.12	12.6	24.8	85.6	68.9	116	127	47.8	18.7	11.1	14.7	21.0	46.2
1933	53.5	161	67.1	72.5	90.4	213	250	59.1	37.4	14.7	9.7	73.1	91.3
1934	54.3	43.8	61.3	148	52.2	165	187	83.5	39.1	12.3	6.55	9.78	72.2
1935	18.2	30.6	64.6	127	110	160	170	68.3	67.0	30.8	15.5	20.2	72.2
1936	7.16	28.4	26.9	123	89.2	354	177	61.5	27.1	8.42	5.80	20.0	78.3
1937	22.1	19.1	189	142	100	112	123	85.9	46.4	22.9	26.5	43.2	77.6
1938	41.9	93.0	189	125	118	102	85.0	68.2	101	225	70.5	65.7	105
1939	55.5	62.0	111	60.6	116	184	200	55.9	26.3	12.1	7.22	7.02	74.4
1940	7.13	35.2	30.6	49.6	52.7	191	249	99.4	64.9	32.4	7.73	5.86	68.7
1941	7.45	54.9	53.1	64.6	95.7	76.3	68.8	51.3	42.8	19.4	14.3	8.56	46.1
1942	7.41	11.9	21.6	37.3	86.8	235	82.4	41.8	20.1	28.3	20.5	9.83	50.2
1943	17.5	51.3	111	94.4	112	135	85.3	115	41.9	12.5	11.8	6.75	66.0
1944	10.3	24.1	14.1	17.0	28.4	88.5	120	56.9	32.5	12.5	4.58	32.6	26.7
1945	29.7	85.6	149	106	86.2	221	73.0	106	76.9	60.4	26.5	16.9	96.5

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1925	-	-	-	-	-	-	-	-	0.64	0.26	0.20	0.29	-
1926	0.32	1.83	3.08	2.11	2.90	5.11	3.37	1.81	.89	.31	.44	.16	22.13
1927	.42	1.83	2.06	2.44	2.85	3.32	1.51	1.13	.77	.44	2.17	2.71	22.45
1928	1.82	2.69	4.00	2.55	2.88	2.57	2.80	2.82	2.01	1.81	.73	.62	27.10
1929	.77	.84	1.34	3.02	2.28	4.92	4.84	3.80	.95	.51	.18	c1.18	c23.63
1930	c1.19	.46	1.00	2.16	2.54	2.81	1.77	.96	.75	.22	.14	.05	c12.65
1931	.19	.52	.68	1.61	2.02	4.92	3.29	3.24	4.82	1.26	.66	.47	23.68
1932	.24	.35	.69	2.35	1.77	3.18	3.35	1.81	.51	.32	.42	.57	15.06
1933	1.46	4.24	1.82	1.97	2.22	5.79	6.58	1.60	.98	.41	.27	1.93	29.27
1934	1.48	1.16	1.67	4.02	1.30	4.48	4.94	2.27	1.04	.38	.19	.26	23.19
1935	.49	.81	1.76	3.46	2.78	4.35	4.47	1.86	1.76	.85	.44	.53	23.51
1936	.20	.76	1.02	3.37	2.29	9.63	4.65	1.66	.72	.24	.17	.53	25.26
1937	.60	.50	5.14	3.86	2.46	3.04	3.24	2.28	1.22	.62	.72	1.14	24.82
1938	1.14	2.44	4.60	3.40	2.90	2.78	2.23	1.86	2.66	6.12	1.91	1.73	33.77
1939	1.51	1.63	3.02	1.65	2.85	5.00	5.27	1.52	.69	.33	.20	.19	26.86
1940	.19	.93	.83	1.35	1.34	5.20	6.55	2.70	1.71	.88	.21	.15	22.04
1941	.20	1.44	1.44	1.76	2.35	2.08	1.81	1.39	1.13	.53	.39	.23	14.75
1942	.20	.31	.59	1.01	1.23	6.39	2.17	1.14	.53	.77	.56	.26	16.06
1943	.48	1.35	3.02	2.57	2.75	3.68	2.24	3.12	1.10	.34	.32	.18	21.15
1944	.28	.63	.38	.46	.72	2.41	3.16	1.55	.86	.34	.12	.86	11.77
1945	.81	2.20	4.06	2.89	2.12	6.01	1.92	2.87	2.02	1.64	.72	.44	27.70

c Corrected.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30							Calendar year	
		Observed			Adjusted				Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches		Mean	Runoff in inches
1925	661	-	-	-	-	-	-	-	-	-
1926	661	344	0.3	69.1	-	1.63	22.13	66.9	21.41	
1927	661	308	1.6	70.1	-	1.65	22.45	83.1	26.65	
1928	661	270	9.5	84.4	-	1.99	27.10	67.1	21.54	
1929	681	480	2.6	73.7	c73.8	1.74	25.63	69.7	22.33	
1930	696	250	4	39.5	c39.6	.934	12.65	38.5	12.39	
1931	711	718	.8	73.1	73.9	1.74	25.68	72.8	23.57	
1932	726	457	2.2	46.2	46.9	1.11	15.06	65.9	21.30	
1933	741	467	3.3	91.3	91.4	2.16	29.27	81.3	26.06	
1934	781	456	2.5	72.2	72.4	1.71	23.19	68.5	21.94	
1935	781	461	5.8	73.2	73.4	1.72	23.51	69.8	22.43	
1936	801	978	3.0	78.3	78.7	1.86	25.26	91.8	29.52	
1937	821	461	5.2	77.6	77.6	1.83	24.82	82.7	26.76	
1938	851, 871	690	12	105	-	2.48	33.77	99.1	31.75	
1939	871	316	3.3	74.4	-	1.75	25.86	61.5	19.65	
1940	891	424	2.5	68.7	-	1.62	22.04	72.2	22.17	
1941	921	257	3.9	46.1	-	1.09	14.75	39.8	12.77	
1942	951	462	3.9	50.2	-	1.18	16.06	61.9	19.81	
1943	971	358	4.5	66.0	-	1.56	21.15	54.9	17.59	
1944	1001	285	2.4	36.7	-	.868	11.77	54.3	17.55	
1945	1031	381	7.6	86.5	-	2.04	27.70	-	-	-
1926-45	-	978	.3	69.1	69.2	1.63	-	-	-	-

c Corrected.

PROVIDENCE RIVER BASIN

BLACKSTONE RIVER AT WORCESTER, MASS.

Location.-- Water-stage recorder, lat. 42°15'55", long. 71°50'07", just downstream from Webster Street Bridge, in Worcester, Worcester County, one mile upstream from Beaver Brook. Datum of gage is 472.86 feet above mean sea level, datum of 1929.

Drainage area.-- 31.3 square miles.

Records available.-- August 1923 to September 1945.

Extremes.-- 1923-45: Maximum discharge, 2,520 second-feet Mar. 18, 1936 (gage height, 8.58 feet, from floodmarks), from rating curve extended above 550 second-feet; minimum, 0.2 second-foot (regulated) May 17, 1940.

Remarks.-- Runoff in inches adjusted for diversion for municipal supply of city of Worcester. Flow regulated by reservoirs above station. Runoff in inches may not represent natural flow because of regulation.

Monthly and annual mean discharge, in second-feet (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1923	-	-	-	-	-	-	-	-	-	-	-	8.82	-
1924	12.5	33.7	87.4	91.4	29.0	70.3	148	79.9	23.0	12.2	10.3	13.9	51.0
1925	13.8	12.8	15.3	9.73	70.2	96.4	66.4	29.0	14.4	12.9	9.98	8.48	29.7
1926	10.7	18.0	42.3	31.8	25.5	101	85.6	31.5	10.6	9.41	11.2	8.97	32.3
1927	10.8	26.8	22.3	41.2	43.0	75.4	25.4	29.2	25.3	10.5	30.1	27.9	30.6
1928	38.6	97.8	111	60.1	78.5	36.3	73.2	57.2	69.4	43.7	28.9	27.7	60.0
1929	18.5	18.4	22.5	35.7	51.1	84.5	121	99.9	28.0	14.1	8.84	7.77	42.4
1930	8.66	14.4	17.5	25.5	32.7	43.0	30.5	16.3	11.8	9.73	6.09	5.16	18.4
1931	4.32	9.84	6.77	10.3	22.2	106	70.8	41.3	97.2	17.3	14.4	10.8	34.2
1932	10.4	7.82	12.8	27.6	27.4	54.9	72.8	26.6	15.7	11.7	11.8	35.6	26.2
1933	61.0	119	40.2	47.7	58.2	115	195	30.3	24.5	11.8	12.1	59.5	64.3
1934	34.6	27.7	32.3	73.1	29.5	105	119	69.8	31.4	19.5	14.2	56.8	51.2
1935	60.4	45.8	58.6	115	57.4	113	91.9	46.0	53.5	22.2	15.8	22.2	58.9
1936	10.5	20.7	24.5	76.7	35.7	308	105	41.2	18.9	9.43	9.82	15.4	56.1
1937	19.2	15.9	96.3	99.0	61.9	58.8	78.7	64.9	23.0	15.7	17.3	18.3	47.7
1938	23.6	83.5	71.7	84.7	76.0	58.7	54.8	36.6	37.6	153	47.6	138	72.1
1939	49.9	48.6	98.9	49.2	71.1	119	124	35.3	19.2	11.8	13.0	9.60	54.0
1940	9.01	22.9	18.9	25.9	25.2	73.2	197	54.3	52.2	28.3	14.7	11.9	43.8
1941	10.8	28.6	35.6	27.8	49.9	43.4	38.4	20.4	14.1	8.56	11.7	9.53	24.7
1942	7.22	8.87	13.5	21.8	27.7	123	39.5	20.4	14.9	15.8	10.2	10.5	28.0
1943	13.6	24.7	48.3	36.5	61.2	107	58.3	104	26.1	14.5	13.0	11.7	43.2
1944	14.1	25.9	12.8	9.78	20.8	54.3	76.4	26.1	30.4	11.9	10.5	16.6	25.7
1945	12.5	20.6	38.3	43.3	40.2	114	53.1	106	60.9	20.6	18.3	14.7	45.3

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1923	-	-	-	-	-	-	-	-	-	-	-	0.67	-
1924	0.82	1.54	3.56	3.72	1.34	2.95	5.63	3.32	1.20	0.87	0.77	.86	26.58
1925	.88	.64	.66	.46	2.53	3.91	2.72	1.44	.87	.71	.49	.40	15.71
1926	.50	.90	1.83	1.52	1.19	4.09	3.50	1.67	.76	.77	.80	.69	18.22
1927	.53	1.10	1.18	1.89	1.68	3.01	1.20	1.40	1.23	.73	1.45	1.33	16.73
1928	1.78	3.83	4.42	2.55	3.06	1.72	2.97	2.50	2.87	2.03	1.50	1.41	30.64
1929	1.10	1.05	1.22	1.71	2.05	3.50	4.68	4.09	1.41	.95	.71	.52	23.00
1930	.48	.65	.80	1.24	1.42	1.89	1.37	.89	.62	.53	.35	.32	10.56
1931	.27	.46	.36	.62	1.06	4.23	2.92	1.90	3.85	.95	.85	.68	18.15
1932	.68	.55	.73	1.31	1.28	2.40	2.96	1.35	.83	.70	.64	1.43	14.86
1933	2.46	4.53	1.74	2.08	2.23	4.56	7.27	1.44	1.15	.62	.62	2.30	31.00
1934	1.50	1.24	1.46	3.04	1.35	4.23	4.60	2.94	1.44	1.01	.76	2.25	25.82
1935	2.52	1.91	2.42	4.53	2.21	4.50	3.60	2.02	2.19	1.09	.87	1.04	28.90
1936	.62	.97	1.19	3.12	1.48	11.53	4.10	1.94	1.01	.64	.64	.80	27.94
1937	.95	.89	3.86	4.01	2.42	2.77	5.24	2.78	1.38	.99	1.03	.92	25.03
1938	1.19	3.27	2.97	3.45	2.82	2.50	2.28	1.68	1.68	6.01	2.12	5.28	35.25
1939	2.17	2.06	3.98	2.16	2.68	4.72	4.78	1.66	1.06	.77	.73	.58	27.35
1940	.54	1.01	.90	1.16	1.13	3.08	7.42	2.40	2.26	1.18	.83	.69	22.60
1941	.66	1.25	1.56	1.31	1.98	1.99	1.78	1.15	.87	.68	.64	.48	14.35
1942	.38	.46	.74	1.08	1.08	4.89	1.80	.93	.74	.74	.64	.62	14.08
1943	.73	1.09	2.07	1.62	2.32	4.31	2.45	4.21	1.36	.84	.78	.84	22.37
1944	.78	1.12	.69	.57	.89	2.21	3.05	1.54	1.35	.74	.70	.85	14.22
1945	.68	.94	1.74	1.99	1.69	4.59	2.27	4.27	2.54	1.16	1.14	.92	23.83

Note.-- Monthly runoff in inches prior to October 1936 not previously published. Annual runoff recomputed on basis of monthly figures.

Annual discharge, in second-feet, of Blackstone River at Worcester, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1923	561	-	-	-	-	-	-	-	-
1924	581	483	2.4	51.0	61.1	1.95	26.58	43.3	22.84
1925	601	322	2.6	29.7	36.3	1.16	15.71	32.1	16.76
1926	621	210	5.0	32.3	42.0	1.34	18.22	31.4	17.80
1927	641	147	.8	30.6	38.6	1.23	16.78	46.3	23.95
1928	661	551	6.0	60.0	70.4	2.25	30.64	44.3	23.98
1929	681	542	.9	42.4	55.0	1.69	28.00	40.8	21.56
1930	696	100	1.0	18.4	24.3	.776	10.56	16.7	9.72
1931	711	626	1.2	34.2	41.9	1.34	18.15	35.0	19.02
1932	726	278	1.1	26.2	34.2	1.09	14.88	41.9	21.63
1933	741	480	1.6	64.3	71.4	2.28	31.00	56.8	26.47
1934	756	476	9.1	51.2	59.6	1.90	25.82	57.1	26.47
1935	781	605	5.0	58.9	67.0	2.14	28.90	49.7	24.85
1936	801	1,490	5.0	56.1	64.2	2.05	27.94	62.6	30.85
1937	821	296	1.1	47.7	57.8	1.85	25.03	51.6	26.77
1938	851	894	8.2	72.1	81.2	2.59	32.25	73.8	36.03
1939	871	309	5.6	54.0	63.0	2.01	27.35	41.6	21.57
1940	891	412	4.8	43.8	52.0	1.66	22.60	45.9	23.64
1941	921	180	5.0	24.7	33.0	1.05	14.35	20.9	12.44
1942	951	378	3.0	26.0	32.5	1.04	14.08	30.6	16.39
1943	971	213	7.2	43.2	51.6	1.65	22.87	40.3	21.02
1944	1001	258	5.5	25.7	32.7	1.04	14.22	27.3	15.04
1945	1031	276	8.5	45.3	55.2	1.76	28.96	-	-
1924 - 45	-	1,490	.8	42.6	51.0	1.63	-	-	-

BLACKSTONE RIVER AT NORTHBIDGE, MASS.

Location.-- Water-stage recorder, lat. 42°09'13", long. 71°29'09", at Northbridge, Worcester County, 800 feet downstream from Paul Whitin Co. dam, and 3 miles downstream from Quinsigamond River.

Drainage area.-- 139 square miles.

Records available.-- December 1939 to September 1945.

Extremes.-- 1939-45: Maximum discharge, 1,820 second-feet Jan. 15, 1940 (regulated) and Mar. 31, 1940; maximum gage height, 8.13 feet Jan. 15, 1940; minimum daily discharge, 2 second-feet (regulated) Aug. 29, 1941, Sept. 5, 1942.
Maximum discharge known, 7,510 second-feet Mar. 19, 1936 (gage height 13.7 feet, from flood-marks), by computation of flow over dam 800 feet above station.

Remarks.-- Flow regulated by mills and reservoirs above station. Runoff in inches adjusted for diversion from Nashua River Basin to Blackstone River Basin for supply of city of Worcester.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	175	159	428	920	370	316	170	95.6	97.0	-
1941	62.2	187	216	178	280	250	211	123	119	93.8	69.3	61.3	155
1942	53.5	67.7	86.9	133	206	615	261	152	127	117	103	84.2	167
1943	95.1	165	342	242	351	502	295	430	209	114	91.8	56.8	241
1944	90.9	175	119	93.8	153	292	391	190	174	99.8	87.0	110	164
1945	78.9	125	214	268	223	554	288	492	358	167	150	104	262

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	1.32	1.13	3.51	7.36	2.99	2.46	1.32	0.62	0.54	-
1941	0.49	1.39	1.62	1.40	2.01	1.90	1.67	.87	.78	.52	.31	.24	13.15
1942	.29	.39	.55	.91	1.40	4.93	1.96	1.06	.81	.78	.68	.53	14.29
1943	.53	1.16	2.68	1.89	2.46	4.11	2.24	3.53	1.57	.76	.52	.17	21.62
1944	.60	1.15	.81	.55	.86	2.22	3.06	1.42	1.23	.59	.45	.68	13.70
1945	.40	.72	1.58	2.16	1.56	4.60	2.17	3.97	2.80	1.22	1.14	.67	22.99

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1940	891	-	-	-	-	-	-	267	24.75
1941	921	1,080	2	155	135	0.971	13.15	132	10.66
1942	951	1,250	2	187	146	1.05	14.29	200	17.43
1943	971	1,080	9	241	221	1.59	21.62	222	19.81
1944	1001	1,060	9.5	164	140	1.01	13.70	167	13.84
1945	1031	1,140	10	252	235	1.69	22.99	-	-
1941 - 45	-	1,250	2	196	175	1.26	-	-	-

BLACKSTONE RIVER AT WOONSOCKET, R. I.

Location.-- Water-stage recorder, lat. 42°00'22", long. 71°30'13", in Woonsocket, Providence County, 50 feet downstream from Peters River. Datum of gage is 107.42 feet above mean sea level, datum of 1929.

Drainage area.-- 416 square miles.

Records available.-- February 1929 to September 1945.

Extremes.-- 1929-45: Maximum discharge, 15,100 second-feet July 24, 1938 (gage height, 14.43 feet); minimum daily, 21 second-feet (regulated) Aug. 11, 1934, flow diverted around station in Hamlet Trench not included.

Remarks.-- Flow regulated by power plants and reservoirs above station. Records include flow diverted around station in Hamlet Trench. Runoff in inches adjusted for diversion from Nashua River Basin to Blackstone River Basin for supply of city of Worcester, Mass.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1929	-	-	-	-	-	1,480	1,730	1,200	397	284	180	195	-
1930	207	224	296	529	624	792	625	803	181	186	129	180	546
1931	136	224	218	298	494	1,760	1,190	824	1,510	405	318	240	634
1932	128	127	193	580	555	740	1,180	436	250	147	162	533	419
1933	838	1,720	674	717	668	1,830	2,520	598	394	191	192	625	927
1934	455	358	499	1,114	426	1,539	1,924	1,040	501	240	224	403	728
1935	659	557	754	1,532	879	1,492	1,497	711	821	419	244	296	822
1936	165	245	364	946	499	4,063	1,622	700	280	171	201	367	806
1937	428	414	1,824	1,608	1,048	991	1,096	845	472	276	283	368	804
1938	328	1,115	1,860	1,405	1,176	952	830	981	1,080	2,453	965	1,427	1,141
1939	885	747	1,289	765	1,089	1,645	1,851	593	363	193	229	252	823
1940	190	433	413	487	458	1,190	2,518	978	817	412	197	208	690
1941	211	530	619	608	975	792	714	487	376	243	167	143	485
1942	137	200	269	439	707	1,955	802	477	379	356	250	163	511
1943	226	438	1,175	842	1,095	1,547	890	1,249	484	246	192	121	708
1944	225	436	280	236	584	816	1,223	574	426	213	154	405	446
1945	269	511	1,039	910	795	1,882	855	1,364	929	482	291	252	799

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1929	-	-	-	-	-	4.10	4.63	3.33	1.04	0.60	0.50	0.46	-
1930	0.51	0.52	0.77	1.44	1.54	2.16	1.67	.79	.38	.32	.29	.23	10.62
1931	.32	.58	.53	.60	1.21	4.88	3.19	2.28	4.15	1.10	.86	.60	20.50
1932	.28	.54	.47	1.60	1.43	2.03	3.15	1.20	.63	.35	.46	1.40	13.34
1933	2.29	4.61	1.87	1.97	2.17	5.06	6.76	1.64	1.01	.50	.45	1.68	29.99
1934	1.23	.90	1.58	3.06	1.05	4.24	5.16	2.86	1.32	.61	.59	1.05	23.45
1935	1.80	1.47	2.06	4.24	2.19	4.18	4.02	1.95	2.20	1.12	.68	.74	26.55
1936	.41	.60	.97	2.62	1.27	11.24	4.34	1.90	.73	.40	.49	.93	25.90
1937	1.11	1.05	5.05	4.46	2.62	2.72	2.93	2.34	1.23	.74	.73	.96	25.94
1938	.85	2.99	3.77	3.90	2.95	2.62	2.21	1.87	2.73	6.79	2.56	3.82	37.06
1939	2.46	2.00	3.57	2.12	2.69	4.55	4.96	1.63	.94	.46	.56	.60	26.54
1940	.46	1.08	1.10	1.30	1.15	3.28	6.75	2.68	2.17	1.11	.49	.48	22.05
1941	.52	1.28	1.66	1.66	2.41	2.14	1.91	1.30	.93	.59	.38	.30	15.18
1942	.33	.48	.69	1.15	1.72	5.36	2.11	1.25	.95	.92	.63	.39	15.98
1943	.54	1.12	3.20	2.29	2.69	4.27	2.54	3.45	1.26	.62	.45	.23	22.46
1944	.57	1.08	.72	.58	.92	2.19	3.25	1.54	1.09	.51	.33	1.02	18.80
1945	.66	1.28	2.82	2.50	1.95	5.22	2.24	3.74	2.49	1.28	.77	.57	25.52

Note.-- Monthly runoff in inches prior to October 1936 not previously published; annual runoff in inches recomputed on basis of monthly figures.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1929	681	-	-	-	-	-	-	-	-
1930	696	1,790	42	346	326	0.784	10.62	334	10.25
1931	711, 1051	7,380	36	634	625	1.50	20.50	624	20.16
1932	726	3,700	47	419	408	.981	13.34	650	21.02
1933	741	5,390	30	927	919	2.21	29.99	767	24.73
1934	756	5,850	21	728	719	1.73	23.45	784	25.27
1935	781	6,700	84	822	813	1.95	26.55	722	23.20
1936	801	14,000	50	806	792	1.90	25.90	965	21.13
1937	821	5,300	51	804	795	1.91	25.94	814	26.34
1938	851, 871	13,700	36	1,141	1,135	2.73	37.06	1,152	37.48
1939	871	8,250	52	822	812	1.95	26.54	664	21.15
1940	891	5,340	48	690	674	1.62	22.05	717	22.97
1941	921	3,300	42	485	465	1.12	15.18	422	13.12
1942	951	4,720	48	511	490	1.18	15.98	615	19.34
1943	971	4,100	45	708	688	1.65	22.46	632	19.97
1944	1001	3,260	45	446	422	1.01	13.80	520	16.19
1945	1031	3,100	92	799	782	1.88	25.52	-	-
1930 - 45	-	14,000	21	693	679	1.63	-	-	-

QUINSIGAMOND RIVER AT NORTH GRAFTON, MASS.

Location.- Water-stage recorder, lat. 42°13'49", long. 71°42'41", 800 feet downstream from dam at outlet of Flint Pond in North Grafton, Worcester County, and 0.3 mile upstream from Bummet Brook.

Drainage area.- 25.5 square miles.

Records available.- October 1939 to September 1945.

Extremes (regulated).- 1939-45: Maximum discharge, 212 second-feet Dec. 8, 1942, June 18, 1943; maximum gage height, 2.96 feet June 18, 1943; minimum daily discharge, 0.3 second-foot Oct. 14-17, 1942.

Remarks.- Runoff in inches may not represent natural flow because of regulation by lakes above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	9.61	20.7	19.4	25.6	28.6	60.5	132	67.3	56.4	31.6	16.8	9.84	39.7
1941	11.4	27.1	33.3	34.5	46.2	43.0	30.7	21.6	19.5	12.8	4.75	2.01	23.7
1942	1.74	1.80	3.07	9.85	29.3	104	53.7	28.0	23.8	24.7	21.3	7.08	25.7
1943	1.22	10.6	67.5	49.5	57.4	91.9	58.5	64.8	45.2	14.9	12.3	4.97	39.9
1944	11.2	34.2	26.8	16.3	26.0	50.1	56.8	43.3	24.6	20.3	5.82	10.5	27.1
1945	9.46	14.8	36.8	44.5	32.1	98.4	57.4	86.5	70.2	43.4	20.5	11.0	43.7

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	0.43	0.91	0.88	1.16	1.21	2.73	5.76	3.04	2.47	1.43	0.76	0.43	21.21
1941	.51	1.18	1.51	1.56	1.89	1.95	1.34	.98	.85	.57	.21	.09	12.64
1942	.08	.08	.14	.45	1.20	4.68	2.35	1.27	1.04	1.12	.96	.31	13.68
1943	.06	.46	3.05	2.24	2.34	4.15	2.56	2.93	1.98	.67	.56	.22	21.22
1944	.51	1.50	1.21	.74	1.10	2.26	2.49	1.96	1.07	.92	.26	.46	14.48
1945	.43	.65	1.66	2.01	1.31	4.36	2.51	3.91	3.07	1.96	.93	.48	23.28

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1940	891	161	1.6	39.7	1.56	21.21	41.6	22.19
1941	921	84	.6	23.7	.929	12.64	18.3	9.74
1942	951	176	.7	25.7	1.01	13.68	31.8	16.95
1943	971	191	.3	39.9	1.56	21.22	39.2	20.87
1944	1001	151	2.7	27.1	1.06	14.48	26.2	14.00
1945	1031	151	4.9	43.7	1.71	23.28	-	-
1940 - 45	-	181	.3	33.3	1.31	-	-	-

MUMFORD RIVER AT EAST DOUGLAS, MASS.

Location.- Water-stage recorder, lat. 42°04'24", long. 71°42'58", 100 feet upstream from Manchaug Road bridge in East Douglas, Worcester County, and 0.1 mile downstream from Southwick Brook. Datum of gage is 367.01 feet above mean sea level, datum of 1929 (levels by Corps of Engineers, U. S. Army).

Drainage area.- 27.8 square miles.

Records available.- July 1939 to September 1945.

Extremes.- 1939-45: Maximum discharge, 362 second-feet Sept. 15, 1944; maximum gage height, 5.09 feet Mar. 25, 1940 (ice jam); minimum discharge, 2.2 second-feet (regulated) Feb. 1, 2, Aug. 28, 1944; minimum daily, 3.0 second-feet (regulated) Aug. 12, 1942.

Remarks.- Runoff in inches may not represent natural flow because of regulation by mills and by Manchaug, Stevens, and Willis Ponds.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	-	32.8	31.6	-
1940	39.4	40.5	43.9	49.2	43.8	55.7	110	71.6	61.1	36.4	31.1	30.8	51.0
1941	30.5	38.1	38.5	36.9	50.6	41.6	41.5	31.5	21.9	14.6	15.8	14.4	31.2
1942	21.6	18.6	22.4	36.4	52.9	93.6	60.5	44.3	40.1	27.6	11.6	24.3	37.7
1943	26.9	38.1	62.8	47.1	63.5	96.5	62.1	99.1	43.8	26.7	26.3	26.8	51.6
1944	32.2	40.8	30.0	9.27	15.3	33.0	58.0	41.5	37.6	26.4	19.7	34.8	31.5
1945	29.2	44.5	75.2	83.7	84.0	106	51.6	93.0	62.6	32.9	27.6	24.1	59.5

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	-	1.26	1.27	-
1940	1.63	1.63	1.82	2.04	1.70	2.31	4.40	2.97	2.45	1.51	1.29	1.23	24.98
1941	1.27	1.53	1.59	1.53	1.90	1.73	1.67	1.30	.88	.60	.65	.59	15.23
1942	.90	.75	.93	1.51	1.98	3.89	2.43	1.84	1.61	1.15	.48	.98	18.44
1943	1.12	1.53	2.60	1.95	2.38	4.00	2.49	4.11	1.76	1.11	1.09	1.07	25.21
1944	1.34	1.64	1.24	.38	.59	1.27	2.33	1.72	1.51	1.09	.82	1.40	15.43
1945	1.21	1.79	3.12	3.47	3.15	4.40	2.07	3.86	2.51	1.36	1.14	.97	29.05

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Runoff in inches
1939	891	-	-	-	-	-	-
1940	891	200	9	51.0	1.83	24.98	49.6
1941	921	162	4.0	31.2	1.12	15.23	27.5
1942	951	188	3.0	37.7	1.36	18.44	43.2
1943	971	242	4.5	51.6	1.86	25.21	49.5
1944	1001	190	3.1	31.5	1.13	15.43	35.4
1945	1031	181	4.8	59.5	2.14	29.05	-
1940-45	-	242	3.0	43.8	1.58	-	-

THAMES RIVER BASIN

QUINEBAUG RIVER AT WESTVILLE, MASS.

Location.— Water-stage recorder, lat. 42°04'23", long. 72°04'28", 350 feet upstream from highway bridge, 0.45 mile downstream from Breakneck Brook, 0.6 mile west of Westville, Worcester County, and 1 3/4 miles west of Southbridge. Datum of gage is 537.66 feet above mean sea level, unadjusted (levels by Corps of Engineers, U. S. Army).

Drainage area.— 93.8 square miles.

Records available.— July 1939 to September 1945.

Extremes.— 1939-45: Maximum discharge, 1,450 second-feet Apr. 13, 1940 (gage height, 6.89 feet); minimum, 3.9 second-feet (regulated) Dec. 9, 1939 (gage height, 1.93 feet); minimum daily, 8.5 second-feet (regulated) Sept. 10, 1944.

Remarks.— Runoff in inches may not represent natural flow because of regulation by mills and reservoirs above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	—	—	—	—	—	—	—	—	—	—	49.4	49.8	—
1940	52.6	95.0	105	131	101	198	799	245	240	115	57.2	57.1	182
1941	35.3	92.1	118	114	194	152	156	96.7	100	51.6	82.2	54.0	101
1942	37.7	45.8	58.8	79.6	101	483	176	117	86.4	88.9	66.8	65.0	116
1943	52.9	124	181	198	219	446	210	353	130	85.6	56.9	35.6	171
1944	44.5	110	90.2	82.1	72.2	179	329	149	124	84.8	43.0	65.6	110
1945	65.1	76.2	158	179	145	420	206	348	215	105	87.2	72.2	174

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	—	—	—	—	—	—	—	—	—	—	0.61	0.58	—
1940	0.65	1.13	1.29	1.61	1.16	2.44	9.50	3.01	2.86	1.41	.70	.68	26.44
1941	.43	1.10	1.46	1.40	2.15	1.87	1.86	1.19	1.19	.63	.76	.64	14.68
1942	.46	.54	.78	.98	1.12	5.69	2.09	1.44	1.03	1.09	.82	.75	16.79
1943	.65	1.48	2.22	2.43	2.43	5.49	2.50	4.09	1.55	.81	.70	.42	24.77
1944	.55	1.81	1.11	.64	.85	2.21	3.92	1.88	1.48	.80	.53	.78	15.99
1945	.80	.91	1.95	2.19	1.61	5.16	2.44	4.28	2.56	1.29	1.07	.86	25.12

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1939	891	—	—	—	—	—	—	—
1940	891	1,330	18	182	1.94	26.44	182	26.36
1941	921	530	20	101	1.08	14.68	93.2	13.47
1942	951	780	16	116	1.24	16.79	134	19.36
1943	971	720	12	171	1.82	24.77	162	23.39
1944	1001	736	8.5	110	1.17	15.99	115	16.68
1945	1031	530	31	174	1.86	25.12	—	—
1940-45	—	1,330	8.5	142	1.51	—	—	—

QUINEBAUG RIVER AT QUINEBAUG, CONN.

Location.-- Water-stage recorder, lat. 42°01'20", long. 71°57'15", at Quinebaug, Windham County, 500 feet upstream from highway bridge, a quarter of a mile downstream from Massachusetts-Connecticut State line, and 7 miles upstream from French River.

Drainage area.-- 157 square miles.

Records available.-- September 1931 to September 1945.

Extremes.-- 1931-45: Maximum discharge, 14,100 second-feet Sept. 21, 1938 (gage height, 16.21 feet, from floodmark), by computation of flow through bridge opening and over roadway 500 feet downstream; minimum, 0.6 second-foot (regulated) July 4, 1939; minimum daily, 2 second-foot (regulated) Nov. 22, 1931, July 30, 1939; minimum gage height, 1.74 feet Aug. 12, 1940.

Remarks.-- Flow regulated by mills above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1932	55.8	49.4	86.9	207	211	304	477	152	90.6	51.6	60.9	115	155
1933	202	485	226	265	351	559	892	200	125	64.5	84.8	340	311
1934	189	156	200	375	135	528	620	343	222	78.4	71.0	192	260
1935	297	264	332	469	282	602	455	245	314	157	82.1	86.6	298
1936	36.5	72.4	88.4	325	177	1,669	575	287	112	60.7	53.2	79.9	296
1937	141	115	587	592	378	374	455	329	159	107	122	168	292
1938	175	496	488	486	388	324	306	256	342	700	329	1,296	464
1939	302	236	444	200	379	540	650	182	71.3	47.2	99.1	87.8	275
1940	86.0	208	212	247	156	361	1,239	378	355	183	80.9	72.7	297
1941	51.1	220	258	223	244	250	258	177	164	107	65.1	89.4	163
1942	44.7	66.5	127	177	214	784	286	167	134	116	91.3	71.5	190
1943	69.2	219	356	306	380	709	343	529	182	70.2	58.7	34.8	270
1944	65.6	214	113	75.8	125	334	574	238	192	84.5	51.1	123	182
1945	100	181	300	527	228	689	347	565	307	142	105	73.9	279

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1932	0.41	0.35	0.64	1.82	1.44	2.24	3.29	1.12	0.64	0.38	0.45	0.82	13.40
1933	1.49	3.44	1.66	1.95	2.20	4.10	6.54	1.46	.87	.47	.48	2.42	26.88
1934	1.36	1.11	1.46	2.76	.90	3.87	4.41	2.51	1.57	.56	.52	1.36	22.41
1935	1.96	2.02	2.45	3.45	1.87	4.42	6.22	1.80	2.23	1.15	.60	.63	25.78
1936	.26	.51	.85	2.39	1.22	12.22	4.08	2.11	.80	.45	.39	.57	25.65
1937	1.04	.82	4.09	4.35	2.51	2.74	3.24	2.42	1.13	.79	.87	1.19	25.29
1938	1.27	3.53	3.58	3.57	2.57	2.58	2.16	1.88	2.43	5.14	2.42	9.20	40.15
1939	2.21	1.67	3.26	1.81	2.51	3.97	4.82	1.41	.51	.35	.73	.62	23.77
1940	.68	1.47	1.56	1.81	1.07	2.65	8.80	2.78	2.52	1.35	.59	.52	25.75
1941	.37	1.56	1.89	1.84	2.28	1.83	1.83	1.30	1.16	.79	.63	.49	15.77
1942	.33	.47	.93	1.80	1.42	5.75	2.05	1.22	.95	.85	.97	.51	16.43
1943	.51	1.55	2.47	2.25	2.52	5.21	2.43	3.88	1.28	.52	.48	.25	28.81
1944	.48	1.52	.87	.54	.88	2.46	4.08	1.75	1.36	.62	.37	.87	15.78
1945	.73	1.07	2.20	2.40	1.51	5.06	2.47	4.14	2.18	1.04	.77	.56	24.11

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Runoff in inches
1931	741	-	-	-	-	-	-
1932	741	1,120	2	155	0.987	13.40	214
1933	741	1,440	3	311	1.98	26.88	281
1934	756	1,760	7	260	1.66	22.41	298
1935	761	1,700	3	298	1.90	25.78	240
1936	801	7,190	6	296	1.88	25.65	348
1937	821	1,440	14	202	1.06	25.29	321
1938	851	9,620	13	464	2.96	40.15	450
1939	871	1,240	2	275	1.75	23.77	235
1940	891	2,280	17	297	1.89	25.75	299
1941	921	1,120	18	183	1.17	15.77	156
1942	951	1,460	13	190	1.21	16.43	223
1943	971	1,200	11	270	1.72	23.21	250
1944	1001	1,280	12	182	1.16	15.78	195
1945	1031	1,130	27	279	1.78	24.11	-
1932 - 45	-	9,620	2	268	-	-	-

HYDROLOGY OF MASSACHUSETTS

LITTLE RIVER AT BUFFUMVILLE, MASS.

Location.- Water-stage recorder, lat. 42°06'57", long. 71°53'26", 0.6 mile upstream from Boston & Albany Railroad bridge, 0.6 mile upstream from mouth, 0.8 mile east of Buffumville, Worcester County, and 1.5 miles west of Oxford. Datum of gage is 457.00 feet above mean sea level, unadjusted (levels by Corps of Engineers, U. S. Army).

Drainage area.- 27.7 square miles.

Records available.- July 1939 to September 1945.

Extremes.- 1939-45: Maximum discharge, 620 second-feet Apr. 13, 1940 (gage height, 5.35 feet), from rating curve extended above 280 second-feet by logarithmic plotting; minimum, 0.9 second-foot (regulated) on several days in 1939 and 1941.

Remarks.- Flow regulated by mill above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	-	17.3	11.2	-
1940	10.3	50.6	31.8	47.3	33.1	63.6	251	76.1	55.8	32.6	10.7	8.02	55.7
1941	5.75	30.5	37.9	42.5	45.1	42.1	51.9	27.3	18.4	13.5	9.53	7.73	27.5
1942	5.33	8.58	13.7	23.5	25.6	148	57.8	26.4	22.3	17.8	14.1	20.4	32.0
1943	11.2	32.1	52.9	41.7	55.9	119	72.9	94.6	37.5	14.8	12.9	6.77	46.0
1944	7.62	33.2	13.4	8.01	16.1	51.5	99.2	39.9	37.8	12.0	4.21	23.6	28.7
1945	13.5	28.6	51.7	60.3	48.8	136	64.7	105	64.6	21.3	12.5	4.92	51.1

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	-	0.72	0.45	-
1940	0.43	2.04	1.32	1.97	1.29	2.65	10.12	3.17	2.25	1.36	.45	.32	27.37
1941	.24	1.23	1.58	1.77	1.69	1.75	2.09	1.14	.74	.56	.40	.31	13.50
1942	.22	.35	.57	.98	.96	6.14	2.33	1.10	.90	.74	.59	.82	15.70
1943	.47	1.29	2.20	1.73	2.10	4.94	2.93	3.94	1.51	.61	.54	.27	22.53
1944	.32	1.34	.56	.33	.63	2.14	4.00	1.66	1.52	.50	.18	.95	14.13
1945	.56	1.15	2.15	2.51	1.84	5.67	2.61	4.36	2.60	.88	.52	.20	25.05

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1939	891	-	-	-	-	-	-	-
1940	891	540	0.9	55.7	2.01	27.37	54.1	26.63
1941	921	148	.9	27.5	.993	13.50	23.7	11.59
1942	951	366	.9	32.0	1.16	15.70	37.8	18.52
1943	971	224	1.4	46.0	1.66	22.53	42.4	20.79
1944	1001	302	1.7	28.7	1.04	14.13	32.1	15.77
1945	1031	295	1.1	51.1	1.84	25.05	-	-
1940 - 45	-	540	.9	40.2	1.45	-	-	-

CONNECTICUT RIVER BASIN

CONNECTICUT RIVER AT TURNERS FALLS, MASS.

Location.- Lat. 42°36'40", long. 72°33'20", at dam of Western Massachusetts Electric Co., Turners Falls, Franklin County, just upstream from Falls River.

Drainage area.- 7,183 square miles.

Records available.- January 1915 to September 1945.

Remarks.- Discharge is computed by adding flow over and through dam, flow for factories through canal that diverts around dam, and flow through power stations 1 and 2 of Western Massachusetts Electric Co. Runoff in inches adjusted for change in contents in First Connecticut and Second Connecticut Lakes (since October 1916), Lake Francis (since March 1940), Comerford Station Pond (since August 1920), four reservoirs in Mascoma River Basin (since October 1928), Sunapee Lake (since October 1928), Surry Mountain Reservoir (since November 1942), and Birch Hill Reservoir (since October 1943).

Cooperation.- Records furnished by Western Massachusetts Electric Co.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1915	-	-	-	6,280	13,600	10,300	19,800	9,800	4,030	16,400	14,300	4,580	-
1916	4,620	6,090	9,480	12,600	14,200	10,100	36,900	19,500	16,700	9,970	5,540	4,800	12,500
1917	5,980	6,980	10,700	6,450	4,200	14,000	32,800	20,100	22,400	6,980	7,100	4,390	11,800
1918	8,180	10,100	3,750	2,980	4,950	15,400	33,900	17,500	7,550	4,500	3,710	7,850	10,000
1919	13,700	15,800	12,000	9,090	5,150	23,400	27,800	22,300	6,090	3,180	2,020	5,570	12,200
1920	7,930	17,200	10,400	3,540	2,750	22,900	52,000	23,700	7,620	5,080	4,390	4,760	13,500
1921	8,230	8,880	20,900	8,280	5,210	41,000	24,300	11,600	3,540	5,390	3,400	1,560	11,900
1922	3,190	7,880	9,510	4,480	4,580	24,800	50,800	18,000	19,200	11,100	5,800	4,440	13,600
1923	3,940	4,510	2,750	7,060	4,150	10,100	33,900	25,400	6,930	8,210	2,100	2,370	9,560
1924	4,750	10,200	16,500	12,400	5,410	8,010	38,600	28,300	5,890	4,250	6,650	11,600	12,800
1925	5,340	7,540	7,050	3,100	15,700	28,300	26,200	12,400	7,130	9,060	4,370	5,960	11,000
1926	12,700	19,800	11,200	6,560	5,000	8,120	32,700	25,000	9,980	6,190	3,410	4,090	12,100
1927	8,440	16,300	7,170	5,620	5,600	22,200	17,300	14,100	6,510	4,000	3,980	4,190	9,630
1928	11,400	36,800	23,600	12,700	10,100	13,200	35,500	26,800	16,300	7,350	8,490	7,060	17,400
1929	7,550	7,950	7,170	8,390	5,600	25,200	37,800	27,200	8,040	5,240	3,690	3,820	12,300
1930	3,710	5,460	4,630	9,670	9,210	18,100	21,900	15,100	12,400	5,560	3,280	2,290	9,240
1931	2,580	5,300	4,590	8,000	2,780	8,010	30,100	17,600	13,500	8,400	3,680	5,020	8,700
1932	4,880	7,390	8,520	14,600	8,650	6,930	41,200	13,000	5,120	6,870	3,990	4,030	10,400
1933	7,000	16,200	7,570	7,740	6,430	7,600	50,400	18,400	5,300	2,480	5,590	4,830	11,700
1934	5,994	6,176	6,656	6,487	3,958	10,890	52,540	15,840	7,091	3,115	2,338	3,959	10,400
1935	4,601	11,650	9,939	15,170	6,468	17,120	27,020	19,170	13,390	8,727	3,462	3,342	11,640
1936	3,550	7,841	7,312	7,070	4,240	64,400	31,610	18,050	4,354	3,339	2,204	3,614	13,190
1937	8,670	9,904	15,170	18,790	12,450	7,586	33,570	38,490	13,150	7,008	3,763	2,792	14,120
1938	6,119	12,930	11,180	11,010	13,310	17,250	25,050	12,640	5,420	8,424	7,574	27,700	13,160
1939	10,200	9,262	24,190	8,233	7,314	11,790	41,220	26,710	7,768	4,195	3,855	2,305	13,110
1940	4,597	7,966	5,673	2,931	2,224	3,423	43,670	41,080	12,570	5,443	2,392	4,495	11,360
1941	3,287	12,920	9,188	8,897	8,174	5,467	23,670	6,954	4,217	4,847	2,652	2,759	7,714
1942	3,954	6,889	5,486	7,199	3,752	17,890	35,720	15,710	11,950	4,010	1,918	2,585	9,753
1943	4,317	11,240	8,695	5,538	7,006	17,580	25,800	34,770	13,230	5,680	9,431	6,456	12,490
1944	7,984	17,790	7,098	4,505	4,276	10,390	35,520	21,920	9,847	4,812	2,805	4,509	10,980
1945	7,700	7,627	7,141	9,191	6,168	33,790	31,300	31,730	16,270	11,160	4,165	6,256	14,430

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1915	-	-	-	1.01	1.98	1.66	3.08	1.58	0.63	2.64	2.31	0.71	-
1916	0.74	0.85	1.52	2.03	2.14	1.63	5.75	3.14	2.60	1.60	.89	.75	23.74
1917	1.06	1.06	1.71	1.02	.60	2.25	5.12	3.33	3.49	1.11	1.15	.67	22.45
1918	1.28	1.58	.56	.44	.71	2.46	5.22	2.86	1.16	.73	.55	1.20	18.87
1919	2.27	2.48	1.95	1.44	.68	3.75	4.40	3.62	1.92	.47	.30	.87	23.15
1920	1.29	2.72	1.67	.48	.39	3.69	8.18	3.86	1.15	.83	.66	.71	25.63
1921	1.31	1.40	3.40	1.34	.73	6.68	3.78	1.82	.54	.86	.49	.23	22.58
1922	.52	1.25	1.53	.69	.65	4.01	8.02	2.94	3.00	1.79	.85	.63	25.88
1923	.56	.68	.45	1.14	.57	1.61	6.29	4.17	1.07	.49	.30	.31	17.94
1924	.76	1.62	3.00	2.02	.77	1.27	6.06	4.67	.85	.68	.57	1.84	24.12
1925	.81	1.15	1.14	.43	2.30	4.59	4.16	1.98	1.14	1.46	.68	.92	20.76
1926	2.09	3.10	1.79	1.05	.69	1.19	5.11	4.17	1.54	.99	.51	.52	22.75
1927	1.38	2.57	1.15	.84	.77	3.58	2.77	2.23	1.04	.65	.60	.58	18.26
1928	1.87	5.81	3.79	1.98	1.41	2.12	5.59	4.44	2.54	1.16	1.35	1.11	33.17
1929	1.23	1.20	1.05	1.34	.76	4.10	6.01	4.44	1.23	.77	.52	.55	23.20
1930	.59	.88	.67	1.59	1.34	2.96	3.47	2.49	1.92	.87	.56	.40	17.74
1931	.36	.85	.69	.40	.37	1.27	4.84	2.94	2.12	1.36	.58	.81	16.59
1932	.77	1.13	1.30	2.33	1.21	1.05	6.57	2.20	.78	1.13	.59	.60	19.66
1933	1.15	2.67	1.13	1.22	.86	1.18	8.07	3.06	.79	.39	.86	.73	22.31
1934	.97	.94	.99	.96	.52	1.74	8.42	2.62	1.10	.47	.32	.63	19.68
1935	.73	1.84	1.44	2.41	.82	2.77	4.35	3.17	2.15	1.58	.50	.52	22.08
1936	.53	1.26	1.09	1.07	.57	10.56	4.96	2.95	.64	.54	.33	.54	25.04
1937	1.42	1.52	2.08	3.04	1.73	1.10	5.39	6.32	2.06	1.12	.58	.40	26.77
1938	.99	2.03	1.73	1.72	1.86	2.77	4.03	2.10	.84	1.40	1.20	4.35	25.02
1939	1.56	1.41	3.88	1.20	1.06	1.84	6.57	4.44	1.22	.67	.56	.35	24.76
1940	.76	1.22	.83	.37	.31	.51	6.97	6.68	2.00	.99	.37	.71	21.83
1941	.48	2.08	1.36	1.34	1.08	.75	3.93	1.16	.67	.82	.40	.37	14.44
1942	.69	1.14	.86	1.03	.44	2.92	5.83	2.66	1.85	.63	.29	.38	18.72
1943	.69	1.72	1.28	.79	.98	2.75	4.08	5.90	2.07	.90	1.51	.97	23.64
1944	1.32	2.76	1.04	.60	.56	1.56	5.69	3.73	1.60	.76	.40	.71	20.73
1945	1.30	1.13	1.04	1.40	.79	5.56	5.10	5.20	2.50	1.79	.64	1.00	27.45

Note.- Runoff for period January 1915 to September 1939 recomputed on basis of revised drainage area.

Annual discharge, in second-feet, of Connecticut River at Turners Falls, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1915	661	-	-	-	-	-	-	9,920	18.81
1916	661	64,300	918	12,500	-	1.75	23.74	12,790	24.24
1917	661	54,800	533	11,800	11,900	1.66	22.45	11,690	22.16
1918	661	81,800	552	10,000	9,980	1.39	18.87	11,660	22.15
1919	661	70,500	193	12,200	12,200	1.70	23.15	11,700	22.13
1920	661	75,700	241	13,500	13,500	1.88	25.83	13,750	26.06
1921	661	76,000	148	11,900	11,900	1.66	22.58	10,460	19.77
1922	661	114,000	196	13,600	13,700	1.91	25.88	12,820	24.27
1923	661	72,100	215	9,360	9,520	1.30	17.64	11,240	21.33
1924	661	62,100	193	12,600	12,700	1.77	24.12	11,480	21.84
1925	661	66,600	140	11,000	11,000	1.54	20.76	12,950	24.64
1926	661	73,800	140	12,100	12,000	1.68	22.75	11,070	20.87
1927	661	90,600	525	9,660	9,650	1.35	15.26	12,970	24.83
1928	661	152,000	126	17,400	17,500	2.44	33.17	15,340	25.18
1929	681	64,200	270	12,300	12,200	1.70	23.20	11,560	21.86
1930	696	44,000	373	9,240	9,350	1.31	17.74	9,150	17.50
1931	711	52,900	216	6,700	6,750	1.22	16.59	9,382	17.89
1932	741	75,200	698	10,400	10,300	1.44	19.66	11,390	21.61
1933	741	105,000	340	11,700	11,800	1.65	22.31	10,590	20.06
1934	756	89,000	358	10,400	10,400	1.45	19.68	10,960	20.79
1935	781	67,500	112	11,640	11,650	1.63	22.08	11,060	20.95
1936	801	206,000	216	13,190	13,190	1.84	25.04	14,290	27.18
1937	821	75,900	120	14,120	14,130	1.97	26.77	13,980	26.50
1938	651	168,000	148	13,160	13,200	1.84	25.02	14,510	27.12
1939	671	87,100	272	13,110	13,060	1.82	24.76	10,960	20.73
1940	891	101,000	148	11,360	11,490	1.60	21.83	11,950	22.93
1941	921	42,800	148	7,714	7,619	1.06	14.44	6,959	13.21
1942	951	66,700	145	9,762	9,671	1.38	18.72	10,420	19.72
1943	971	67,200	299	12,490	12,470	1.74	23.64	13,200	25.07
1944	1001	61,500	138	10,930	10,910	1.52	20.73	10,070	19.06
1945	1031	73,100	138	14,430	14,480	2.02	27.45	-	-
1916-45	-	206,000	112	11,740	11,760	1.64	-	-	-

Note.—Runoff for period January 1915 to September 1939 recomputed on basis of revised drainage area.

CONNECTICUT RIVER AT MONTAGUE CITY, MASS.

Location.-- Water-stage recorder, lat. 42°34'48", long. 72°34'30", in Montague City, Franklin County, 1,000 feet downstream from Deerfield River. Datum of gage is 99.87 feet above mean sea level, datum of 1929.

Drainage area.-- 7,865 square miles.

Records available.-- October 1929 to September 1945. March 1904 to September 1932 at Sunderland, 9 miles downstream.

Extremes.-- 1929-45: Maximum discharge, 236,000 second-feet Mar. 19, 1936 (gage height, 49.2 feet, from floodmarks), from rating curve extended above 160,000 second-feet; minimum daily, 476 second-feet (regulated) Sept. 7, 1942.

Remarks.-- Runoff in inches adjusted for change in contents in First Connecticut and Second Connecticut Lakes, Lake Francis (since March 1940), Commercial Station Pond (since August 1930), four reservoirs in Mascoma River Basin, Sunapee Lake, Surry Mountain Reservoir (since November 1942), Birch Hill Reservoir (since October 1943), and two reservoirs in Deerfield River Basin.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	4,400	6,080	5,230	11,600	11,400	20,400	23,700	16,500	14,000	6,560	4,160	2,760	10,600
1931	3,100	6,240	5,680	3,790	3,650	9,100	35,800	20,000	15,900	9,660	4,940	6,130	10,800
1932	5,890	8,270	10,100	17,600	10,900	8,730	42,200	14,100	6,150	7,720	5,100	5,110	11,900
1933	8,260	21,200	9,730	10,700	8,840	9,750	61,400	20,600	6,810	3,530	6,400	8,810	14,400
1934	7,070	7,784	8,635	8,484	5,857	12,600	80,240	18,550	8,330	4,132	3,090	5,478	12,590
1935	6,009	13,440	12,730	19,640	6,857	20,250	27,530	21,750	15,170	11,110	4,690	4,540	13,830
1936	4,721	8,921	9,110	8,539	5,141	71,920	34,580	19,520	5,286	3,969	2,688	3,172	14,980
1937	9,629	12,180	16,930	23,520	16,240	9,417	37,560	44,710	15,750	6,540	4,828	3,942	16,940
1938	8,068	16,030	14,120	14,650	16,920	21,090	27,440	14,660	7,026	10,440	9,664	32,660	16,010
1939	12,910	11,850	27,280	10,600	9,811	15,080	48,250	30,310	9,611	5,019	4,474	2,988	15,700
1940	5,359	9,618	6,973	3,868	2,938	4,316	48,550	15,550	7,028	3,507	5,673	12,350	
1941	4,176	14,640	11,240	10,970	10,200	7,378	26,250	8,090	4,943	5,356	3,307	3,318	9,110
1942	4,563	7,931	6,978	9,241	5,596	21,200	39,880	19,760	13,200	4,952	2,565	3,376	11,520
1943	5,267	13,880	11,200	7,410	9,118	21,140	29,750	40,300	15,430	6,507	10,740	7,437	14,890
1944	8,846	20,280	8,724	5,719	5,128	11,780	39,860	24,170	11,290	5,424	3,493	5,447	12,480
1945	8,318	8,706	8,876	10,730	7,729	27,690	33,770	35,920	18,790	12,950	5,154	6,985	16,360

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	0.58	0.90	0.75	1.74	1.50	3.07	3.50	2.50	2.00	0.90	0.57	0.39	18.40
1931	.37	.91	.74	.46	.43	1.33	5.48	3.08	2.29	1.41	.86	.86	18.02
1932	.78	1.15	1.45	2.59	1.30	1.11	6.36	2.22	2.82	1.15	.65	.63	20.21
1933	1.24	3.14	1.24	1.48	1.03	1.33	9.16	3.17	.85	.43	.97	.94	25.00
1934	1.04	1.05	1.18	1.13	.64	2.06	8.99	2.77	1.25	.51	.35	.80	21.77
1935	.86	1.96	1.78	2.84	.93	3.00	4.12	3.34	2.24	1.66	.56	.58	23.87
1936	.57	1.36	1.21	1.19	.61	11.00	4.97	2.92	.65	.55	.36	.55	25.94
1937	1.51	1.67	2.49	3.45	1.99	1.22	5.63	6.72	2.26	1.23	.66	.49	29.32
1938	1.19	2.31	1.90	2.09	2.16	3.07	4.10	2.27	.97	1.64	1.36	4.72	27.78
1939	1.76	1.58	4.02	1.35	1.21	2.11	7.20	4.60	1.32	.72	.61	.39	26.87
1940	.80	1.33	.92	.42	.36	.57	7.26	7.23	2.24	1.03	.44	.33	23.43
1941	.53	2.17	1.54	1.45	1.17	.86	4.08	1.25	.74	.84	.43	.40	15.46
1942	.77	1.23	.99	1.21	.53	3.21	6.03	2.92	1.66	.71	.35	.45	20.27
1943	.77	1.96	1.48	.91	1.11	3.02	4.43	6.28	2.19	.92	1.56	.97	25.60
1944	1.33	2.87	1.08	.84	.59	1.69	5.94	3.76	1.69	.78	.42	.77	21.56
1945	1.27	1.13	1.16	1.48	.86	5.82	5.04	5.35	2.63	1.88	.69	1.01	28.32

Note.-- Runoff for period October 1929 to September 1939 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1930	741	47,400	881	10,600	10,600	1.35	18.40	10,500	18.19
1931	741	68,600	597	10,300	10,400	1.32	18.02	11,100	19.38
1932	741	89,600	1,390	11,800	11,700	1.49	20.21	13,000	22.45
1933	741	133,000	968	14,400	14,500	1.84	25.00	13,200	22.65
1934	756	110,000	1,040	12,590	12,600	1.60	21.77	13,310	23.10
1935	781	87,700	726	13,830	13,820	1.76	23.87	13,050	22.41
1936	801	233,000	640	14,980	14,980	1.90	25.94	16,340	26.47
1937	821	93,400	878	16,940	16,990	2.16	29.32	16,870	29.05
1938	851	189,000	774	16,010	16,080	2.04	27.78	17,190	29.74
1939	871	96,400	758	15,700	15,570	1.98	26.87	13,150	22.56
1940	891	116,000	650	13,550	12,530	1.72	23.43	14,020	24.62
1941	921	45,900	528	9,110	8,963	1.14	15.46	8,232	14.19
1942	951	66,800	476	11,520	11,730	1.49	20.27	12,440	21.51
1943	971	67,800	1,110	14,890	14,830	1.89	25.60	15,490	26.87
1944	1001	66,400	511	12,480	12,470	1.59	21.56	11,500	19.84
1945	1031	84,000	815	16,360	16,410	2.09	28.32	-	-
1930 - 45	-	233,000	476	13,430	13,450	1.71	-	-	-

Note.--Runoff for period October 1929 to September 1939 recomputed on basis of revised drainage area.

CONNECTICUT RIVER AT SUNDERLAND, MASS.

Location.— Water-stage recorder, lat. 42°28'01", long. 72°35'03", at highway bridge at Sunderland, Franklin County, 9 miles (revised) downstream from mouth of Deerfield River. Prior to October 1921, water-stage recorder used for low stages and chain gage otherwise; prior to October 1917, chain gage. Datum of gage is 99.00 feet above mean sea level, unadjusted.

Drainage area.— 7,915 square miles (revised).

Records available.— March 1904 to September 1932 (discontinued).

Extremes.— 1904-32: Maximum discharge, 179,000 second-feet Nov. 5, 1927 (gage height, 34.08 feet); minimum, 450 second-feet Aug. 29, 1921 (gage height, 0.0 foot).

Remarks.— Runoff in inches adjusted for change in contents in First and Second Connecticut Lakes (since October 1916), Comerford Station Pond (since August 1930), four reservoirs in Mascota River Basin (since October 1928), Sunapee Lake (since October 1928), Somerset Reservoir (since October 1916) and Harriman Reservoir (since February 1924).

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1904	-	-	-	-	-	-	37,900	50,700	7,300	3,890	4,450	7,750	-
1905	12,500	6,560	4,490	2,730	2,090	17,100	38,700	15,700	8,960	7,850	9,570	20,100	12,200
1906	7,520	7,870	15,300	19,900	10,700	18,800	37,600	29,000	17,300	8,260	4,820	3,350	14,600
1907	4,720	7,170	5,490	9,450	4,700	16,600	32,400	29,600	11,400	9,070	4,830	6,770	11,900
1908	21,200	27,800	21,400	12,500	15,000	24,700	32,400	31,700	10,200	3,580	4,480	1,830	17,800
1909	1,820	2,050	3,390	5,960	12,200	14,900	56,300	28,400	10,700	2,220	2,910	2,550	12,000
1910	4,430	2,980	4,510	12,900	8,200	40,800	29,800	17,800	14,800	3,250	4,190	3,100	12,600
1911	3,350	4,960	2,810	10,000	4,160	8,960	35,700	19,400	6,070	2,250	2,850	5,470	8,820
1912	16,300	12,700	18,200	9,100	4,500	14,100	51,500	24,800	18,700	3,210	4,130	7,630	15,400
1913	12,800	16,100	13,900	23,000	12,400	42,300	30,300	15,200	9,100	3,500	3,130	2,270	15,400
1914	5,910	9,260	7,530	3,650	3,170	15,500	54,600	26,900	5,220	4,340	3,160	3,480	11,900
1915	2,510	3,390	4,230	5,960	15,700	13,200	21,900	11,000	4,400	18,800	17,600	5,690	10,300
1916	5,690	7,200	11,500	16,900	21,700	13,700	45,400	23,800	20,400	11,300	6,870	5,650	15,800
1917	7,010	8,180	14,000	7,930	4,640	17,200	39,200	24,500	26,400	7,930	8,020	5,130	14,200
1918	9,760	12,200	4,850	3,990	7,670	22,600	41,200	20,500	8,760	5,110	4,300	8,640	12,300
1919	15,000	17,800	20,000	10,600	6,800	23,200	31,700	28,100	6,640	3,560	2,580	8,790	14,400
1920	8,730	20,000	14,400	5,200	3,950	28,500	59,100	29,200	9,730	6,210	5,970	5,510	16,300
1921	9,380	10,800	24,700	11,500	7,620	45,700	28,500	15,100	4,360	7,600	4,430	2,370	14,400
1922	3,420	8,990	13,100	6,750	6,880	33,400	57,600	22,300	22,300	13,200	6,120	5,220	16,600
1923	4,620	5,160	4,440	8,780	5,760	11,700	46,800	30,400	8,400	3,520	2,660	2,950	11,200
1924	6,390	11,600	23,700	18,900	7,200	10,900	42,300	33,400	7,000	5,300	4,650	13,400	15,400
1925	6,700	8,410	9,070	4,460	22,300	32,300	30,200	14,500	8,320	10,500	5,880	7,460	13,200
1926	14,300	21,900	15,400	9,540	8,620	11,700	38,500	29,900	11,400	7,170	3,970	4,430	14,700
1927	6,800	18,300	9,770	7,870	7,520	27,900	19,800	15,900	7,450	4,790	4,280	5,080	11,500
1928	13,200	42,500	28,800	16,000	13,600	15,700	39,100	30,600	19,900	9,030	10,900	9,640	20,700
1929	8,620	9,110	8,710	10,600	6,540	28,300	43,000	34,600	9,310	5,730	3,820	3,560	14,400
1930	4,300	5,440	5,590	12,100	12,700	21,400	23,400	16,300	14,400	7,060	4,330	2,980	10,800
1931	3,170	6,120	5,700	3,910	3,780	8,810	36,200	20,200	16,300	10,300	5,140	6,150	10,500
1932	5,850	8,490	10,200	17,500	11,200	9,030	43,500	14,400	6,140	7,400	4,330	4,930	11,900

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1904	-	-	-	-	-	-	5.34	4.47	1.03	0.57	0.65	1.09	-
1905	1.82	0.92	0.65	0.40	0.28	2.49	5.46	2.28	1.26	1.15	1.40	2.83	20.94
1906	1.10	1.11	2.22	2.89	1.41	2.01	5.30	4.22	2.43	1.20	.70	.47	25.06
1907	.69	1.01	.80	1.37	.62	2.42	4.56	4.31	1.61	1.33	.70	.95	20.37
1908	3.09	3.02	3.11	1.82	2.05	3.60	4.66	4.61	1.44	.52	.65	.26	29.63
1909	.27	.29	.49	.87	1.60	2.17	7.93	4.14	1.51	.47	.42	.36	20.52
1910	.65	.56	.66	1.88	1.08	5.94	4.20	2.59	2.09	.47	.61	.44	21.17
1911	.49	.70	.41	1.45	.55	1.30	5.03	2.82	.86	.33	.42	.77	15.13
1912	2.38	1.78	2.65	1.32	.81	2.05	7.26	3.61	2.63	.47	.80	1.08	26.45
1913	1.87	2.26	2.03	3.34	1.64	6.16	4.27	2.21	1.28	.51	.46	.32	26.35
1914	.86	1.30	1.10	.53	.42	2.22	7.70	3.92	.74	.63	.46	.49	20.37
1915	.36	.48	.62	.87	2.06	1.92	3.09	1.60	.62	2.74	2.56	.80	17.73
1916	.83	1.01	1.67	2.47	2.95	1.99	6.40	3.47	2.88	1.73	.93	.80	27.13
1917	.98	1.14	2.01	1.13	.58	2.51	5.58	3.69	3.74	1.14	1.18	.70	24.58
1918	1.26	1.72	.64	.52	.95	3.21	5.89	3.05	1.23	.72	.56	1.20	21.07
1919	2.26	2.52	2.09	1.53	.76	4.13	4.54	4.14	.89	.48	.34	.96	24.65
1920	1.29	2.58	2.10	.64	.48	4.18	8.36	4.32	1.35	.91	.62	.74	28.07
1921	1.35	1.48	3.64	1.67	.95	6.77	4.03	2.17	.59	1.10	.58	.30	24.63
1922	.50	1.29	1.91	.93	.88	4.90	8.26	3.30	3.17	1.92	.87	.64	28.57
1923	.58	.70	.65	1.29	.71	1.71	6.73	4.52	1.17	.49	.35	.36	19.26
1924	.92	1.66	3.49	2.77	.94	1.57	6.26	5.07	.90	.71	.62	1.89	26.77
1925	.87	1.16	1.31	.53	3.02	4.86	4.40	2.11	1.17	1.52	.78	1.01	22.75
1926	2.12	3.17	2.21	1.29	.98	1.59	5.63	4.59	1.60	.95	.49	.50	25.12
1927	1.31	2.69	1.36	1.03	.88	4.20	2.96	2.43	1.06	.67	.53	.60	19.72
1928	1.97	6.19	4.16	2.19	1.65	2.24	5.72	4.69	2.80	1.28	1.57	1.30	35.76
1929	1.18	1.18	1.16	1.53	.74	4.24	6.33	5.11	1.25	.70	.42	.41	24.35
1930	.56	.80	.80	1.79	1.66	3.19	3.46	2.48	2.03	.96	.60	.42	18.75
1931	.38	.89	.74	.48	.44	1.27	5.50	3.09	2.32	1.49	.68	.86	18.14
1932	.78	1.18	1.49	2.62	1.34	1.21	6.47	2.25	.83	1.09	.64	.60	20.50

Note.— Runoff for period April 1904 to September 1932 recomputed on basis of revised drainage area.

Annual discharge, in second-feet, of Connecticut River at Sunderland, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1904	471	-	-	-	-	-	-	-	-
1905	471, 1051	112,000	1,800	12,200	-	1.54	20.94	12,800	21.98
1906	471	76,800	1,960	14,600	-	1.84	25.06	13,500	23.13
1907	471	62,500	1,730	11,900	-	1.50	20.37	16,300	27.99
1908	471	671,000	1,080	17,300	-	2.19	29.63	12,000	20.56
1909	471, 1051	116,000	1,240	12,000	-	1.52	20.52	12,400	21.34
1910	471, 1051	97,500	1,180	12,300	-	1.55	21.17	12,200	20.90
1911	471	58,900	1,060	8,820	-	1.11	15.13	11,900	20.34
1912	471, 1051	91,500	1,730	15,400	-	1.95	26.45	15,000	25.80
1913	471, 1051	140,000	1,130	15,400	-	1.95	26.35	13,700	23.45
1914	471, 1051	102,000	1,290	11,900	-	1.50	20.37	10,800	18.58
1915	471	70,200	1,290	10,300	-	1.30	17.72	11,500	19.77
1916	471	72,600	2,080	15,800	-	2.00	27.13	16,200	27.75
1917	471	61,300	1,620	14,200	14,200	1.79	24.38	13,900	23.88
1918	471	68,500	945	12,300	12,300	1.55	21.07	14,100	24.32
1919	501	78,000	1,180	14,400	14,400	1.82	24.65	14,000	24.04
1920	501, 1051	105,000	1,670	16,300	16,300	2.06	28.07	16,500	28.27
1921	521	74,300	780	14,400	14,400	1.82	24.63	12,800	21.86
1922	541, 1051	132,000	1,180	16,600	16,700	2.11	28.57	15,700	26.80
1923	561, 1051	94,000	780	11,300	11,200	1.42	19.26	13,600	23.40
1924	581	59,700	1,290	15,400	15,600	1.97	26.77	13,900	24.04
1925	601, 1051	96,100	1,180	13,300	13,400	1.69	22.75	15,600	26.91
1926	621, 1051	92,500	1,130	14,700	14,600	1.84	25.12	13,500	22.98
1927	641	70,000	1,620	11,500	11,500	1.45	19.72	15,400	26.68
1928	661, 1051	178,000	1,340	20,700	20,800	2.63	35.78	15,900	26.96
1929	681	71,900	1,290	14,400	14,200	1.79	24.55	12,400	22.99
1930	696	45,500	1,560	10,800	10,900	1.38	18.75	10,800	18.60
1931	711	67,400	1,110	10,500	10,600	1.34	18.14	11,300	19.58
1932	726	87,500	1,560	11,900	11,900	1.50	20.50	-	-
1905 - 32	-	173,000	780	13,590	13,600	1.72	-	-	-

c Corrected.

Note.- Runoff for period April 1904 to September 1932 recomputed on basis of revised drainage area.

CONNECTICUT RIVER AT HOLYOKE, MASS.

Location.- Lat. 42°12'50", long. 72°36'10", above dam of Holyoke Water Power Co., in Holyoke, Hampden County.

Drainage area.- 8,309 square miles (revised).

Records available.- January 1880 to December 1899; March, April, 1936; September, October, 1938.

Statistics.- 1880-1945: Maximum discharge, 244,000 second-feet Mar. 19, 20, 1936 (gage height, 16.8 feet); minimum, practically no flow at various times when water was being stored above dam.

Remarks.- Discharge determined by adding water wasting over dam to flow through canals. Flow regulated by mills and reservoirs above station.

Cooperation.- Records furnished by the Holyoke Water Power Co.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1880	-	-	-	9,650	14,800	15,300	20,600	11,500	4,160	3,640	2,170	1,700	-
1881	2,260	6,100	3,050	2,520	5,730	13,600	22,400	27,000	6,210	3,950	2,900	2,950	8,290
1882	3,200	11,500	15,800	8,790	9,100	19,500	18,200	20,200	17,600	5,410	2,800	7,950	11,700
1883	4,610	5,060	2,740	2,650	3,930	5,270	33,300	19,600	10,800	5,610	3,060	1,880	8,050
1884	3,540	5,670	3,910	6,210	14,300	22,000	40,200	26,300	8,940	4,260	3,190	2,820	11,700
1885	4,020	8,580	11,200	15,300	7,140	4,810	37,400	16,500	7,010	7,050	6,150	5,580	10,900
1886	7,980	20,800	11,300	15,300	16,100	9,800	37,800	12,800	7,500	3,050	2,710	2,490	12,200
1887	4,370	14,700	10,400	11,800	13,700	8,160	44,300	31,100	12,700	11,000	12,000	5,520	14,900
1888	4,480	6,770	11,900	8,850	8,550	12,000	38,900	47,800	10,500	4,810	4,690	13,000	14,500
1889	18,000	22,600	19,600	16,700	7,290	13,600	26,500	13,800	13,100	9,120	9,240	6,060	14,700
1890	11,500	19,000	20,500	15,000	14,800	19,700	29,400	31,300	13,200	4,900	6,020	14,400	16,600
1891	18,300	14,100	5,830	14,200	17,000	29,900	41,300	15,100	7,410	5,130	5,300	3,890	14,800
1892	3,040	5,140	11,300	19,500	6,860	8,490	22,600	21,200	14,300	12,400	8,930	4,960	11,600
1893	4,860	15,800	6,660	3,580	6,240	11,800	31,000	36,200	8,160	3,370	5,440	5,680	11,600
1894	5,300	5,220	7,500	6,250	4,640	22,300	21,000	10,900	8,760	3,850	2,820	2,700	8,400
1895	4,810	7,550	6,060	4,740	2,990	6,260	45,300	12,800	6,110	3,030	3,280	2,740	8,720
1896	4,100	17,100	15,800	10,900	8,780	27,200	42,400	9,680	5,360	3,850	2,960	4,770	12,700
1897	11,000	14,100	7,620	5,010	5,780	14,500	35,500	22,500	22,300	23,500	10,800	4,310	14,800
1898	3,670	14,900	21,800	10,300	8,670	35,500	29,200	19,100	11,400	3,800	4,960	5,420	14,100
1899	12,200	15,800	9,720	8,790	5,690	13,800	49,400	20,800	4,930	4,470	2,670	2,560	12,600
1900	2,560	5,690	6,930	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	75,960	36,370	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	63,880	-
1939	11,710	-	-	-	-	-	-	-	-	-	-	-	-

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1880	-	-	-	1.34	1.93	2.13	2.78	1.61	0.56	0.51	0.30	0.23	-
1881	0.31	0.82	0.42	.35	.68	1.90	3.02	3.75	.84	.55	.54	.40	13.58
1882	.45	1.53	2.21	1.22	1.14	2.72	2.45	2.81	2.36	.75	.59	1.07	19.10
1883	.64	.45	.38	.37	.49	.73	4.48	2.72	1.45	.78	.43	.25	13.17
1884	.49	.68	.54	.86	1.86	3.07	5.42	3.66	1.20	.61	.44	.38	19.21
1885	.56	1.13	1.56	2.13	.90	.67	5.04	2.30	.94	.98	.86	.75	17.82
1886	1.11	2.80	1.58	2.21	2.02	1.34	5.02	1.78	1.01	.42	.58	.34	20.01
1887	.61	1.99	1.45	1.64	1.72	1.14	5.97	4.33	1.70	1.54	1.66	.74	24.49
1888	.62	.91	1.66	1.23	1.11	1.66	5.24	6.65	1.42	.60	.65	1.75	23.50
1889	2.51	3.04	2.73	2.32	.92	1.89	3.56	1.92	1.76	1.27	1.29	.82	24.03
1890	1.60	2.56	2.85	2.09	1.86	2.75	3.96	4.36	1.78	.68	.84	1.94	27.27
1891	2.55	1.90	.81	1.98	2.13	4.17	5.57	2.11	1.00	.71	.74	.52	24.19
1892	.42	.69	1.57	2.72	.89	1.18	3.04	2.95	1.92	1.72	1.24	.67	19.01
1893	.68	2.13	.93	.50	.78	1.64	4.18	5.03	1.10	.47	.76	.77	18.97
1894	.74	.70	1.04	.87	.58	3.10	2.82	1.52	1.17	.54	.32	.36	13.76
1895	.64	1.01	.84	.66	.38	.87	6.10	1.72	.82	.42	.46	.37	14.29
1896	.57	2.20	2.20	1.51	1.14	2.79	5.71	1.35	.72	.51	.41	.64	20.85
1897	1.53	1.80	1.06	.70	.73	2.01	4.78	3.13	3.01	3.26	1.50	.58	24.19
1898	.51	2.00	3.03	1.44	1.09	4.94	3.94	2.66	1.53	.53	.69	.72	23.09
1899	1.70	2.13	1.35	1.22	.72	1.92	6.66	2.89	.66	.62	.37	.34	20.58
1900	.36	.77	.96	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	10.57	4.90	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	4.56	-
1939	1.63	-	-	-	-	-	-	-	-	-	-	-	-

Note.- Runoff for period January 1880 to December 1899 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Runoff in inches
1880	415	-	-	-	-	7,880	12.94
1881	415	49,000	0	8,290	1.00	9,890	16.22
1882	415	48,800	0	11,700	1.41	10,000	16.38
1883	415	68,300	250	8,050	.972	13,17	13.41
1884	415	71,900	500	11,700	1.41	19,21	20.75
1885	415	64,000	1,100	10,900	1.32	17,82	20.06
1886	415	80,200	50	12,200	1.47	20,01	18.57
1887	415	85,500	1,000	14,900	1.80	24,49	23.63
1888	415	99,800	1,100	14,500	1.73	23,50	28.59
1889	415	59,300	1,350	14,700	1.77	24,03	22.78
1890	415	46,800	550	16,600	2.00	27,27	25.52
1891	415	67,300	1,200	14,800	1.79	24,19	21.61
1892	415	63,100	900	11,600	1.40	19,01	20.07
1893	415	94,400	750	11,600	1.40	18,97	17.71
1894	415	43,300	150	8,400	1.01	13,76	13.77
1895	415	115,000	350	8,720	1.05	14,29	16.87
1896	415	112,000	400	12,700	1.53	20,85	20.27
1897	415	75,400	2,250	14,800	1.79	24,19	25.24
1898	415	76,200	600	14,100	1.70	23,09	22.73
1899	415	82,500	400	12,600	1.52	20,58	17.49
1881-1899	-	115,000	0	12,250	1.48	-	-

CONNECTICUT RIVER AT THOMPSONVILLE, CONN.

Location.- Water-stage recorder, lat. 41°59'14", long. 72°36'21", in pool just upstream from Enfield Dam and 1 mile downstream from Thompsonville, Hartford County. Datum of gage is 38.48 feet above mean sea level, datum of 1929.

Drainage area.- 9,661 square miles.

Records available.- July 1928 to September 1945.

Extremes.- 1928-45: Maximum discharge, 282,000 second-feet Mar. 20, 1936 (gage height, 16.6 feet, from floodmarks); minimum daily, 1.20 second-feet (regulated) Sept. 7, 1942.

Remarks.- Figures of discharge include water diverted around station by canal of Connecticut Light & Power Co. Runoff in inches adjusted for change in contents in First Connecticut and Second Connecticut Lakes, Lake Francis (since March 1940), Comerford Station Pond (since August 1930), four reservoirs in Mascoma River Basin, Sunapee Lake, Surry Mountain Reservoir (since November 1942), Birch Hill Reservoir (since October 1943), two reservoirs in Deerfield River Basin, Quabbin Reservoir (since August 1939), Watersheds Pond (since May 1929), Knightville Reservoir (since May 1943), Borden Brook and Cobble Mountain Reservoirs, and diversion from Chicopee River Basin.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	-	-	-	-	-	-	-	-	-	16,600	11,900	-
1929	9,500	10,100	9,820	12,100	8,880	35,900	49,200	58,600	9,910	6,450	4,970	4,910	16,700
1930	5,200	7,030	7,620	13,900	12,800	24,600	28,300	18,300	16,200	7,420	5,000	3,440	12,500
1931	3,600	7,240	6,260	4,310	4,480	12,200	42,500	24,500	20,000	10,400	5,950	6,280	12,300
1932	6,170	9,080	11,200	18,700	13,700	11,800	48,600	15,800	7,410	7,970	5,550	5,830	15,500
1933	9,680	26,000	11,600	18,900	11,800	14,500	75,200	24,200	8,370	4,020	7,540	11,800	18,000
1934	9,592	9,732	10,590	11,620	6,969	18,780	89,990	23,400	10,600	5,400	3,630	7,634	15,620
1935	8,295	15,400	15,090	22,870	10,890	25,750	32,950	24,630	17,850	12,080	5,382	5,572	16,410
1936	5,048	9,211	11,190	10,250	6,680	89,200	44,680	24,340	7,580	5,056	3,912	4,751	18,580
1937	10,080	12,840	19,070	27,560	20,440	13,320	40,780	49,090	17,790	9,845	6,098	6,408	19,430
1938	10,020	20,000	18,590	19,650	20,940	23,990	30,470	17,100	9,855	14,290	12,560	42,700	19,930
1939	16,480	14,380	32,000	13,490	12,600	19,870	54,870	32,710	10,760	5,747	5,351	3,994	18,540
1940	5,844	11,070	8,816	5,454	4,386	6,965	57,720	50,080	18,180	7,819	4,521	5,826	15,520
1941	4,708	15,900	12,560	13,560	13,740	9,559	29,290	9,611	6,000	5,699	3,985	3,785	19,850
1942	4,729	9,795	8,249	11,230	7,211	27,870	43,450	21,480	14,310	6,079	3,550	3,955	18,370
1943	6,454	18,950	14,420	10,880	11,430	26,880	33,440	46,640	17,520	7,313	11,030	7,437	17,570
1944	9,646	23,790	10,270	6,808	6,346	15,180	45,220	26,890	12,400	6,148	4,291	6,393	14,400
1945	6,364	9,604	11,250	12,810	9,084	44,200	58,680	42,640	22,980	15,290	7,999	7,994	19,250

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	-	-	-	-	-	-	-	-	-	1.60	1.33	-
1929	1.12	1.08	1.03	1.43	0.86	4.46	5.90	4.87	1.09	0.66	.47	.50	23.37
1930	.57	.84	.69	1.68	1.36	3.01	3.38	2.26	1.87	.83	.57	.40	17.66
1931	.36	.86	.67	.44	.44	1.45	5.23	3.04	2.32	1.28	.66	.72	17.42
1932	.67	1.03	1.53	2.42	1.36	1.26	5.95	2.04	.82	.97	.58	.57	20.92
1933	1.20	3.15	1.24	1.59	1.17	1.65	8.66	2.89	.85	.41	.99	1.39	23.97
1934	1.10	1.08	1.16	1.29	.66	2.29	8.48	2.87	1.25	.54	.34	.31	23.97
1935	.96	1.84	1.78	2.70	.97	3.11	3.99	3.07	2.12	1.46	.52	.56	29.36
1936	.49	1.15	1.23	1.15	.67	11.09	5.22	2.95	.79	.56	.42	.51	28.36
1937	1.26	1.44	2.32	3.33	2.07	1.46	4.96	6.00	2.08	1.15	.89	.69	27.47
1938	1.20	2.34	2.05	2.29	2.18	2.65	3.68	2.14	1.12	1.80	1.44	5.00	28.10
1939	1.86	1.57	3.64	1.43	1.27	2.31	6.65	4.84	1.19	.67	.60	.45	25.66
1940	.71	1.26	.98	.54	.46	.81	7.24	6.32	2.16	.93	.44	.69	22.54
1941	.48	1.95	1.44	1.49	1.36	.99	3.78	1.22	.74	.73	.42	.37	14.92
1942	.63	1.11	.97	1.25	.65	8.52	5.37	2.73	1.87	.73	.59	.43	19.45
1943	.76	2.00	1.63	1.17	1.18	8.28	4.12	6.00	2.02	.85	1.31	.79	25.11
1944	1.20	2.82	1.05	.62	.63	1.87	5.59	3.42	1.90	.78	.41	.76	20.70
1945	1.10	1.05	1.27	1.49	.87	5.69	4.79	5.27	2.73	1.87	.77	.89	27.78

Note.- Runoff for period August 1928 to September 1939 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30							Calendar year	
		Observed			Adjusted				Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches	
1928	661	-	-	-	-	-	-	-	-	-
1929	681	83,100	1,370	16,700	16,500	1.71	23.27	15,900	22.34	
1930	696	55,400	1,670	12,500	12,600	1.30	17.66	12,300	17.25	
1931	711	75,800	1,490	12,300	12,400	1.28	17.42	13,100	18.56	
1932	741	95,800	2,060	13,500	12,500	1.40	19.02	15,200	21.58	
1933	741	151,000	1,610	18,000	18,000	1.86	25.20	16,500	23.05	
1934	756	121,000	1,310	15,620	15,640	1.62	21.97	16,590	23.16	
1935	761	95,700	1,800	16,410	16,400	1.70	23.05	15,280	21.39	
1936	801	278,000	1,440	18,580	18,620	1.93	26.23	19,970	28.38	
1937	821	99,500	2,750	19,430	19,530	2.02	27.47	19,960	28.04	
1938	851	122,000	2,280	19,930	20,000	2.07	28.10	21,170	29.78	
1939	871	206,000	1,780	16,540	18,400	1.90	25.86	15,400	21.54	
1940	891	119,000	1,680	15,520	16,000	1.66	22.54	16,140	23.46	
1941	921	49,100	1,390	10,650	10,630	1.10	14.92	9,690	13.76	
1942	951	71,500	1,120	13,370	13,830	1.45	19.45	14,710	21.13	
1943	971	75,200	2,520	17,570	17,880	1.85	25.11	18,050	25.79	
1944	1001	74,200	1,490	14,400	14,690	1.52	20.70	13,260	19.05	
1945	1031	92,400	2,940	19,250	19,770	2.05	27.79	-	-	
1929 - 45	-	279,000	1,120	16,020	16,140	1.67	-	-	-	

MILLERS RIVER NEAR WINCHENDON, MASS.

Location.— Water-stage recorder, lat. 42°41'03", long. 72°05'02", at Nolan Bridge, a third of a mile downstream from Sip Pond Brook and 2 miles west of Winchendon, Worcester County. Datum of gage is 826.66 feet above mean sea level, datum of 1929.

Drainage area.— 83.0 square miles.

Records available.— June 1916 to September 1945.

Extremes.— 1916-45: Maximum discharge, 8,500 second-feet Sept. 22, 1938 (gage height, 21.55 feet, from floodmarks), by computation of flow over dam; practically no flow because of regulation Sept. 20, 1918, Jan. 14, 1925.

Remarks.— Flow regulated by power plant and Lake Monomac and other reservoirs.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	-	100	57.8	95.1	-
1917	59.2	55.8	80.3	78.9	61.4	-	-	-	-	72.8	108	69.2	-
1918	69.7	85.9	62.7	44.4	124	325	345	115	96.8	62.5	55.5	79.6	122
1919	56.0	85.6	117	159	92.9	293	266	333	96.1	75.7	58.7	88.0	144
1920	58.3	155	143	60.7	45.3	397	c647	246	145	75.3	80.8	64.9	176
1921	112	133	320	119	122	330	301	233	65.9	83.9	74.7	43.4	162
1922	41.1	76.6	137	51.7	69.6	313	412	189	303	201	116	102	168
1923	71.0	56.9	57.6	171	136	255	483	226	74.8	59.7	64.7	37.6	141
1924	41.1	95.3	182	237	110	124	487	206	71.8	38.3	45.2	42.1	140
1925	24.0	28.0	49.0	23.1	182	241	222	98.1	60.4	109	55.2	52.5	94.4
1926	74.0	111	170	117	184	214	380	118	76.5	58.0	44.3	22.2	130
1927	34.0	128	85.2	98.4	128	314	171	145	79.0	59.8	91.5	86.6	118
1928	112	302	320	190	174	145	213	219	182	249	197	210	197
1929	106	75.3	64.6	101	151	342	404	273	89.1	62.6	38.8	27.4	145
1930	31.1	37.0	35.0	60.9	58.9	130	120	72.6	69.0	58.1	32.8	24.7	62.9
1931	36.0	50.1	46.9	42.1	58.9	104	401	159	199	66.2	61.0	38.1	105
1932	38.2	33.4	80.3	202	150	112	433	89.8	43.3	30.7	19.6	25.8	104
1933	108	228	101	126	154	206	782	124	72.3	42.5	38.5	95.2	172
1934	103	94.2	93.4	130	89.5	346	508	145	128	46.3	46.2	62.8	149
1935	110	112	152	229	186	264	255	113	154	103	45.5	66.3	145
1936	33.9	64.4	75.0	141	89.8	931	354	80.4	60.8	49.8	33.1	35.8	163
1937	62.2	51.3	207	303	169	137	294	247	193	82.4	52.5	50.0	154
1938	54.5	157	173	207	192	154	206	147	167	261	203	752	222
1939	144	148	216	149	128	289	480	152	65.8	31.1	27.7	7.28	162
1940	17.3	60.5	53.7	26.8	35.0	88.1	782	275	165	63.5	28.0	33.5	135
1941	31.6	98.1	140	121	158	93.7	179	89.6	45.3	35.2	14.5	33.1	85.9
1942	25.2	42.1	59.3	76.7	62.5	390	243	78.2	82.8	93.9	51.3	42.0	104
1943	47.9	161	152	125	240	265	368	81.8	21.1	54.7	41.2	140	140
1944	42.6	184	76.6	29.6	54.0	192	408	104	264	66.2	23.3	95.6	127
1945	68.7	50.8	94.4	154	104	456	273	381	201	153	82.3	72.4	175

c Corrected.

Note.— Runoff for period July 1916 to September 1938 recomputed on basis of revised drainage area.

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	-	1.39	0.80	1.28	-
1917	0.82	0.72	1.11	1.10	0.77	-	-	-	-	1.01	1.49	.93	-
1918	.97	1.15	.87	.62	1.55	4.52	4.64	1.59	1.30	.87	.77	1.07	19.92
1919	.78	1.12	1.63	2.21	1.17	4.07	3.58	4.63	1.29	1.05	.82	1.12	23.47
1920	.81	2.08	1.99	.84	.59	5.52	8.70	3.42	1.95	1.02	1.12	.87	28.91
1921	1.55	1.79	4.44	1.65	1.54	4.58	4.05	3.24	.89	1.16	1.04	.58	26.51
1922	.57	1.03	1.90	1.72	.87	4.35	5.53	2.63	4.08	2.79	1.61	1.37	27.45
1923	.99	.76	.80	2.37	1.71	3.54	6.49	3.14	1.01	.83	.90	.51	23.05
1924	.57	1.25	2.53	3.29	1.43	1.72	6.55	2.86	.97	.56	.63	.57	22.90
1925	.33	.38	.68	.32	2.28	3.35	2.99	1.33	.81	1.51	.77	.71	15.46
1926	1.03	1.49	2.36	1.62	2.30	2.97	5.11	1.64	1.03	.81	.62	.30	21.28
1927	.47	1.71	1.18	1.37	1.60	4.37	2.30	2.02	1.06	.83	1.27	1.16	19.54
1928	1.56	4.07	4.44	2.64	2.26	2.02	2.86	2.96	2.94	2.53	3.45	2.65	34.38
1929	1.47	1.05	.90	1.40	1.90	4.75	5.43	3.79	1.29	.87	.54	.37	25.65
1930	.43	.50	.49	.85	1.08	1.80	1.61	1.01	.93	.81	.46	.33	10.30
1931	.50	.67	.65	.58	.74	1.44	5.39	2.21	2.68	.92	.85	.51	17.14
1932	.53	.45	1.12	2.80	1.96	1.56	5.82	1.25	.58	.43	.27	.35	17.12
1933	1.50	3.07	1.40	1.75	1.93	2.86	10.51	1.72	.97	.59	.53	1.28	28.11
1934	1.43	1.27	1.50	1.80	1.12	4.80	6.83	2.03	1.72	.64	.64	.84	24.42
1935	1.52	1.50	2.11	3.18	1.70	3.66	3.43	1.56	2.06	1.43	.63	.89	23.67
1936	.47	.87	1.04	1.96	1.17	12.94	4.75	1.12	.82	.69	.46	.48	26.77
1937	.86	.69	2.87	4.20	2.12	1.90	3.95	3.43	2.59	1.16	.73	.67	25.17
1938	.76	2.11	2.41	2.87	2.41	2.14	2.77	2.04	2.24	3.62	2.82	10.11	38.30
1939	1.99	1.99	4.29	2.08	1.60	4.01	6.45	2.11	.88	.43	.39	.10	26.42
1940	.24	.81	.75	.37	.45	1.22	10.52	3.82	2.22	.88	.39	.45	22.12
1941	.44	1.32	1.94	1.68	1.98	1.30	2.40	1.24	.61	.49	.20	.45	14.05
1942	.35	.57	.52	1.07	.78	5.42	3.27	1.09	1.11	1.20	.71	.57	17.06
1943	.87	2.15	2.11	1.78	1.55	8.35	8.57	5.11	1.10	.29	.76	.55	22.36
1944	.29	2.47	1.06	.41	.70	2.68	5.46	1.44	3.55	.92	.32	1.29	20.89
1945	.95	.68	1.21	2.13	1.31	6.33	3.67	5.29	2.70	2.13	1.16	.97	28.63

Note.— Runoff for period July 1916 to September 1938 recomputed on basis of revised drainage area.

Annual discharge, in second-feet, of Millers River near Winchendon, Mass.

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1916	431, 451	-	-	-	-	-	-	-
1917	451	-	-	-	-	-	-	-
1918	471	620	11	122	1.47	19.92	125	20.46
1919	501, 1051	1,210	11	144	1.73	23.47	152	24.82
1920	501	965	13	178	2.12	28.91	194	31.81
1921	521	885	21	162	1.95	28.51	136	22.23
1922	541, 1051	980	13	165	2.02	27.45	162	26.50
1923	561, 1051	1,200	20	141	1.70	23.05	152	24.85
1924	581, 1051	1,260	10	140	1.69	22.90	122	19.94
1925	601	680	5	94.4	1.14	15.46	116	18.95
1926	621	825	10	130	1.57	21.28	121	19.78
1927	641	570	10	118	1.42	19.34	159	26.05
1928	661	837	37	210	2.53	34.38	169	27.71
1929	681	960	10	145	1.75	23.65	132	21.87
1930	696	298	9.0	82.9	.758	10.30	65.4	10.70
1931	711	768	3.1	105	1.27	17.14	107	17.42
1932	726	1,030	4.2	104	1.25	17.12	128	20.99
1933	741, 1051	1,430	10	172	2.07	28.11	160	26.14
1934	756, 1051	1,430	10	149	1.80	24.42	156	25.55
1935	781	740	8.8	145	1.75	23.67	128	20.92
1936	801	4,740	6.6	163	1.98	28.77	176	28.81
1937	821	558	9.1	154	1.86	25.17	159	26.05
1938	851	6,130	9.1	222	2.67	39.30	241	39.59
1939	871	855	3.4	162	1.95	26.42	121	19.85
1940	891	1,950	5.3	135	1.63	22.12	147	24.02
1941	921	420	8.3	85.9	1.03	14.05	73.9	12.09
1942	951	842	9.8	104	1.25	17.06	124	20.26
1943	971	565	8.3	140	1.69	22.98	136	22.16
1944	1001	1,720	6.4	127	1.53	20.89	120	19.71
1945	1031	908	11	175	2.11	28.63	-	-
1918-45	-	6,130	3.1	141	1.70	-	-	-

c Corrected.

Note.-Runoff for period July 1916 to September 1938 recomputed on basis of revised drainage area.

MILLERS RIVER AT SOUTH ROYALSTON, MASS.

Location.-- Water-stage recorder, lat. 42°37'47", long. 72°09'03", in South Royalston, Worcester County, 500 feet downstream from bridge, 0.4 mile downstream from Beaver Brook, and 1.7 miles downstream from Birch Hill Dam. Datum of gage is 792.00 feet above mean sea level, datum of 1929 (levels by Corps of Engineers, U. S. Army).

Drainage area.-- 187 square miles.

Records available.-- July 1939 to September 1945.

Extremes.-- 1939-45: Maximum discharge, 4,400 second-feet Apr. 13, 1940 (gage height, 8.40 feet); minimum daily, 16 second-feet (regulated) Sept. 25, 1939.
Maximum stage known, 15.9 feet, from floodmarks, Sept. 21 or 22, 1936.

Remarks.-- Flow regulated by Lake Monomonic and other reservoirs, by mills and power plants, and at high flow by Birch Hill Reservoir (completed in 1941) above station. Runoff in inches adjusted for change in contents in Birch Hill Reservoir. Runoff in inches may not represent natural flow because of regulation.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	-	69.1	30.1	-
1940	40.7	144	159	74.5	76.3	210	1,850	617	390	140	59.4	60.3	217
1941	52.6	230	291	259	318	231	418	215	102	61.5	35.1	57.1	188
1942	44.3	110	135	170	119	986	503	201	250	200	110	84.6	244
1943	117	358	353	307	256	825	611	839	214	74.9	129	70.1	330
1944	124	408	200	89.3	108	475	855	285	587	196	67.1	198	295
1945	132	133	234	315	197	1,058	644	821	480	369	188	156	396

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	-	0.45	0.18	-
1940	0.25	0.86	0.98	0.46	0.45	1.29	11.04	3.80	2.33	0.86	0.37	0.18	23.05
1941	.32	1.37	1.79	1.60	1.77	1.42	2.50	1.33	.61	.38	.22	.34	13.65
1942	.27	.86	.84	1.05	.66	6.08	3.00	1.24	1.49	1.24	.68	.51	17.72
1943	.72	2.14	2.17	1.89	1.42	3.85	3.64	5.17	1.27	.46	.79	.42	28.94
1944	.77	2.57	1.11	.44	.64	2.92	5.08	1.62	3.55	1.16	.41	1.18	21.46
1945	.82	.84	1.46	1.93	1.16	6.43	2.83	5.05	2.87	2.27	1.15	.98	28.76

Annual discharge, in second-feet

Year	W.S.F.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1939	891	-	-	-	-	-	-	-	-
1940	891	3,690	21	317	-	1.70	23.05	336	24.44
1941	921	764	23	168	-	1.01	13.65	164	11.94
1942	951	2,400	28	244	-	1.80	17.72	289	20.98
1943	971	1,240	35	330	-	1.76	25.94	322	28.26
1944	1001	2,710	31	295	295	1.58	21.46	276	20.13
1945	1031	1,900	58	396	396	2.12	28.76	-	-
1940 - 45	-	3,890	21	295	295	1.58	-	-	-

HALLERS RIVER AT ERVING, MASS.

Location.— Water-stage recorder, lat. 42°35'51", long. 72°26'19", 75 feet downstream from bridge at Farley, 0.6 mile upstream from Mormon Hollow Brook, 2.4 miles downstream from Erving, Franklin County, and 5.5 miles upstream from mouth. Jan. 1, 1939, to Sept. 12, 1941, water-stage recorder at site 0.4 mile downstream at different datum; Aug. 1, 1914, to Dec. 31, 1938, at site 2.3 miles upstream from present site where datum of gage was 438.26 feet above mean sea level, datum of 1929. Staff gage used Aug. 1, 1914, to June 30, 1915, and Sept. 28, 1938, to Dec. 31, 1938; water-stage recorder used July 1, 1915, to Sept. 20, 1938.

Drainage area.— 375 square miles. Prior to Jan. 1, 1939, 370 square miles.

Records available.— August 1914 to September 1945.

Extremes.— 1914-45: Maximum discharge, 29,000 second-foot Sept. 22, 1938 (gage height, 13.37 feet, from floodmarks, site and datum then in use), mean of two slope-area determinations; practically no flow at times during 1915 and 1916 because of regulation; minimum daily, 8 second-feet (regulated) Sept. 6, 1926.

Remarks.— Flow regulated by power plants, Lake Monomac and other reservoirs, and at high flow by Birch Hill Reservoir (completed in 1941). Runoff in inches adjusted for change in contents in Birch Hill Reservoir.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914											160	125	—
1915	119	103	82.5	652	1,010	530	695	518	190	742	843	250	471
1916	243	244	633	922	1,000	1,010	1,930	878	842	570	350	465	755
1917	359	365	557	548	351	1,490	1,290	829	830	383	407	320	646
1918	313	461	244	178	532	1,370	1,550	594	444	222	150	293	528
1919	300	358	664	698	337	1,400	1,100	1,220	309	256	157	306	595
1920	220	765	774	268	165	1,890	2,770	1,250	749	304	342	251	813
1921	477	581	1,540	758	397	1,600	1,460	1,260	291	545	283	154	782
1922	152	343	698	328	453	1,540	1,910	1,020	1,640	1,080	421	457	837
1923	330	343	344	881	656	1,110	1,940	990	316	160	131	91.3	606
1924	157	436	945	1,100	508	660	2,150	862	308	139	112	190	630
1925	111	137	267	85.3	798	1,220	1,020	497	293	391	261	210	438
1926	289	532	750	552	386	739	1,700	536	276	173	128	94.9	513
1927	166	639	415	263	377	1,580	650	665	379	285	406	292	511
1928	448	1,620	1,480	869	736	693	1,010	840	972	701	1,050	972	948
1929	434	372	376	604	588	1,610	1,720	1,310	448	221	106	85.7	657
1930	89.5	145	146	319	438	689	632	378	268	274	104	90.6	297
1931	87.6	186	143	143	132	565	1,670	835	780	184	174	133	417
1932	172	170	443	884	673	588	1,820	498	178	140	103	142	482
1933	412	845	438	637	680	980	2,970	489	233	112	177	677	716
1934	588	452	404	561	278	1,611	2,279	859	553	172	154	365	691
1935	467	592	329	1,087	641	1,367	1,124	548	678	391	127	190	671
1936	136	257	317	717	313	3,989	1,662	434	251	151	158	152	715
1937	274	291	991	1,288	803	696	1,326	1,113	822	407	222	320	711
1938	313	666	915	1,138	850	761	1,356	624	815	1,119	811	3,031	1,012
1939	710	522	1,312	535	494	1,207	1,999	577	234	101	191	82.7	665
1940	74.0	299	349	151	161	429	3,584	1,215	712	290	115	111	621
1941	102	410	541	467	554	407	816	393	187	180	89.5	122	354
1942	98.9	233	327	377	235	1,975	985	414	492	403	184	141	491
1943	220	669	718	599	515	1,292	1,195	1,623	441	150	226	135	650
1944	250	842	354	127	139	952	1,673	564	936	370	134	324	558
1945	226	259	464	585	380	1,874	1,282	1,652	973	819	354	272	765

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914											0.50	0.38	—
1915	0.37	0.31	0.26	2.03	2.84	1.65	2.10	1.61	0.57	2.32	2.63	.69	17.38
1916	.76	.73	1.97	2.87	2.91	3.15	5.82	2.73	2.54	1.78	1.09	1.41	27.76
1917	1.12	1.10	1.74	1.71	.99	4.65	3.89	2.58	2.50	1.20	1.27	.97	23.72
1918	.97	1.40	.76	.55	1.50	4.27	4.68	1.86	1.54	.69	.47	.88	19.37
1919	.94	1.08	2.06	2.18	.95	4.36	3.31	3.81	.93	.80	.49	.92	21.83
1920	.69	2.31	2.41	.83	.48	5.89	8.36	3.83	2.25	.95	1.07	.76	29.83
1921	1.49	1.75	4.80	2.29	1.11	4.98	4.41	3.93	.88	1.70	.88	.46	28.68
1922	.47	1.03	2.18	1.02	1.27	4.80	5.76	3.18	4.94	3.37	1.31	1.38	30.71
1923	1.03	1.03	1.07	2.74	1.84	3.46	5.85	3.09	.95	.50	.41	.28	22.25
1924	.49	1.32	2.94	3.42	1.48	2.05	6.48	2.69	.92	.43	.35	.57	23.14
1925	.35	.41	.83	.26	2.25	3.81	3.08	1.55	.88	1.22	.81	.63	16.08
1926	.90	1.61	2.34	1.72	1.08	2.31	5.12	1.67	.83	.54	.40	.29	18.81
1927	.52	1.93	1.29	.82	1.06	4.92	1.96	2.08	1.14	.89	1.27	.88	18.76
1928	1.40	4.89	4.61	2.71	2.15	2.16	3.05	2.62	3.93	2.18	3.27	2.93	34.90
1929	1.35	1.13	1.18	1.88	1.66	5.02	5.19	4.08	1.35	.69	.33	.26	24.12
1930	.28	.44	.46	.99	1.23	2.14	1.91	1.18	.81	.85	.32	.27	10.88
1931	.27	.56	.44	.44	.37	1.76	5.03	2.61	2.29	.57	.54	.40	15.28
1932	.54	.51	1.38	2.76	1.96	1.83	5.49	1.56	.54	.44	.32	.43	17.76
1933	1.29	2.54	1.36	1.98	1.92	3.06	8.96	1.52	.70	.35	.55	2.04	26.26
1934	1.36	1.36	1.75	.78	1.75	5.02	6.87	2.68	1.66	.54	.48	1.10	25.33
1935	1.45	1.78	2.58	3.39	1.80	4.25	3.39	1.71	2.04	1.22	.40	.57	24.58
1936	.42	.78	.99	2.24	.91	12.45	5.01	1.35	.76	.47	.49	.46	26.33
1937	.85	.88	3.09	4.01	2.26	2.13	3.99	3.47	2.48	1.27	.69	.97	26.09
1938	.98	2.61	2.85	3.55	2.40	2.38	2.82	1.95	2.46	3.48	2.52	9.14	37.14
1939	2.21	1.57	4.09	1.65	1.58	3.71	5.95	1.78	.70	.31	.59	.25	24.19
1940	.23	.89	1.07	.46	.46	1.32	10.66	3.74	2.12	.89	.35	.33	22.52
1941	.31	1.22	1.66	1.43	1.54	1.25	2.43	1.21	.56	.55	.28	.36	12.80
1942	.30	.69	1.00	1.16	1.65	6.07	2.93	1.27	1.46	1.24	.57	.42	17.76
1943	.68	1.99	2.21	1.84	1.42	.97	3.56	4.99	1.31	.46	.70	.40	23.54
1944	.77	2.57	1.03	.40	.58	2.92	4.97	1.72	2.81	1.11	.41	.97	20.26
1945	.69	.79	1.43	1.79	1.10	5.72	3.80	5.07	2.90	2.52	1.08	.81	27.70

Note.— Runoff for period August 1914 to September 1933 recomputed on basis of revised drainage area.

HYDROLOGY OF MASSACHUSETTS

Annual discharge, in second-feet, of Millers River at Erving, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1914	415	-	-	-	-	-	-	-	-
1915	415	-	-	471	-	1.29	17.38	543	19.90
1916	481	3,710	41	755	-	2.05	27.76	768	28.26
1917	451	4,500	63	646	-	1.74	22.72	623	22.89
1918	471	2,610	14	528	-	1.43	19.37	554	20.32
1919	501	3,470	22	595	-	1.60	21.83	631	23.16
1920	501	5,500	56	813	-	2.19	29.83	883	32.46
1921	521	4,350	32	782	-	2.10	28.68	663	24.32
1922	541	4,550	21	837	-	2.26	30.71	822	30.16
1923	561	4,700	18	606	-	1.64	22.25	650	23.87
1924	581	4,950	13	630	-	1.70	23.14	544	19.98
1925	601	3,100	9	438	-	1.19	16.08	527	19.34
1926	621	2,710	8	513	-	1.39	18.81	482	17.70
1927	641	3,470	12	511	-	1.36	18.76	705	25.92
1928	661	5,750	17	948	-	2.57	34.90	752	27.66
1929	681	3,490	27	657	-	1.77	24.12	589	21.64
1930	696	1,680	24	297	-	1.804	10.88	300	10.97
1931	711	2,700	11	417	-	1.13	15.28	449	16.44
1932	726	4,450	34	482	-	1.31	17.76	558	20.51
1933	741	5,400	43	716	-	1.95	26.26	696	25.53
1934	756	4,680	72	691	-	1.87	25.33	728	26.69
1935	781	4,200	24	671	-	1.61	24.58	571	20.96
1936	801	18,800	12	715	-	1.93	28.33	786	28.96
1937	821	2,460	64	711	-	1.92	26.09	756	27.71
1938	851	22,000	63	1,012	-	2.74	37.14	1,051	38.57
1939	871	4,200	47	665	-	1.78	24.19	610	18.51
1940	691	6,690	25	621	-	1.66	22.52	649	23.52
1941	921	1,350	44	354	-	1.944	12.80	321	11.60
1942	951	4,620	71	491	-	1.31	17.76	570	20.65
1943	971	2,520	79	650	-	1.73	23.54	636	23.03
1944	1001	4,370	47	558	558	1.49	20.28	518	18.80
1945	1031	3,320	115	765	765	2.04	27.70	-	-
1915 - 45	-	22,000	6	631	631	1.68	-	-	-

Note.--Runoff for period August 1914 to September 1933 recomputed on basis of revised drainage area.

SIP POND BROOK NEAR WINCHENDON, MASS.

Location.-- Water-stage recorder, lat. 42°42'45", long. 72°05'09", a quarter of a mile downstream from Massachusetts-New Hampshire State line, 1½ miles downstream from outlet of Sip Pond, and 3 miles northwest of Winchendon, Worcester County. Datum of gage is 872.82 feet above mean sea level, datum of 1929. Prior to June 30, 1916, inclined staff gage at same site and datum.

Drainage area.-- 18.2 square miles.

Records available.-- May 1916 to September 1945.

Extremes.-- 1916-45: Maximum discharge, 2,630 second-feet Sept. 21, 1938 (gage height, 13.72 feet), from rating curve extended above 1,200 second-feet on basis of critical-depth study at control section; minimum, 0.1 second-foot (regulated) Aug. 25, 1924.

Remarks.-- Flow regulated by Pearly and Sip Ponds.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	38.6	24.8	16.2	25.0	-
1917	21.8	19.2	28.8	27.6	18.4	74.7	74.8	41.2	42.6	17.7	43.5	26.1	36.5
1918	16.4	26.6	18.5	13.5	19.5	71.9	94.0	27.6	23.6	13.0	9.39	22.9	29.7
1919	18.8	18.9	37.2	35.4	20.2	62.1	62.9	78.8	16.2	5.66	1.96	9.30	30.7
1920	9.19	34.6	37.4	16.7	10.0	99.4	162	62.4	28.8	9.83	10.6	7.60	40.8
1921	23.2	26.7	87.0	29.0	16.4	70.0	71.5	51.4	9.55	12.2	5.10	2.70	33.9
1922	3.87	11.4	19.7	12.0	14.4	71.3	103	39.9	69.9	57.0	18.3	22.5	38.9
1923	21.2	25.3	12.5	28.5	23.0	54.6	114	44.9	14.3	9.55	8.88	3.17	28.0
1924	7.27	28.3	58.1	53.2	22.6	30.8	114	45.0	13.2	1.16	.67	5.44	31.6
1925	2.03	3.72	11.3	2.68	43.3	85.2	60.9	25.6	13.8	14.7	9.31	4.07	23.4
1926	7.71	24.1	32.0	18.3	15.4	28.6	111	32.7	13.8	8.09	7.24	5.45	25.3
1927	8.24	42.3	21.6	24.2	22.0	82.2	40.4	38.6	20.7	13.7	17.7	16.5	29.0
1928	22.4	77.3	65.1	40.0	28.5	33.5	59.0	55.0	45.2	34.2	56.5	55.1	47.6
1929	16.5	13.7	13.9	22.5	13.4	77.0	94.6	64.7	15.5	6.83	3.41	2.86	28.8
1930	2.38	2.60	3.80	7.97	12.1	39.5	29.6	19.6	13.9	12.3	7.16	3.91	12.9
1931	2.18	9.60	8.68	4.65	8.85	18.3	106	36.1	30.4	6.21	4.71	3.51	19.8
1932	4.86	5.31	13.7	37.2	22.9	18.9	98.6	24.4	10.4	5.52	4.95	3.70	20.8
1933	12.9	36.0	16.5	29.2	29.1	42.1	160	23.6	9.45	4.67	4.74	16.6	31.8
1934	22.9	17.4	19.1	20.9	9.7	47.7	126	34.7	24.3	6.38	5.75	11.6	28.8
1935	18.4	22.6	21.3	38.3	22.1	57.7	63.8	24.6	33.3	26.1	4.87	9.95	29.4
1936	5.81	13.2	15.7	27.6	14.3	190	76.9	22.5	12.5	6.14	4.66	3.74	33.0
1937	4.18	9.25	24.5	53.5	31.6	27.2	73.8	58.7	34.6	14.1	7.69	7.67	29.7
1938	8.44	35.7	27.6	35.0	34.9	46.0	27.7	38.3	54.7	25.5	15.1	43.8	32.4
1939	27.3	21.9	68.6	25.1	21.6	47.9	118	29.1	16.5	4.44	11.1	2.45	32.4
1940	4.83	15.4	16.2	6.56	7.19	12.1	181	58.1	36.5	11.8	4.81	3.75	29.6
1941	3.28	21.4	23.0	19.6	24.2	16.6	51.4	21.5	9.19	5.05	3.07	4.99	16.8
1942	4.75	12.0	14.8	16.8	10.4	94.4	50.9	16.6	17.6	15.8	10.4	6.26	22.7
1943	11.2	26.0	27.5	22.5	20.5	56.3	64.7	84.3	17.7	5.12	13.7	3.65	29.5
1944	11.8	40.8	15.2	7.97	10.0	35.1	104	26.9	40.2	13.5	4.79	12.3	26.7
1945	7.75	9.84	18.1	23.5	19.6	110	73.8	92.6	45.0	38.4	15.2	12.0	38.6

c Corrected.

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	2.36	1.57	1.03	1.53	-
1917	1.38	1.17	1.82	1.75	1.05	4.73	4.59	2.61	2.61	1.12	2.76	1.60	27.19
1918	1.04	1.63	1.18	.86	1.11	4.55	5.76	1.75	1.45	.82	.59	1.41	22.15
1919	1.19	1.16	2.35	2.24	1.16	3.93	3.86	4.99	.99	.36	.12	.57	22.92
1920	.58	2.12	2.36	1.06	.59	6.30	9.93	3.95	1.76	.62	.67	.47	30.41
1921	1.46	1.64	5.51	1.83	.94	4.44	4.38	3.25	.58	.77	.32	.16	25.28
1922	.23	.70	1.24	.76	.82	4.52	6.32	2.52	4.28	3.61	1.16	1.38	27.54
1923	1.34	1.43	.78	1.81	1.31	2.19	6.98	2.85	.88	.60	.53	.19	20.89
1924	.46	1.73	3.68	3.37	1.34	1.95	6.98	2.85	.81	.07	.04	.33	23.61
1925	.13	.23	.72	.17	2.82	5.40	3.74	1.63	.84	.93	.59	.25	17.45
1926	.49	1.47	2.03	1.16	.88	1.81	6.81	2.08	.84	.51	.46	.33	19.87
1927	.52	2.59	1.37	1.53	1.26	5.21	2.48	2.44	1.27	.87	1.12	1.01	21.67
1928	1.42	4.74	4.13	2.54	1.69	2.12	3.62	3.48	2.77	2.17	3.57	3.38	35.63
1929	1.04	.84	.88	1.43	.77	4.88	5.80	4.09	.95	.43	.22	.17	21.50
1930	.15	.16	.24	.50	.69	2.50	1.82	1.24	.85	.78	.45	.24	9.62
1931	.14	.59	.55	.29	.51	1.16	6.49	2.28	1.86	.39	.30	.22	14.78
1932	.31	.33	.87	2.35	1.36	1.20	6.05	1.54	.64	.35	.31	.23	15.54
1933	.82	2.21	1.04	1.84	1.67	2.66	9.81	1.50	.58	.30	.30	1.02	23.75
1934	1.45	1.07	1.21	1.35	.56	3.02	7.72	2.20	1.50	.40	.36	.71	21.55
1935	1.16	1.38	1.98	2.42	1.26	3.66	3.92	1.56	2.04	1.65	.28	.61	21.92
1936	.37	.81	.99	1.75	.85	11.99	4.72	1.43	.77	.39	.29	.23	24.59
1937	.26	.57	2.19	3.39	1.81	1.72	4.52	3.72	2.12	.89	.49	.47	22.15
1938	.53	2.06	2.39	2.22	2.00	2.21	2.82	1.75	2.34	3.47	1.61	9.26	32.66
1939	1.73	1.34	4.02	1.59	1.24	3.03	7.23	1.84	1.01	.28	.70	.15	24.16
1940	.31	.95	1.03	.42	.43	.77	11.08	3.68	2.24	.75	.30	.23	22.19
1941	.21	1.31	1.45	1.24	1.39	1.05	3.15	1.36	.56	.32	.19	.31	12.54
1942	.30	.73	.94	1.07	.59	5.89	3.12	1.05	1.08	1.00	.66	.38	16.90
1943	.71	1.60	1.74	1.42	1.17	3.56	3.97	5.34	1.08	.32	.87	.22	22.00
1944	.74	2.50	.96	.51	.59	2.23	6.35	1.70	2.46	.86	.30	.75	19.95
1945	.49	.60	1.15	1.49	1.12	6.96	4.53	5.87	2.76	2.11	.96	.74	28.78

Note.-- Runoff for period May 1916 to September 1938 recomputed on basis of revised drainage area.

Annual discharge, in second-feet, of Sip Pond Brook near Winchendon, Mass.

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Runoff in inches
1916	431	-	-	-	-	-	-
1917	451	290	7	36.5	2.01	27.19	35.7
1918	471	205	4.2	29.7	1.63	22.15	30.8
1919	501	327	1.1	30.7	1.69	22.92	31.2
1920	501	300	1.9	40.8	2.24	30.41	45.4
1921	521	250	1.3	33.9	1.88	25.28	25.3
1922	541	220	1.7	36.9	2.03	27.54	38.8
1923	561	261	1.2	28.0	1.54	20.89	31.2
1924	581	261	.1	31.6	1.74	23.61	25.2
1925	601	190	.9	23.4	1.29	17.45	27.3
1926	621	185	2.2	25.3	1.39	18.87	26.0
1927	641	180	3.6	29.0	1.59	21.67	36.8
1928	661	269	7.2	47.6	2.62	35.63	37.6
1929	681	227	2.2	28.8	1.58	21.50	25.9
1930	696	90	1.8	12.9	.709	9.62	13.9
1931	711	239	1.1	19.8	1.09	14.78	20.1
1932	726	199	1.6	20.8	1.14	15.54	24.2
1933	741, 1051	372	2.3	31.8	1.75	23.75	31.4
1934	781, 1051	348	2.8	28.8	1.58	21.53	29.9
1935	781	161	2.1	29.4	1.62	21.92	26.2
1936	801	1,080	1.7	33.0	1.81	24.59	34.1
1937	821	147	2.0	29.7	1.63	22.15	32.3
1938	851	1,740	2.5	45.8	2.41	32.66	46.6
1939	871	205	.4	32.4	1.78	24.16	25.9
1940	891	562	1.0	29.6	1.63	22.19	30.6
1941	921	88	.8	16.8	.923	12.54	15.5
1942	951	220	2.2	22.7	1.25	16.90	25.5
1943	971	137	.9	29.5	1.62	22.00	29.7
1944	1001	255	.7	26.7	1.47	19.95	24.1
1945	1031	256	2.8	38.6	2.12	28.78	-
1917 - 45	-	1,740	.1	29.9	1.64	-	-

Note.- Runoff for period May 1916 to September 1938 recomputed on basis of revised drainage area.

STREAM-FLOW RECORDS - CONNECTICUT RIVER BASIN

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PRIEST BROOK NEAR WINCHENDON, MASS.

Location.- Water-stage recorder, lat. 42°40'57", long. 72°06'56", 100 feet downstream from highway bridge, 3 miles upstream from south, and 3½ miles west of Winchendon, Worcester County. Datum of gage is 849.67 feet above mean sea level, datum of 1929. Prior to Sept. 12, 1936, the following gages at same site and datum were used: Inclined gage, May 25, 1916, to Mar. 22, 1933; float gage in tile well, Mar. 23, 1933, to Mar. 19, 1936.

Drainage area.- 19.4 square miles.

Records available.- May 1916 to September 1945.

Extremes.- 1916-45: Maximum discharge, 3,000 second-feet Sept. 21, 1938 (gage height, 9.90 feet), from rating curve extended above 250 second-feet on basis of contracted-opening determinations at gage heights 8.4 and 9.90 feet; minimum, 0.08 second-foot several times in September 1929.

Remarks.- Flow regulated by ponds and mill above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	41.2	31.3	14.2	30.0	-
1917	21.4	23.6	30.1	24.9	11.8	84.1	74.9	35.6	47.3	11.9	39.9	22.3	35.8
1918	-	-	-	-	-	-	-	-	-	-	2.11	21.4	-
1919	20.7	20.1	56.0	36.9	12.9	120	67.0	84.5	14.5	4.64	1.97	7.27	37.5
1920	8.7	48.8	37.0	6.7	8.1	134	179	65.2	37.5	10.4	29.9	13.4	48.1
1921	44.4	36.5	94.7	30.3	14.7	90.6	73.8	55.4	11.6	9.34	2.22	1.41	39.0
1922	5.33	25.5	30.5	12.1	18.5	86.3	110	56.3	125	62.5	19.3	15.7	47.3
1923	12.8	13.8	9.01	35.7	23.0	49.0	155	58.6	12.0	4.70	3.59	1.96	31.5
1924	10.7	51.3	82.5	57.9	15.4	28.2	142	48.8	8.59	1.64	1.16	5.91	37.8
1925	2.94	5.37	7.27	1.23	49.5	85.5	61.4	23.7	13.7	10.2	5.08	3.63	22.3
1926	10.3	23.0	38.5	22.1	13.1	40.5	114	25.3	10.1	3.77	2.95	1.73	25.4
1927	10.2	46.9	20.7	19.7	14.5	86.2	36.6	43.6	16.8	11.4	20.1	12.8	28.4
1928	28.3	124	64.8	38.2	25.7	37.4	84.4	57.5	51.3	46.1	68.8	54.4	55.0
1929	18.5	16.1	20.0	24.3	22.2	104	98.6	67.5	17.4	4.04	2.00	.875	33.0
1930	3.20	6.23	4.67	8.45	17.8	47.3	27.6	17.5	15.1	11.4	4.11	3.30	13.9
1931	4.00	7.61	7.64	4.77	7.62	31.2	121	47.2	33.1	2.97	3.29	3.03	22.7
1932	5.58	5.73	17.5	43.5	19.5	25.8	108	22.0	5.12	4.15	8.91	6.14	21.9
1933	14.2	4.0	17.0	33.9	30.1	48.9	175	23.2	5.21	2.82	5.38	20.0	35.2
1934	29.1	18.7	19.4	19.7	5.30	53.2	134	31.6	25.3	5.07	4.91	14.8	30.1
1935	20.3	27.8	39.5	53.9	21.2	65.8	62.1	21.8	33.1	29.9	3.29	b7	32.2
1936	b4.7	b14.3	b16.8	b30.8	b15.3	b199	b82.7	b19.0	b10.1	b4.6	b5.9	b3.3	b34.0
1937	8.77	10.4	44.7	72.1	36.6	27.5	84.2	63.2	32.5	11.0	6.61	6.51	33.6
1938	10.1	39.7	39.5	41.0	35.4	39.2	47.6	27.5	40.4	59.3	26.3	178	48.5
1939	27.0	23.6	72.7	24.5	21.1	67.8	133	25.8	9.53	4.10	10.8	3.35	35.3
1940	5.30	16.6	17.1	6.63	6.73	15.6	225	61.5	43.1	12.3	5.10	2.46	34.4
1941	2.35	17.4	25.3	23.0	23.2	19.4	50.8	19.4	9.07	6.83	2.00	5.61	16.9
1942	3.38	16.4	15.9	20.7	11.2	115	52.4	18.8	27.5	20.7	11.7	8.83	27.0
1943	12.8	31.0	24.8	26.3	23.7	67.6	65.8	90.4	19.0	8.67	10.8	2.79	32.9
1944	8.67	41.2	15.8	9.13	7.74	42.2	108	25.1	56.2	14.1	8.08	12.3	29.0
1945	9.64	11.9	23.0	25.8	21.2	111	77.5	91.9	44.9	39.0	16.5	12.4	40.6

b Estimated.

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	2.36	1.88	0.84	1.73	-
1917	1.27	1.36	1.79	1.48	0.63	5.00	4.31	2.12	2.72	.71	2.38	1.28	25.05
1918	-	-	-	-	-	-	-	-	-	-	.13	1.23	-
1919	1.23	1.16	3.33	2.19	.69	7.14	3.85	5.03	.83	.28	.12	.42	26.27
1920	.52	2.81	2.20	.40	.45	7.97	10.30	3.87	2.15	.62	1.78	.77	33.84
1921	2.64	2.10	5.63	1.80	.79	5.39	4.24	3.30	.67	.55	.13	.08	27.31
1922	.32	1.46	1.81	.72	.99	5.13	6.33	3.34	7.18	3.71	1.15	.90	33.04
1923	.76	.79	.53	2.12	1.24	2.92	8.91	3.48	.69	.28	.21	.11	22.04
1924	.64	2.94	4.90	3.44	.86	1.67	8.17	2.90	.49	.10	.07	.34	26.52
1925	.18	.31	.43	.07	2.66	5.08	3.53	1.41	.79	.61	.30	.21	15.58
1926	.61	1.33	2.28	1.31	.70	2.41	6.58	1.50	.58	.22	.18	.10	17.79
1927	.61	2.70	.23	1.18	.78	5.12	2.11	2.59	.97	.68	1.20	.74	19.91
1928	1.68	7.13	3.63	2.27	1.42	2.22	3.70	3.41	2.94	2.74	4.09	3.12	38.57
1929	1.10	.93	.19	1.44	1.19	6.18	5.67	4.01	1.00	.24	.12	.05	22.12
1930	.19	.36	.28	.50	.96	2.81	1.58	1.04	.87	.68	.24	.19	9.70
1931	.24	.44	.45	.28	.41	1.86	6.96	2.80	1.91	.18	.20	.17	15.90
1932	.33	.33	1.03	2.57	1.09	1.42	6.21	1.30	.29	.25	.23	.35	15.40
1933	.84	2.82	1.01	2.02	1.61	2.90	10.06	1.38	.30	.17	.32	1.15	24.58
1934	1.73	1.08	1.15	1.18	.28	3.16	7.71	1.88	1.45	.30	.29	.85	21.06
1935	1.21	1.60	2.35	3.20	1.14	3.91	3.57	1.29	1.91	1.78	.20	b.40	22.56
1936	b.28	b.82	b1.00	b1.83	b.85	b11.87	b4.75	b11.3	b.58	b.27	b.35	b.19	b23.92
1937	.52	.60	2.65	4.29	1.97	1.64	4.84	3.76	1.87	.65	.39	.36	23.54
1938	.60	2.29	2.35	2.43	1.90	2.33	2.73	1.64	2.32	3.53	1.57	10.24	33.93
1939	1.60	1.36	4.32	1.45	1.14	4.02	7.65	1.53	.55	.24	.64	.19	24.69
1940	.31	.95	1.01	.39	.37	.81	12.95	3.68	2.48	.73	.30	.14	24.10
1941	.14	1.00	1.50	1.36	1.25	1.15	2.92	1.15	.52	.41	.12	.32	11.84
1942	.20	.95	.85	1.23	.60	6.82	3.02	1.12	1.58	1.23	.70	.51	18.91
1943	.76	1.78	2.07	1.56	1.27	4.02	3.78	5.37	1.08	.52	.64	.16	23.02
1944	.52	2.37	.94	.43	.43	3.23	6.24	1.49	3.23	.84	.44	.70	20.55
1945	.57	.68	1.37	1.54	1.14	6.61	4.46	5.46	2.58	2.32	.98	.71	28.42

b Estimated.

Note.- Runoff for period 1916 to September 1938 recomputed on basis of revised drainage area.

HYDROLOGY OF MASSACHUSETTS

Annual discharge, in second-feet, of Priest Brook near Winchendon, Mass.

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1916	451	-	-	-	-	-	-	-
1917	451	299	1.6	35.8	1.85	25.05	-	-
1918	471	-	-	-	-	-	-	-
1919	501, 1051	569	1.5	37.5	1.93	26.27	37.2	28.08
1920	501	380	2.5	48.1	2.48	33.84	55.0	38.68
1921	521	288	.4	39.0	2.01	27.31	29.4	20.53
1922	541, 1051	493	2.8	47.3	2.44	33.04	45.1	31.55
1923	561, 1051	457	.9	31.5	1.62	22.04	40.6	28.44
1924	581, 1051	421	.9	37.8	1.95	26.52	27.0	18.96
1925	601	148	.4	22.3	1.15	15.58	27.0	18.88
1926	621	185	1.0	25.4	1.21	17.78	25.8	18.10
1927	641	294	2.4	28.4	1.46	19.91	40.0	28.03
1928	661	790	5.3	55.0	2.84	38.57	41.6	29.13
1929	681	256	.1	33.0	1.70	23.12	29.6	20.73
1930	696	128	.7	13.9	.716	9.70	14.3	10.00
1931	711	260	1.6	22.7	1.17	15.90	23.5	16.46
1932	726	305	1.4	21.9	1.13	15.40	26.2	18.38
1933	741	405	1.5	35.2	1.81	24.58	34.2	23.87
1934	756	304	2.5	30.1	1.55	21.06	31.8	22.26
1935	781	298	-	32.2	1.68	22.56	27.9	19.50
1936	801	-	-	34.0	1.75	23.92	36.4	25.59
1937	821	188	3.2	33.6	1.73	23.54	35.7	25.01
1938	851	2,280	1.9	48.5	2.50	33.95	51.4	35.97
1939	871	510	.8	35.3	1.82	24.69	28.1	19.68
1940	891	615	1.4	34.4	1.77	24.10	34.9	24.47
1941	921	98	1.2	16.9	.871	11.84	16.1	11.30
1942	951	446	1.4	27.0	1.39	18.91	30.6	21.42
1943	971	153	1.5	32.9	1.70	23.02	31.8	22.24
1944	1001	465	1.5	29.0	1.49	20.35	27.3	19.14
1945	1031	256	3.9	40.6	2.09	28.42	-	-
1917, 1919-45 . .	-	2,280	.1	33.2	1.71	-	-	-

Note.- Runoff for period June 1916 to September 1938 recomputed on basis of revised drainage area.

OTTER RIVER NEAR GARDNER, MASS.

Location.- Vertical staff gage at concrete arch bridge just upstream from Wilder and Perley (formerly Kneeland) Brooks about 1 mile west of Gardner, Worcester County.

Drainage area.- 20.0 square miles.

Records available.- June 1916 to September 1917.

Extremes.- 1916-17: Maximum discharge observed, 189 second-feet Mar. 28, 1917 (gage height, 3.60 feet); minimum gage height observed, about -0.4 foot several times in October 1917 (discharge not determined).

Remarks.- Gage read to hundredths twice daily.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	-	33.4	18.0	15.8	-
1917	10.4	18.6	29.6	27.8	20.5	87.2	70.8	46.4	47.9	24.6	28.9	18.6	36.0

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	-	1.92	1.04	0.88	-
1917	0.60	1.04	1.71	1.60	1.06	5.03	3.95	2.68	2.68	1.42	1.66	1.04	24.47

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1916	431	-	-	-	-	-	-	-
1917	451	185	4.0	36.0	1.80	24.47	-	-

STREAM-FLOW RECORDS - CONNECTICUT RIVER BASIN

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EAST BRANCH TULLY RIVER NEAR ATHOL, MASS.

Location.- Staff gage, lat. 42°38'35", long. 72°13'21", at highway bridge 1 mile downstream from Lawrence Brook and 3½ miles north of Athol, Worcester County. Datum of gage is 628.11 feet above mean sea level, datum of 1929.

Drainage area.- 50.3 square miles.

Records available.- June 1916 to September 1945.

Extremes.- 1916-45: Maximum discharge, 5,140 second-feet Sept. 21, 1938 (gage height, 8.60 feet, from floodmarks); average of determinations by computation of flow over dam and by contracted-opening method; minimum, 1.4 second-feet Sept. 4-7, 1929.

Remarks.- Gage read twice daily.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	-	77.0	41.9	75.3	-
1917	50.0	53.9	83.4	81.1	36.6	191	196	103	121	31.2	84.8	59.2	91.8
1918	50.5	82.9	35.5	25.7	64.5	218	271	84.0	58.4	19.9	7.05	58.8	81.0
1919	47.0	65.0	161	128	51.0	245	169	166	28.4	14.0	4.64	25.5	90.0
1920	26.4	145	126	22.9	28.7	293	420	170	80.4	29.5	62.6	24.1	119
1921	77.5	77.6	239	93.0	40.4	254	200	147	16.8	44.0	15.1	4.31	101
1922	15.1	48.8	105	43.2	53.4	257	268	126	244	153	52.0	46.3	118
1923	33.6	38.8	22.3	105	58.9	136	296	132	24.3	15.8	10.7	5.10	73.2
1924	26.4	86.6	176	143	44.4	85.1	290	116	24.8	5.70	4.66	29.6	86.0
1925	11.0	21.9	44.4	10.0	154	222	156	70.6	34.1	33.5	16.5	10.6	65.0
1926	26.8	77.7	68.8	75.1	48.8	135	260	71.4	29.9	9.45	5.66	3.33	69.3
1927	20.3	108	59.7	62.1	49.4	251	95.2	109	43.6	29.3	43.3	23.4	74.8
1928	61.7	281	166	113	76.0	95.5	151	144	145	119	188	138	141
1929	36.2	34.8	43.0	69.7	51.8	249	223	170	48.7	12.8	4.58	2.90	79.2
1930	4.86	12.6	13.9	38.0	59.7	126	80.0	44.8	29.1	38.9	9.07	4.02	38.3
1931	8.43	30.3	21.5	9.89	14.5	85.4	242	109	87.8	9.90	8.41	6.94	52.7
1932	15.6	17.9	58.6	118	69.7	60.0	264	61.9	15.1	11.6	7.53	12.2	59.1
1933	36.2	103	49.3	86.9	63.9	121	443	63.5	14.4	6.08	22.6	35.9	92.2
1934	90.7	69.4	65.3	72.7	32.8	167	356	118	70.5	12.8	8.82	46.4	91.0
1935	57.4	60.7	107	144	67.0	184	167	66.7	88.3	57.3	7.01	23.5	67.5
1936	13.7	39.6	43.0	90.3	43.2	525	201	54.8	29.0	12.1	14.2	7.79	89.9
1937	29.8	34.5	132	186	104	90.1	200	150	94.0	36.9	18.3	21.5	91.4
1938	41.3	112	102	129	107	108	128	80.1	106	145	74.0	386	126
1939	81.1	63.7	177	72.4	61.7	155	298	76.3	23.5	7.97	25.7	5.79	87.4
1940	9.96	41.5	52.5	17.5	17.7	45.8	526	145	91.9	29.4	5.88	4.57	81.9
1941	4.26	58.8	68.3	58.6	66.3	45.7	123	44.5	22.3	33.1	9.41	18.1	45.6
1942	9.34	40.6	45.2	55.7	29.8	287	151	53.5	65.8	39.1	17.7	10.2	64.1
1943	25.2	76.7	93.6	93.8	66.4	181	165	225	50.9	8.17	21.6	5.87	84.0
1944	26.7	123	39.5	14.8	21.7	135	268	66.7	139	36.0	7.02	27.8	75.3
1945	19.9	25.4	53.6	69.2	49.8	261	190	247	115	116	37.6	29.5	102

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	-	-	-	-	-	-	1.76	0.96	1.67	-
1917	1.15	1.19	1.91	1.86	0.80	4.36	4.35	2.36	2.69	.72	1.95	1.32	24.68
1918	1.15	1.66	.81	.59	1.33	4.99	6.01	1.92	1.29	.46	.16	1.26	21.83
1919	1.06	1.40	3.00	2.93	1.05	5.62	3.75	3.80	.63	.32	.11	.56	24.25
1920	.60	3.17	2.88	.52	.51	6.72	9.32	3.90	1.78	.68	1.43	.53	32.04
1921	1.78	1.72	5.48	2.13	.94	5.82	4.44	3.37	.37	1.01	.35	.10	27.41
1922	.35	1.06	2.41	.99	1.10	5.89	2.88	5.41	3.50	1.19	.103	31.78	
1923	.77	.86	.51	2.41	1.22	3.11	6.56	3.02	.54	.36	.25	.11	19.72
1924	.60	1.92	4.04	3.27	.95	1.95	6.44	2.66	.55	.13	.11	.66	25.28
1925	.25	.48	1.02	.23	3.19	5.08	3.50	1.61	.76	.77	.28	.24	17.51
1926	.61	1.72	2.04	1.72	1.01	3.09	5.77	1.64	.66	.22	.13	.07	18.68
1927	.47	2.40	1.35	1.42	1.02	5.75	2.11	2.50	.97	.67	.99	.52	20.17
1928	1.42	6.24	4.27	2.59	1.63	2.19	3.35	3.30	3.21	2.75	4.31	3.06	39.30
1929	.85	.77	.98	1.60	1.07	5.71	4.94	3.90	1.08	.29	.10	.06	21.53
1930	.11	.28	.32	.87	1.24	2.88	1.77	1.03	.64	.89	.21	.09	10.33
1931	.19	.67	.49	.23	.30	1.96	5.37	2.50	1.95	.23	.19	.15	14.23
1932	.36	.40	1.34	2.71	1.50	1.37	5.66	1.42	.34	.27	.17	.27	16.01
1933	.83	2.29	1.13	1.99	1.74	2.76	9.83	1.45	.32	.14	.52	1.86	24.88
1934	2.08	1.54	1.52	1.67	.70	3.83	7.45	2.71	1.56	.29	.20	1.03	24.58
1935	1.31	1.78	2.46	3.30	1.38	4.22	3.70	1.53	1.96	1.31	.16	.52	23.63
1936	.31	.88	.98	2.08	.93	11.99	4.46	1.26	.64	.28	.32	.17	24.30
1937	.69	.76	3.02	4.27	2.16	2.06	4.44	3.44	2.09	.85	.42	.48	24.67
1938	.95	2.43	2.34	2.95	2.22	2.46	2.83	1.83	2.35	3.32	1.70	8.60	34.06
1939	1.96	1.42	4.06	1.66	1.28	3.55	6.60	1.75	.52	.18	.59	.13	23.60
1940	.23	.92	1.20	.40	.38	1.05	11.70	3.32	2.04	.67	.13	.10	22.14
1941	.10	1.30	1.57	1.34	1.37	1.05	2.72	1.02	.49	.76	.22	.36	12.30
1942	.21	.90	1.04	1.28	.62	6.13	2.90	1.23	1.46	.90	.41	.23	17.31
1943	.56	1.75	2.15	1.92	1.38	4.14	3.65	5.16	1.12	.19	.49	.13	22.67
1944	.66	2.72	.90	.34	.47	3.10	5.95	1.57	3.08	.82	.18	.62	20.59
1945	.46	.56	1.23	1.59	1.03	5.97	4.22	5.66	2.56	2.66	.66	.65	27.45

Note.- Runoff for period July 1916 to September 1939 recomputed on basis of revised drainage area.

Annual discharge, in second-feet, of East Branch Tully River near Athol, Mass.

Year	W.S.P.	Water year ending Sept. 30				Calendar year		
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1916	451	-	-	-	-	-	-	-
1917	451	775	6.2	91.3	1.82	24.68	89.8	24.25
1918	471	565	2.9	81.0	1.61	21.83	87.1	23.49
1919	501	632	2.2	90.0	1.79	24.25	94.4	25.42
1920	501	975	9.2	119	2.37	32.04	127	34.37
1921	521	750	2.2	101	2.01	27.41	82.4	22.27
1922	541	900	8.5	118	2.35	31.78	112	30.08
1923	581	690	2.8	73.2	1.46	19.72	89.3	24.14
1924	581	725	2.5	86.0	1.71	23.28	68.3	18.47
1925	601	540	3.6	65.0	1.29	17.51	74.7	20.13
1926	621	460	2.2	69.3	1.38	18.68	70.1	18.53
1927	641	625	3.5	74.8	1.49	20.17	103	27.88
1928	661, 1051	1,270	11	141	2.80	38.30	107	26.95
1929		681	1.4	79.2	1.57	21.33	72.2	19.46
1930		300	1.7	38.3	.761	10.33	40.7	10.97
1931	711	472	3.1	52.7	1.05	14.23	55.5	14.98
1932	726	773	1.5	59.1	1.17	16.01	67.1	18.16
1933	741	858	3.9	92.2	1.83	24.88	95.4	25.77
1934	756	800	4.3	91.0	1.81	24.58	92.6	24.99
1935	781	638	3.5	87.5	1.74	23.63	75.0	20.25
1936	801	3,030	3.9	89.9	1.79	24.30	98.5	26.59
1937	821	369	4.9	91.4	1.82	24.67	96.2	25.99
1938	851	3,650	6.6	126	2.50	34.06	132	35.62
1939	871	690	2.5	87.4	1.74	23.60	69.0	18.61
1940	891	1,490	2.2	81.9	1.63	22.14	84.2	22.76
1941	921	247	2.0	45.6	.907	12.30	42.5	11.48
1942	951	740	2.5	64.1	1.27	17.31	72.7	19.64
1943	971	365	2.4	84.0	1.67	22.67	83.3	22.47
1944	1001	974	2.0	75.3	1.50	20.29	67.8	18.36
1945	1081	540	7.9	102	2.03	27.45	-	-
1917 - 45	-	3,650	1.4	84.7	1.68	-	-	-

Note.- Runoff for period July 1916 to September 1939 recomputed on basis of revised drainage area.

MOSS BROOK AT WENDELL DEPOT, MASS.

Location.-- Staff gage, lat. 42°36'10", long. 72°21'36", a quarter of a mile upstream from mouth and a quarter of a mile north of Wendell Depot, Franklin County. Datum of gage is 508.9 feet above mean sea level, datum of 1929. June 4 to Oct. 16, 1909, staff gage about 100 feet upstream from mouth; April 25 to Aug. 27, 1910, staff gage near present site.

Drainage area.-- 12.3 square miles. Prior to April 1910, 12.5 square miles.

Records available.-- June to October 1909, April to August 1910, June 1916 to September 1945.

Extremes.-- 1916-45: Maximum discharge, 1,540 second-feet Mar. 19, 1936 (gage height, 6.30 feet, from floodmarks), from rating curve extended above 280 second-feet on basis of slope-area determinations at gage heights 5.62 and 6.30 feet; minimum, 0.2 second-foot Sept. 4, 5, 1929.

Remarks.-- Gage read twice daily.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1909	-	-	-	-	-	-	-	-	-	2.84	3.39	4.58	-
1910	-	-	-	-	-	-	-	14.4	7.80	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	11.2	4.62	6.83	-
1917	7.00	11.9	17.5	17.9	12.8	45.5	39.0	28.5	31.6	7.93	5.60	3.41	19.1
1918	10.0	11.9	6.97	5.21	18.0	47.5	53.2	20.7	9.81	3.27	1.45	6.91	16.2
1919	5.24	8.30	25.5	23.9	13.4	60.3	38.6	42.4	7.39	6.53	2.65	8.46	20.3
1920	6.65	26.6	28.9	6.88	7.92	67.6	98.9	51.2	29.1	11.2	7.82	6.22	29.1
1921	14.1	20.1	61.7	38.2	15.4	58.3	50.5	50.0	13.2	21.8	7.77	2.38	29.6
1922	5.18	19.5	47.0	9.29	14.0	79.2	65.8	46.2	64.6	35.7	13.3	13.7	34.6
1923	9.63	13.4	7.55	23.3	10.1	39.0	86.4	35.7	9.32	5.14	2.53	2.17	20.3
1924	8.96	30.2	50.1	52.7	12.7	26.3	71.5	30.1	7.06	2.61	2.28	9.77	25.4
1925	4.68	6.26	16.6	2.80	52.8	73.1	37.9	16.3	7.93	8.46	4.63	3.94	19.4
1926	8.95	20.6	36.6	16.9	9.77	26.2	57.1	15.3	6.92	8.74	3.33	1.33	17.2
1927	6.01	28.0	14.2	17.6	13.2	76.7	25.0	32.9	13.2	10.7	10.2	5.12	20.8
1928	17.1	88.3	46.7	51.1	22.3	25.8	52.6	41.6	55.8	26.0	39.4	30.4	39.2
1929	8.58	9.14	12.0	18.3	33.6	72.0	64.3	52.0	14.6	4.28	1.23	1.31	24.2
1930	2.08	4.30	6.12	9.70	15.4	39.2	26.7	13.1	9.10	10.8	1.39	1.12	11.6
1931	1.92	6.04	4.48	2.61	4.07	25.5	49.1	29.3	24.6	4.25	3.21	2.27	13.1
1932	3.57	4.14	12.0	24.4	18.5	15.4	62.5	12.7	4.30	5.29	1.78	1.89	13.8
1933	7.49	23.5	11.8	22.9	18.9	29.2	125	15.0	3.81	1.65	5.15	18.2	23.3
1934	19.6	15.5	12.5	13.6	3.82	29.7	94.6	29.7	17.8	5.26	2.07	13.9	21.5
1935	16.7	20.6	21.9	27.7	12.7	35.5	37.6	20.0	20.1	8.74	1.35	3.71	18.9
1936	2.89	8.74	9.44	22.6	9.17	131	54.7	13.0	6.33	2.65	4.50	4.99	22.6
1937	7.48	8.69	32.5	47.7	28.3	24.4	53.4	43.4	28.9	9.14	4.61	9.02	24.6
1938	13.3	37.3	25.1	32.7	23.5	24.6	30.1	20.9	26.5	24.4	12.9	66.1	28.0
1939	20.8	17.3	46.2	20.8	17.4	42.9	73.9	15.1	6.15	2.13	10.4	4.56	23.1
1940	4.01	10.1	12.9	4.69	6.11	12.3	124	34.7	27.9	8.75	2.69	2.50	20.7
1941	2.16	16.1	19.6	13.9	16.1	13.0	26.6	10.7	4.82	5.57	1.67	2.67	11.0
1942	2.04	7.07	11.3	13.0	6.21	67.2	28.5	14.2	11.1	7.70	3.57	3.17	14.7
1943	5.32	23.5	24.9	18.1	17.6	47.1	42.7	54.5	12.2	2.37	2.62	2.09	21.1
1944	7.66	23.6	9.30	3.85	5.43	35.9	60.0	14.8	18.6	11.1	3.70	10.4	17.0
1945	7.59	10.8	19.0	19.2	13.7	62.3	51.8	67.2	29.1	29.8	9.60	9.22	27.3

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1909	-	-	-	-	-	-	-	-	-	0.26	0.31	0.41	-
1910	-	-	-	-	-	-	-	1.35	0.70	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	1.05	.43	.62	-
1917	0.66	1.08	1.64	1.68	1.08	4.27	3.54	2.68	2.87	.74	.52	.31	21.07
1918	.94	1.08	.65	.49	1.52	4.45	4.83	1.94	.89	.31	.14	.63	17.87
1919	.49	.75	2.39	2.24	1.14	5.65	3.50	3.98	.67	.61	.25	.77	22.44
1920	.62	2.41	2.71	.64	.69	6.34	8.97	4.80	2.64	1.05	.73	.56	32.16
1921	1.33	1.82	5.79	3.59	1.30	5.46	4.56	4.69	1.19	2.04	.73	.22	32.72
1922	.48	1.77	4.40	.87	1.19	7.42	5.97	4.34	5.86	3.34	1.24	1.24	38.12
1923	.90	1.22	.69	2.18	.86	3.66	7.83	3.34	.84	.48	.23	.20	22.43
1924	.64	2.74	4.69	4.93	1.11	2.47	6.48	2.82	.64	.24	.21	.88	28.05
1925	.44	.58	1.56	.26	4.47	6.85	3.44	1.53	.72	.79	.43	.36	21.43
1926	.84	1.86	3.44	1.58	.83	2.46	5.18	1.43	.63	.35	.31	.12	19.03
1927	.56	2.09	1.33	1.65	1.11	7.19	2.26	3.08	1.19	1.00	.95	.46	22.87
1928	1.60	7.55	4.38	2.92	1.95	4.42	4.78	3.90	4.89	2.43	3.69	2.76	43.26
1929	.80	.83	1.12	1.72	2.84	6.74	5.84	4.89	1.33	.40	.12	.12	26.74
1930	.19	.39	.57	.91	1.30	3.68	2.42	1.23	.83	1.01	.19	.10	12.82
1931	.18	.55	.42	.24	.34	2.39	4.45	2.74	2.23	.40	.30	.21	14.45
1932	.33	.38	1.12	2.28	1.62	1.44	5.67	1.19	.39	.50	.17	.17	15.26
1933	.70	2.13	1.10	2.14	1.60	2.73	11.38	1.41	.35	.15	.48	1.65	25.82
1934	1.33	1.41	1.18	1.28	.52	2.78	8.58	2.78	1.62	.49	.19	1.26	23.72
1935	1.57	1.86	2.05	2.59	1.07	3.33	3.41	1.88	1.82	.82	.13	.34	20.87
1936	.27	.79	.88	2.12	.80	12.34	4.96	1.22	.56	.25	.42	.45	25.06
1937	.70	.79	3.04	4.47	2.40	2.28	4.84	4.07	2.44	.86	.43	.82	27.14
1938	1.24	3.38	2.35	3.07	1.99	2.31	2.73	1.96	2.40	2.28	1.21	5.99	30.91
1939	1.95	1.57	4.34	1.95	1.47	4.02	6.70	1.42	.56	.20	.97	.41	25.56
1940	.58	.92	1.21	.44	.54	1.15	11.25	3.25	2.53	.82	.25	.23	22.97
1941	.20	1.46	1.83	1.30	1.36	1.22	2.41	1.01	.44	.52	.16	.24	12.15
1942	.19	.64	1.06	1.22	.58	6.29	2.59	1.35	1.01	.72	.33	.23	16.20
1943	.50	2.13	2.34	1.70	1.49	4.41	3.67	5.11	1.11	.22	.25	.19	23.32
1944	.72	2.14	.87	.36	.48	3.37	5.44	1.38	1.69	1.10	.35	.95	18.79
1945	.71	.98	1.78	1.80	1.16	5.84	4.70	6.30	2.64	2.79	.90	.84	30.44

Note.-- Runoff for period May 1910 to September 1939 recomputed on basis of revised drainage area.

Annual discharge, in second-feet, of Moss Brook at Wendell Depot, Mass.

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1909	415	-	-	-	-	-	-	-
1910	415	-	-	-	-	-	-	-
1916	431	-	-	-	-	-	-	-
1917	451, 1051	220	0.6	19.1	1.55	21.07	18.4	20.36
1918	471	106	1.0	16.2	1.22	17.87	17.1	18.86
1919	501, 1051	305	1.4	20.3	1.65	22.44	22.2	24.55
1920	501, 1051	230	2.0	29.1	2.37	32.16	31.3	35.56
1921	521, 1051	185	1.3	29.6	2.41	32.72	27.6	30.43
1922	541, 1051	292	2.0	34.6	2.81	38.12	31.1	34.28
1923	561, 1051	280	.7	20.3	1.65	22.43	25.3	27.89
1924	581, 1051	305	1.1	25.4	2.07	28.05	20.2	22.36
1925	601, 1051	230	1.4	19.4	1.58	21.43	22.6	24.99
1926	621	145	.7	17.2	1.40	19.03	15.3	16.87
1927	641	207	1.0	20.8	1.69	22.87	29.4	32.42
1928	661	574	2.5	39.2	3.19	43.26	29.4	32.48
1929	681	222	.3	24.2	1.97	26.74	22.8	25.14
1930	696	154	.6	11.6	.943	12.82	11.6	12.82
1931	711	140	.8	13.1	1.07	14.45	13.7	15.13
1932	726	258	.8	13.8	1.12	15.26	15.7	17.36
1933	741	219	1.2	23.3	1.89	25.82	23.8	26.31
1934	756	260	.9	21.5	1.75	23.72	22.5	24.78
1935	781	163	.8	18.9	1.54	20.87	15.7	17.33
1936	801	922	1.0	22.6	1.84	25.06	25.0	27.65
1937	821	175	1.0	24.6	2.00	27.14	26.8	29.58
1938	851	660	1.6	28.0	2.28	30.91	28.8	31.80
1939	871	235	.9	23.1	1.88	25.56	18.3	20.21
1940	891	296	1.2	20.7	1.68	22.97	21.6	23.95
1941	921	84	.9	11.0	.894	12.15	9.56	10.55
1942	951	227	.8	14.7	1.23	18.20	17.5	19.28
1943	971	123	1.2	21.1	1.72	23.32	20.0	22.08
1944	1001	131	1.3	17.0	1.38	18.79	16.7	18.53
1945	1031	263	3.1	27.6	2.24	30.44	-	-
1917-45	-	922	.3	21.7	1.76	-	-	-

Note.- Runoff for period May 1910 to September 1939 recomputed on basis of revised drainage area.

DEERFIELD RIVER AT CHARLEMONT, MASS.

Location.- Water-stage recorder, lat. 42°37'33", long. 72°51'20", 1 mile downstream from Charlemont, Franklin County. Datum of gage is 517.36 feet above mean sea level, datum of 1929.

Drainage area.- 362 square miles.

Records available.- June 1913 to September 1945.

Extremes (regulated).- 1913-45: Maximum discharge, 56,300 second-feet Sept. 21, 1938 (gage height, 20.17 feet, from floodmarks), from rating curve extended above 10,000 second-feet on basis of slope-area and contracted-opening determinations at gage heights 14.20 and 20.17 feet; no flow June 17, 1921 (gage height, 0.70 foot); minimum daily, 5 second-feet June 17, 1921.

Remarks.- Flow regulated by reservoirs and power plants above station. Runoff in inches adjusted for change in contents in Somerset Reservoir (since July 1913) and Harriman Reservoir (since February 1924).

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	-	-	-	-	-	-	175	219	167	-
1914	540	1,170	616	363	298	1,360	4,120	1,280	279	477	567	190	935
1915	90.8	177	185	761	1,400	515	1,570	396	224	1,610	1,190	541	712
1916	600	715	1,180	1,290	1,180	728	2,860	1,370	890	569	427	439	1,010
1917	436	747	691	572	590	1,250	2,410	1,410	c860	296	299	309	621
1918	727	443	433	384	808	1,480	2,500	885	407	225	305	426	749
1919	527	599	969	583	268	1,990	1,590	2,030	344	274	269	819	860
1920	699	1,450	877	440	415	2,130	3,160	1,010	875	418	389	364	1,020
1921	591	748	1,670	724	669	8,640	1,270	874	425	614	537	270	993
1922	270	591	75	537	537	2,110	1,370	1,190	513	484	437	884	884
1923	566	338	234	636	522	1,050	3,290	911	554	226	139	245	706
1924	1,080	970	1,630	1,190	360	491	1,520	1,460	550	574	397	524	896
1925	681	429	683	526	948	1,290	964	729	619	652	665	676	750
1926	615	1,020	1,220	1,070	1,130	630	1,700	771	639	766	497	406	869
1927	453	825	840	878	915	1,430	694	555	581	616	721	700	767
1928	746	2,100	2,030	1,810	1,600	1,290	1,800	1,050	1,410	946	1,201	1,020	1,360
1929	930	863	579	667	881	1,750	2,450	1,630	668	642	527	398	995
1930	542	519	524	957	1,110	1,050	664	509	555	521	525	841	661
1931	352	407	598	389	331	429	1,630	1,400	1,330	462	477	496	693
1932	572	350	823	1,070	1,260	1,190	1,590	451	478	205	530	623	741
1933	569	1,070	1,070	1,230	1,000	760	2,330	725	753	416	226	763	905
1934	525	717	786	961	601	981	1,836	737	599	643	465	527	781
1935	603	761	1,030	1,457	1,348	1,490	898	568	336	632	712	678	874
1936	679	439	720	926	504	3,521	1,920	563	693	443	394	325	931
1937	310	904	1,135	1,766	1,694	696	1,586	1,996	485	542	355	602	965
1938	1,067	1,424	1,555	1,176	1,412	1,709	327	433	564	718	826	2,404	1,156
1939	857	915	1,214	1,106	1,172	1,527	2,217	941	594	135	287	387	943
1940	324	675	605	498	297	450	2,146	2,775	932	501	562	380	846
1941	384	705	1,048	1,033	1,294	1,106	1,167	328	188	136	319	342	667
1942	211	337	729	947	992	1,090	2,177	700	390	366	220	366	707
1943	479	1,226	1,010	971	1,113	1,443	1,717	2,889	750	321	367	419	1,062
1944	507	1,234	965	783	581	619	2,097	578	674	248	359	429	749
1945	342	717	845	751	964	2,107	1,790	2,066	1,269	1,006	502	359	1,058

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	-	-	-	-	-	-	0.33	0.25	0.53	-
1914	1.89	4.04	2.09	1.23	0.89	4.55	13.61	4.43	0.56	7.68	4.20	35.07	25.07
1915	.32	.65	.51	2.72	4.37	1.73	5.37	1.44	.39	5.42	4.05	1.43	28.40
1916	1.57	2.14	3.60	4.59	3.52	2.41	9.50	4.90	2.96	1.75	.59	.96	38.29
1917	.95	2.33	2.04	1.53	1.17	4.17	8.08	5.03	c2.97	.86	.88	.43	c30.44
1918	2.43	1.17	.77	.69	2.26	5.03	8.45	3.29	1.46	.36	.33	1.32	27.56
1919	1.84	1.98	3.25	1.94	.52	6.91	5.24	6.88	.78	.48	.64	2.60	33.06
1920	2.42	4.74	2.73	.44	.39	7.28	10.60	3.63	2.92	1.28	1.04	.99	38.44
1921	1.88	2.57	5.64	1.98	1.34	12.57	4.25	2.88	1.00	1.97	.68	.30	37.06
1922	.68	2.21	2.59	1.20	1.42	7.07	10.58	4.75	3.95	.71	1.05	.63	36.84
1923	.61	.95	.69	2.19	1.03	3.47	11.03	3.18	1.64	.56	.40	.71	26.46
1924	3.31	3.05	5.51	3.79	.80	1.65	9.90	6.65	.81	.34	.30	.86	36.97
1925	.92	1.45	1.89	.52	4.52	6.88	4.65	2.32	1.34	1.80	.77	1.28	28.24
1926	2.03	4.76	3.49	1.24	.65	1.82	9.63	4.62	1.52	.46	.34	.52	31.08
1927	1.65	4.28	1.88	1.58	1.16	7.32	4.35	3.04	1.54	1.11	1.09	.94	29.24
1928	2.71	9.99	5.65	5.92	2.54	3.68	7.40	6.09	4.20	2.69	6.85	1.77	52.80
1929	.90	1.10	1.61	2.14	.87	9.30	10.72	5.70	.98	.47	.20	.28	24.27
1930	.58	1.26	1.72	3.29	2.94	4.23	3.73	2.59	2.04	.72	.35	.23	23.69
1931	.26	1.36	.89	.52	.41	1.51	10.76	5.54	4.04	1.27	.39	.73	27.68
1932	.47	1.17	2.95	5.10	1.60	1.33	9.34	2.86	7.0	.73	.65	.22	27.12
1933	2.22	5.49	1.35	2.44	1.20	12.83	2.90	4.40	.28	1.51	2.15	3.04	34.04
1934	1.50	1.48	1.99	2.17	.53	4.05	10.58	2.65	2.29	.50	.21	1.80	29.75
1935	1.59	2.98	2.88	4.52	1.00	5.16	4.59	3.45	1.72	3.06	.53	.71	32.19
1936	.43	2.61	1.29	1.87	.77	17.18	6.48	2.01	.78	.69	.89	.55	35.54
1937	1.92	2.21	4.65	5.87	2.99	1.18	8.23	7.26	1.78	.76	.49	1.08	38.42
1938	3.29	4.84	2.12	3.45	3.55	5.16	4.24	2.72	1.22	3.80	1.68	8.50	44.57
1939	1.57	1.60	4.48	1.61	1.92	3.78	11.49	3.54	.70	.28	.46	.62	32.06
1940	.93	1.48	1.41	.55	.45	.88	11.45	10.85	2.88	1.29	.31	1.40	33.68
1941	.41	2.91	3.49	1.53	2.10	1.32	6.59	1.67	1.01	.79	.39	.75	22.96
1942	1.40	2.01	2.02	2.36	.92	4.92	9.58	3.25	1.14	1.11	.49	.97	30.17
1943	1.25	4.06	2.09	1.28	1.94	4.61	8.02	11.23	2.12	.56	1.02	.22	38.55
1944	1.65	4.12	.96	.64	.75	3.54	9.65	3.65	2.59	.89	.40	1.17	28.63
1945	1.05	.99	1.92	2.05	1.30	10.80	6.56	6.55	3.73	3.05	.72	.96	39.68

c Corrected.

HYDROLOGY OF MASSACHUSETTS

Annual discharge, in second-feet, of Deerfield River at Charlemon, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1912	415	-	-	-	-	-	-	-	-
1914	415	15,700	30	935	936	2.59	35.07	774	28.53
1915	415	12,200	29	712	756	2.09	28.40	889	34.23
1916	431	7,170	191	1,010	1,020	2.82	38.29	960	36.30
1917	451	7,140	90	821	814	2.25	30.44	799	29.47
1918	471	6,500	46	749	735	2.03	27.56	791	30.26
1919	501	14,000	64	860	881	2.43	35.06	937	35.88
1920	501	8,950	81	1,020	1,020	2.82	38.44	1,023	38.64
1921	521	14,800	5	993	991	2.74	37.06	882	32.45
1922	541	12,600	62	984	982	2.71	36.84	919	35.61
1923	561	9,900	48	706	706	1.95	26.46	955	36.08
1924	581	13,000	57	896	983	2.72	36.97	739	29.36
1925	601	6,520	70	730	755	2.09	28.34	818	34.36
1926	621	5,250	90	809	829	2.29	31.08	807	28.11
1927	641	4,100	96	787	780	2.15	29.24	998	40.46
1928	661	16,800	132	1,360	1,420	3.95	52.90	1,156	38.98
1929	681	7,760	28	995	914	2.52	34.27	913	34.23
1930	696	2,990	45	631	632	1.75	23.69	628	22.63
1931	711	10,500	75	693	738	2.04	27.68	724	29.76
1932	726	3,990	42	741	721	1.99	27.12	822	31.59
1933	741	6,640	48	905	909	2.51	34.04	848	29.95
1934	756	6,240	71	781	793	2.19	29.75	812	32.23
1935	781	8,340	104	874	859	2.37	32.19	828	29.06
1936	801	21,700	71	931	945	2.61	35.54	973	40.00
1937	821	11,900	72	983	1,026	2.83	38.42	1,109	39.89
1938	851	20,600	108	1,158	1,189	3.28	44.57	1,084	41.97
1939	871	5,630	54	943	854	2.36	32.06	827	28.23
1940	891	10,900	57	846	896	2.48	33.68	891	36.67
1941	921	3,300	56	667	612	1.69	22.96	594	21.58
1942	951	5,090	64	707	804	2.22	30.17	827	32.14
1943	971	8,460	95	1,062	1,023	2.55	38.55	1,061	37.68
1944	1001	7,850	85	749	782	2.10	28.83	683	25.86
1945	1031	9,590	98	1,058	1,059	2.95	39.68	-	-
1914 - 45	-	21,700	5	879	886	2.45	-	-	-

c Corrected.

DEERFIELD RIVER AT SHELBURNE FALLS, MASS.

Location.- At power station No. 3 of New England Power Co. about 1 mile downstream from Shelburne Falls, Franklin County. Prior to Jan. 1, 1914 at plant of Greenfield Electric Light & Power Co. just downstream.

Drainage area.- 500 square miles. Prior to January 1914, 501 square miles.

Records available.- June 1907 to September 1915.

Remarks.- Flow regulated by power plants and by Somerset Reservoir (since 1913). Runoff in inches may not represent natural flow because of regulation.

Cooperation.- Records furnished by H. K. Barrows, Boston, Mass., and by the New England Power Co.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1907	-	-	-	-	-	-	-	-	274	-	122	567	-
1908	1,230	1,800	947	731	965	2,210	2,550	2,700	620	370	274	-	-
1909	-	207	236	750	1,230	904	5,060	1,350	689	152	249	313	-
1910	314	284	242	1,500	970	3,630	1,850	851	1,120	163	110	163	933
1911	132	307	169	997	301	947	3,230	986	774	148	234	668	741
1912	2,130	1,180	1,100	366	309	1,840	4,010	1,780	940	156	245	248	1,190
1913	1,450	1,650	1,430	2,430	876	3,240	1,630	849	334	181	244	212	1,210
1914	674	1,070	679	486	416	2,320	5,850	1,720	333	499	608	206	1,240
1915	108	253	173	997	1,750	732	2,300	552	266	1,920	1,850	679	959

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1907	-	-	-	-	-	-	-	-	0.61	-	0.28	1.26	-
1908	2.84	4.00	2.18	1.68	2.08	5.08	5.68	6.21	1.28	.85	.63	-	-
1909	-	.46	.54	1.68	2.56	2.08	11.27	8.10	1.54	.25	.57	.70	-
1910	.72	.63	.56	3.45	2.02	8.35	4.12	1.96	2.50	.38	.25	.37	25.31
1911	.80	.68	.39	4.29	.63	2.18	7.20	2.27	1.73	.34	.54	1.48	20.03
1912	4.90	2.63	2.54	.84	.67	4.24	8.93	4.09	2.10	.36	.56	.55	32.41
1913	3.23	3.68	3.27	5.60	1.82	7.47	2.63	1.96	.75	.42	.56	.47	32.96
1914	1.56	2.39	1.56	1.12	.87	5.35	13.05	3.97	.74	1.15	1.41	.46	33.63
1915	.25	.56	.40	2.27	3.44	1.68	5.13	1.27	.59	4.43	4.27	1.52	25.81

Annual discharge, in second-feet, of Deerfield River at Shelburne Falls, Mass.

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1907	415	-	-	-	-	-	-	-
1908	415	-	-	-	-	-	-	-
1909	415	-	-	-	-	-	960	25.76
1910	415	16,900	14	933	1.86	25.31	914	24.77
1911	415	8,700	0	741	1.48	20.03	1,060	28.73
1912	415	11,100	51	1,190	2.38	32.41	1,200	32.62
1913	415	19,200	0	1,210	2.42	32.96	1,040	28.19
1914	415	15,100	17	1,240	2.48	33.63	1,080	29.33
1915	415	20,200	0	959	1.92	25.81	-	-
1910-15	-	20,200	0	1,050	2.10	-	-	-

DEERFIELD RIVER NEAR WEST DEERFIELD, MASS.

Location.- Water-stage recorder, lat. 42°32'09", long. 72°39'14", 0.4 mile downstream from South River, 1½ miles west of West Deerfield, Franklin County, and 2½ miles west of Deerfield. From March 1904 to December 1905, chain gage at suspension bridge 1.5 miles downstream.

Drainage area.- 558 square miles. Prior to January 1906, 562 square miles (revised).

Records available.- March 1904 to December 1905 (published as Deerfield River near Deerfield); October 1940 to September 1945.

Extremes.- 1904-05, 1940-45: Maximum discharge 21,300 second-feet Apr. 26, 1945 (gage height, 9.56 feet), from rating curve extended above 7,700 second-feet by logarithmic plotting; minimum daily, 57 second-feet (regulated) Aug. 17, 1941.

Remarks.- Flow regulated by reservoirs and several power plants above station. Runoff in inches adjusted for change in contents in Somerset and Harriman Reservoirs (since October 1940).

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1904	-	-	-	-	-	-	4,050	2,270	1,200	411	476	915	-
1905	983	336	-	-	-	-	3,380	716	682	421	588	2,110	-
1906	630	696	-	-	-	-	-	-	-	-	-	-	-
1941	451	998	1,461	1,301	1,739	1,261	1,783	516	316	209	370	382	901
1942	248	437	947	1,241	1,127	2,200	3,068	1,109	597	566	342	552	1,034
1943	673	1,919	1,571	1,261	1,508	2,397	2,772	3,945	1,105	479	503	516	1,554
1944	756	1,896	1,226	961	693	1,140	3,240	937	998	369	441	605	1,101
1945	456	944	1,256	1,103	1,354	3,531	2,683	3,125	1,850	1,369	688	482	1,573

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1904	-	-	-	-	-	-	8.04	4.66	2.39	0.84	0.96	1.82	-
1905	2.02	0.67	-	-	-	-	6.70	1.46	1.35	.86	1.21	4.18	-
1906	1.29	1.38	-	-	-	-	-	-	-	-	-	-	-
1941	.40	2.48	3.12	1.55	2.20	1.38	5.51	1.47	.91	.66	.36	.57	20.61
1942	.98	1.50	1.76	2.14	.85	5.48	8.00	2.95	1.15	1.13	.57	1.00	27.51
1943	1.21	4.02	2.51	1.40	1.99	4.88	7.31	9.47	2.08	.69	.94	.34	36.84
1944	1.58	4.00	1.16	.78	.80	3.37	8.55	2.40	2.39	.70	.30	1.11	27.14
1945	.92	1.10	2.09	2.06	1.57	9.95	6.04	6.50	3.58	2.73	.85	.87	38.26

Note.- Runoff for period April 1904 to November 1905 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Observed			Adjusted		Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Runoff in inches
1904	415	-	-	-	-	-	-	-
1905	415	-	-	-	-	-	-	-
1906	415	-	-	-	-	-	-	-
1941	921	7,000	57	901	847	1.52	20.61	794
1942	951	6,940	59	1,034	1,131	2.03	27.51	1,245
1943	971	10,300	98	1,554	1,515	2.72	36.84	1,550
1944	1001	12,200	80	1,101	1,114	2.00	27.14	1,000
1945	1051	14,500	80	1,573	1,573	2.82	38.26	-
1941-45	-	14,500	57	1,233	1,236	2.22	-	-

HYDROLOGY OF MASSACHUSETTS

NORTH RIVER AT SHATTUCKVILLE, MASS.

Location.- Water-stage recorder, lat. 42°38'18", long. 72°43'32", in Shattuckville, Franklin County, 1½ miles south of Griswoldville, and 1.3 miles upstream from mouth. Datum of gage is 458.36 feet above mean sea level, datum of 1929.

Drainage area.- 88.4 square miles.

Records available.- December 1939 to September 1945.

Extremes.- 1939-45: Maximum discharge, 4,580 second-feet Apr. 26, 1945 (gage height, 7.85 feet); minimum daily, 6.0 second-feet Sept. 28, 29, 1941.

Remarks.- Flow regulated by power plants above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	31.4	23.7	48.2	926	440	214	76.9	29.4	48.5	-
1941	20.6	131	182	132	216	120	291	92.5	50.9	24.8	13.4	20.9	107
1942	19.4	54.1	92.4	129	55.8	454	447	176	100	77.5	33.8	63.2	142
1943	81.5	310	215	104	158	387	518	526	146	59.1	69.5	34.9	217
1944	126	307	90.2	48.3	62.9	247	624	144	146	46.4	22.2	65.0	160
1945	41.2	61.9	141	147	109	684	428	541	250	178	75.2	47.2	226

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	0.41	0.29	0.60	11.69	5.74	2.70	1.00	0.38	0.61	-
1941	0.27	1.65	2.38	1.72	2.54	1.57	3.67	1.21	.64	.32	.17	.26	16.40
1942	.25	.68	1.21	1.69	.86	5.85	5.64	2.29	1.26	1.01	.44	.80	21.88
1943	1.08	3.91	2.80	1.36	1.86	5.04	6.55	6.86	1.84	.77	.91	.44	33.88
1944	1.65	3.88	1.18	.63	.77	3.22	7.97	1.87	1.84	.60	.29	.82	24.62
1945	.54	.78	1.84	1.92	1.29	8.91	5.38	7.05	3.16	2.32	.98	.60	34.77

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1940	891	-	-	-	-	-	180	27.72
1941	921	1,700	6.0	107	1.21	16.40	92.8	14.24
1942	951	1,680	8.0	142	1.61	21.86	179	27.49
1943	971	1,780	6.8	217	2.45	33.38	210	32.32
1944	1001	2,580	7.8	160	1.81	24.62	137	21.07
1945	1031	2,030	15	226	2.56	34.77	-	-
1941-45	-	2,580	6.0	170	1.92	-	-	-

MILL RIVER AT NORTHAMPTON, MASS.

Location.- Water-stage recorder, lat. 42°19'05", long. 72°39'21", at Northampton, Hampshire County, $\frac{3}{4}$ miles upstream from mouth.

Drainage area.- 52.8 square miles.

Records available.- November 1938 to September 1945.

Extremes.- 1938-45: Maximum discharge, 3,060 second-feet Apr. 26, 1945; maximum gage height, 8.47 feet Feb. 8, 1941 (ice jam); minimum discharge recorded, 2.3 second-feet (regulated) July 12, 1939; minimum daily, 5.5 second-feet Sept. 27-30, 1941, Sept. 10, 1944.

Remarks.- Flow regulated by mill above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	200	82.3	92.7	183	349	71.5	35.0	19.2	24.8	19.9	-
1940	21.2	32.3	29.3	27.5	24.1	81.2	471	181	102	35.6	18.0	15.1	86.1
1941	12.5	43.9	58.2	48.5	104	76.2	118	46.5	53.1	38.9	17.7	16.5	52.4
1942	12.5	35.6	72.9	86.5	49.9	286	160	122	55.8	44.4	54.2	46.2	86.0
1943	46.8	170	171	96.0	111	229	188	213	77.3	55.5	32.2	20.7	118
1944	60.6	146	51.8	37.0	48.1	147	248	76.1	57.4	22.4	18.3	39.3	79.1
1945	26.6	49.2	88.4	86.8	56.6	310	198	274	161	105	64.9	78.0	125

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	4.37	1.80	1.83	4.00	7.38	1.56	0.74	0.42	0.54	0.42	-
1940	0.46	0.68	.64	.60	.49	1.77	9.95	3.95	2.16	.78	.39	.32	22.19
1941	.27	.93	1.27	1.06	2.06	1.66	2.50	1.02	1.12	.35	.39	.35	13.48
1942	.27	.75	1.59	1.89	.98	6.25	3.39	2.67	1.18	.97	1.18	.98	22.10
1943	1.02	3.59	3.73	2.10	2.19	4.99	3.98	4.65	1.63	1.21	.70	.44	30.23
1944	1.32	3.09	1.13	.81	.98	3.22	5.25	1.66	1.21	.49	.40	.83	20.39
1945	.58	1.04	1.93	1.89	1.12	6.76	4.18	5.99	3.40	2.30	1.42	1.65	32.26

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1939	871	-	-	-	-	-	79.6	20.47
1940	891, 921	1,310	8.1	86.1	1.63	22.19	88.8	22.88
1941	921	850	5.5	52.4	.992	13.48	52.9	13.62
1942	951	1,160	6	86.0	1.63	22.10	108	27.83
1943	971	1,060	10	118	2.23	30.23	107	27.43
1944	1001	1,180	5.5	79.1	1.50	20.39	71.4	18.40
1945	1031	1,190	9.8	125	2.37	32.26	-	-
1940-45	-	1,310	5.5	91.1	1.73	-	-	-

WARE RIVER AT COLD BROOK, MASS.

Location.— Venturi meters and water-stage recorder above diversion dam, lat. 42°23'30", long. 72°03'40", at Ware River intake works, 0.8 mile west of village of Cold Brook, Worcester County. Datum of gage is 5.65 feet below mean sea level, datum of 1929. Prior to Feb. 1, 1936, water-stage recorder at site 0.2 mile downstream.

Drainage area.— 96.8 square miles.

Records available.— January 1928 to September 1945.

Extremes.— 1928-45: Maximum discharge, 14,000 second-feet Sept. 21, 1938 (gage height, 664.28 feet), by computation of flow over dam; minimum daily, 5 second-feet Aug. 2, 3, 1931.

Remarks.— Figures of discharge include diversions for Boston metropolitan district.

Cooperation.— Computations of daily discharge made in cooperation with Metropolitan District Water Supply Commission which collected gage-height and Venturi-meter records.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	-	-	-	198	160	294	289	326	184	154	138	-
1929	69.6	74.7	85.9	128	131	410	444	327	87.3	35.0	25.8	22.3	153
1930	25.7	35.9	32.6	64.0	81.5	165	161	64.9	62.2	96.0	27.9	22.6	71.5
1931	27.5	43.9	32.3	28.6	42.8	209	505	223	237	61.3	77.2	45.3	127
1932	45.9	45.0	103	240	165	174	426	106	40.0	27.3	23.6	51.9	120
1933	201	287	138	174	196	279	776	157	55.2	32.4	28.5	251	213
1934	175	122	109	181	96.2	381	569	236	135	46.1	31.1	144	186
1935	146	175	217	270	147	590	340	165	177	73.1	23.8	41.9	181
1936	21.3	63.7	74.6	181	95.1	1,066	403	156	78.2	21.7	24.6	35.1	186
1937	107	76.1	347	370	224	182	320	249	164	71.8	43.5	77.9	186
1938	77.7	250	253	240	241	213	242	173	221	337	191	893	277
1939	246	193	355	167	181	352	578	180	88.4	28.7	25.0	14.8	201
1940	21.3	69.6	71.1	48.5	51.8	118	963	317	163	82.6	29.4	15.6	162
1941	11.3	102	152	124	180	144	224	140	60.0	36.0	19.4	14.3	99.9
1942	15.3	41.3	57.1	100	65.1	563	220	133	150	110	40.6	27.8	128
1943	53.3	150	174	142	186	410	323	385	103	29.8	38.7	14.7	167
1944	60.1	181	83.3	36.9	53.9	248	363	162	342	127	23.4	105	148
1945	56.9	84.5	154	154	129	525	307	353	235	164	106	42.1	193

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	-	-	-	2.21	1.90	3.39	3.45	3.76	2.19	1.83	1.60	-
1929	0.83	0.86	1.02	d1.50	d1.41	d4.88	d5.11	d3.98	d.99	d.37	d.29	d.24	d21.38
1930	d.29	d.39	d.36	d.74	d.85	d1.94	d1.83	d.99	d.69	d1.12	d.30	d.23	d9.73
1931	d.30	d.49	d.36	d.32	d.45	2.49	5.82	2.65	2.73	.73	.92	.50	d17.76
1932	.55	.52	1.22	2.86	1.83	2.08	4.91	1.27	.46	.33	.28	.60	16.91
1933	2.40	3.30	1.65	2.08	2.10	3.32	8.95	1.87	.64	.39	.34	2.69	29.93
1934	2.09	1.41	1.30	2.16	1.04	4.54	6.56	2.81	1.55	.55	.37	1.66	26.04
1935	1.74	2.02	2.58	5.22	1.58	4.65	3.92	1.96	2.04	.87	.28	.48	25.34
1936	.25	.73	.89	2.16	1.06	12.68	4.64	1.86	.90	.26	.29	.40	26.12
1937	1.28	.88	4.13	4.40	2.40	2.17	3.69	2.96	1.89	.86	.52	.90	26.03
1938	.93	3.01	2.86	2.86	2.59	2.54	2.79	2.03	2.54	4.01	2.27	10.30	28.78
1939	2.93	2.22	4.23	1.99	1.95	4.20	6.66	2.14	1.02	.34	.30	.17	28.15
1940	.25	.80	.85	.58	.58	1.40	11.10	3.78	1.88	.98	.35	.18	22.73
1941	.13	1.18	1.81	1.47	1.93	1.72	2.58	1.67	.69	.43	.23	.16	14.00
1942	.15	.48	.68	1.19	.70	6.71	2.54	1.58	1.73	1.31	.48	.32	17.90
1943	.63	1.73	2.07	1.69	2.00	4.88	3.73	4.59	1.18	.35	.46	.17	23.48
1944	.72	2.09	.99	.44	.60	2.95	4.18	1.93	3.94	1.51	.28	1.22	20.85
1945	.68	.97	1.84	1.83	1.39	6.25	3.54	4.21	2.71	1.95	1.27	.49	27.13

d Adjusted for pumpage from tunnel under construction.

Note.— Runoff for period February 1928 to September 1934 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1928	661	-	-	-	-	-	-	-	-
1929	681	990	16	153	d152	d1.57	d21.38	142	d19.71
1930	696	875	18	71.5	d69.4	d.717	d9.73	72.3	d9.84
1931	711	1,110	5	127	d127	d1.31	d17.76	135	d18.90
1932	726	1,190	7.3	120	-	1.24	16.91	156	21.97
1933	741	1,370	15	213	-	2.20	29.93	195	27.38
1934	756	1,110	17	186	-	1.92	26.04	197	27.58
1935	781	925	14	181	-	1.87	25.34	149	20.87
1936	801	5,600	11	186	-	1.92	26.12	217	30.54
1937	821	941	18	186	-	1.92	26.08	190	26.61
1938	851	8,740	26	277	-	2.86	38.78	295	41.34
1939	871	952	10	201	-	2.08	28.15	147	20.67
1940	891	1,810	10	162	-	1.67	22.73	170	23.95
1941	921	445	6.1	99.9	-	1.03	14.00	87.2	12.22
1942	951	1,720	11	128	-	1.32	17.90	150	20.99
1943	971	718	12	167	-	1.73	23.48	163	22.85
1944	1001, 1031	2,680	12	148	-	1.53	20.85	146	20.54
1945	1031	934	26	193	-	1.99	27.13	-	-
1929 - 45	-	8,740	5	165	164	1.69	-	-	-

d Adjusted for pumpage from tunnel under construction.

Note.— Runoff for period February 1928 to September 1934 recomputed on basis of revised drainage area.

STREAM-FLOW RECORDS - CONNECTICUT RIVER BASIN

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WARE RIVER AT GIBBS CROSSING, MASS.

Location.-- Water-stage recorder, lat. 42°14'07", long. 72°16'45", half a mile upstream from Gibbs Crossing, Hampshire County, 1.8 miles upstream from Beaver Brook, and 2½ miles southwest of Ware. Datum of gage is 379.79 feet above mean sea level, datum of 1929. Prior to Mar. 1, 1930, water-stage recorder at site one half mile downstream.

Drainage area.-- 199 square miles.

Records available.-- August 1912 to September 1945.

Extremes.-- 1912-45: Maximum discharge, 22,700 second-feet Sept. 21, 1938 (gage height, 18.2 feet, from floodmarks), by slope-area method; minimum, 5.0 second-feet (regulated) Oct. 26, 1914; minimum daily, 6.0 second-feet (regulated) Oct. 4, 1914.

Remarks.-- Flow regulated by mills above station. Runoff in inches adjusted for diversion (since March 1931) from 97 square miles in Ware River Basin for supply of Boston metropolitan district.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	-	-	-	-	-	-	-	-	42.0	-
1913	48.0	104	168	367	193	792	780	507	147	66.4	60.3	74.9	259
1914	166	192	244	185	271	913	916	559	113	100	67.9	41.8	315
1915	30.0	34.3	60.7	413	525	226	240	156	65.0	244	416	98.1	207
1916	87.5	108	353	430	452	568	1,120	555	496	393	226	112	407
1917	94.7	117	196	252	242	918	619	445	397	159	86.5	70.4	300
1918	108	165	140	109	291	745	568	289	185	91.9	68.2	187	245
1919	170	191	325	401	287	912	716	563	161	141	86.5	315	354
1920	165	539	479	205	175	1,150	1,020	570	392	175	116	85.0	424
1921	215	540	721	379	223	703	668	553	130	381	138	75.1	379
1922	72.7	187	386	187	206	821	842	462	570	586	197	203	394
1923	169	160	102	487	218	787	941	468	164	73.8	62.4	49.2	307
1924	88.5	209	469	551	188	363	1,060	429	166	72.7	81.1	91.2	314
1925	54.9	67.0	173	71.3	384	627	479	239	132	112	79.0	87.5	206
1926	145	268	381	25.	446	580	794	260	124	66.6	61.5	46.3	282
1927	78.0	279	182	396	316	804	319	358	176	202	279	276	314
1928	292	730	736	428	444	330	551	504	520	355	326	308	461
1929	172	144	185	285	253	855	683	628	167	69.2	50.8	57.2	311
1930	68.1	94.4	109	177	230	334	292	159	143	221	82.8	47.9	161
1931	45.2	97.6	69.7	66.1	104	350	332	315	299	110	151	96.1	175
1932	87.5	91.4	197	358	282	300	497	211	91.0	63.8	65.7	62.1	192
1933	264	435	232	320	367	574	1,340	266	134	66.6	72.6	492	378
1934	535	254	222	592	188	719	921	416	240	97.0	71.2	270	345
1935	293	337	422	510	318	763	639	333	327	134	44.9	79.8	351
1936	46.4	98.6	130	297	191	1,838	627	533	175	62.5	59.4	84.7	347
1937	198	152	512	712	473	415	622	543	382	200	117	232	380
1938	183	525	553	556	530	474	532	367	455	714	403	1,707	581
1939	488	380	653	297	326	642	960	293	158	57.4	58.3	46.8	363
1940	46.4	143	149	107	92.8	211	884	421	282	160	61.0	37.6	216
1941	32.0	187	273	220	272	264	277	188	98.0	78.0	45.5	37.1	164
1942	31.8	98.3	118	179	142	546	309	246	278	209	32.1	37.6	191
1943	99.4	279	274	240	337	535	378	501	216	80.5	91.4	47.9	256
1944	109	306	170	80.2	144	372	455	264	358	141	48.6	132	214
1945	99.1	159	256	286	251	572	408	462	490	367	227	95.4	307

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	-	-	-	-	-	-	-	-	0.24	-
1913	0.28	0.58	0.97	2.12	1.01	4.59	4.37	1.78	0.82	0.38	0.35	.42	17.67
1914	.96	1.08	1.42	1.07	1.42	5.29	5.13	3.24	.63	.58	.29	.23	21.44
1915	.17	.19	.35	2.40	2.75	1.81	1.35	.90	.36	1.42	2.41	.54	14.15
1916	.51	.61	2.04	2.49	2.45	3.27	6.28	3.22	2.78	2.27	1.31	.63	27.86
1917	.55	.66	1.14	1.46	1.27	5.32	3.47	2.56	2.22	.92	.50	.39	20.48
1918	.63	.92	.61	.63	1.52	4.30	3.17	1.67	1.04	.53	.40	1.05	16.67
1919	.98	1.07	1.88	2.33	1.24	5.28	4.02	3.26	1.02	.82	.50	1.76	24.16
1920	.96	2.02	2.78	1.18	.95	6.66	5.72	3.30	2.20	1.01	.67	.48	28.93
1921	1.24	1.91	4.17	2.19	1.17	4.07	3.75	3.20	.73	2.20	.80	.42	25.85
1922	.42	1.05	2.24	1.08	1.08	4.76	4.72	2.68	3.19	3.59	1.14	1.14	26.89
1923	.96	.90	.59	2.62	1.14	4.55	5.28	2.71	.92	.45	.37	.27	20.96
1924	.51	1.17	2.72	3.19	1.02	2.10	5.85	2.49	.93	.42	.47	.55	21.49
1925	.32	.36	1.00	.41	1.91	3.63	2.69	1.38	.74	.65	.46	.49	14.06
1926	.84	1.51	2.20	1.45	2.33	3.24	4.45	1.51	.70	.39	.36	.26	19.24
1927	.45	1.56	1.05	2.29	1.66	4.66	1.78	2.08	.99	1.18	2.19	1.55	21.44
1928	1.70	4.10	4.27	2.48	2.40	1.91	3.09	2.92	2.96	2.05	1.89	1.73	31.50
1929	1.00	.81	1.07	1.53	1.32	4.96	4.95	3.64	.94	.40	.29	.32	21.23
1930	.39	.53	.63	1.02	1.21	1.94	1.64	.92	.80	1.28	.36	.27	10.99
1931	.26	.55	.40	.38	.54	2.68	4.23	2.35	2.18	.64	.88	.54	15.63
1932	.51	.51	1.18	2.61	1.69	2.01	4.40	1.28	.51	.37	.38	.46	15.91
1933	1.57	2.44	1.35	1.86	1.92	3.32	7.51	1.54	.75	.39	.42	2.76	25.83
1934	1.94	1.52	1.29	2.27	.98	4.16	5.17	2.41	1.35	.56	.41	1.52	23.38
1935	1.70	1.89	2.44	2.96	1.69	4.43	3.58	1.92	1.83	.78	.26	.45	23.93
1936	.27	.55	.77	2.01	1.04	11.25	4.64	1.92	.98	.36	.34	.48	24.61
1937	1.15	.85	3.96	4.43	2.48	2.41	3.55	3.15	2.14	1.16	.68	1.30	27.28
1938	1.06	2.94	3.20	3.22	2.77	2.74	2.98	2.12	2.56	4.14	2.34	9.57	39.64
1939	2.82	2.13	3.78	1.72	1.1	3.72	5.39	1.81	.69	.53	.34	.26	24.89
1940	.27	.84	.87	.62	.50	1.34	9.58	3.49	1.90	.93	.35	.21	20.90
1941	.19	1.18	1.79	1.36	1.74	1.68	2.08	1.27	.56	.46	.26	.21	12.78
1942	.18	.55	.69	1.14	.74	5.69	2.22	1.50	1.61	1.21	.48	.30	16.31
1943	.58	1.74	1.89	1.53	2.06	4.70	3.19	4.36	1.29	.47	.53	.27	22.61
1944	.66	2.05	.99	.46	.78	2.93	3.83	1.75	3.36	1.02	.28	.99	19.10
1945	.59	.91	1.65	1.89	1.49	5.58	3.26	3.95	2.89	2.13	1.52	.53	26.19

Note.-- Runoff for period September 1912 to September 1927 recomputed on basis of revised drainage area.

HYDROLOGY OF MASSACHUSETTS

Annual discharge, in second-feet, of Ware River at Gibbs Crossing, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1912	415	-	-	-	-	-	-	-	-
1913	415	2,370	15	259	-	1.30	17.67	233	19.30
1914	415	2,610	8.1	315	-	1.58	21.44	274	18.69
1915	415	2,370	6.0	207	-	1.05	14.15	243	16.60
1916	431	2,240	20	407	-	2.05	27.86	395	27.05
1917	451	2,160	20	300	-	1.51	20.48	301	20.49
1918	471	1,120	16	245	-	1.23	16.67	268	18.24
1919	501	2,200	22	354	-	1.78	24.16	336	26.99
1920	501	2,700	28	424	-	2.13	28.93	431	29.49
1921	521	1,980	24	379	-	1.90	25.85	326	22.24
1922	541	2,250	22	394	-	1.98	26.89	376	25.65
1923	561	2,700	17	307	-	1.54	20.96	336	22.89
1924	581	2,820	17	314	-	1.58	21.48	275	18.78
1925	601	1,500	16	206	-	1.04	14.06	248	16.91
1926	621	1,270	18	282	-	1.42	19.24	260	17.75
1927	641	1,580	17	314	-	1.58	21.44	417	28.45
1928	661	2,500	65	461	-	2.32	31.50	355	24.31
1929	681	2,040	18	311	-	1.56	21.23	292	19.90
1930	696	775	12	161	-	.809	10.99	156	10.65
1931	711	1,270	9.1	175	229	1.15	15.63	189	16.62
1932	726	1,990	12	192	232	1.17	15.91	238	19.07
1933	741	2,720	20	378	379	1.90	25.83	367	25.02
1934	756	2,120	25	243	343	1.72	23.38	365	24.86
1935	781	1,840	9.8	351	351	1.76	23.93	285	19.49
1936	801	9,890	18	347	360	1.81	24.61	396	29.00
1937	821	1,610	28	380	400	2.01	27.28	413	28.50
1938	851	16,700	34	581	581	2.92	39.64	604	41.17
1939	871	1,910	23	363	365	1.83	24.89	264	18.14
1940	891	1,970	17	216	306	1.54	20.90	228	22.08
1941	921	633	16	164	187	.940	12.78	144	11.04
1942	951	1,280	22	191	239	1.20	16.31	225	19.10
1943	971	990	25	256	331	1.66	22.61	250	22.10
1944	1001, 1031	3,960	20	214	279	1.40	19.10	209	18.55
1945	1031	1,350	48	307	384	1.93	26.19	-	-
1913 - 45	-	16,700	6.0	306	321	1.74	-	-	-

Note.-Runoff for period September 1912 to September 1927 recomputed on basis of revised drainage area.

CHICOPEE RIVER AT INDIAN ORCHARD, MASS.

Location.— Water-stage recorder, lat. 42°09'38", long. 72°30'52", 1,000 feet downstream from West Street Bridge at Indian Orchard, Hampden County, and 1.1 miles upstream from Fuller Brook. Prior to November 1938, water-stage recorder at site 1 3/4 miles downstream, published as Chicopee River at Bircham Bend.

Drainage area.— 688 square miles. Prior to Nov. 1, 1938, 703 square miles.

Records available.— August 1928 to September 1945.

Extremes.— 1928-45: Maximum discharge, 45,200 second-feet Sept. 21, 1938, by computation of flow over dam; minimum daily, 16 second-feet (regulated) several times in 1929-31; practically no flow at times at former site when wheels were cleaned or repaired.

Remarks.— Flow regulated by power plants and reservoirs above station. Runoff in inches adjusted for diversions for Boston metropolitan district from 186 square miles in Swift River Basin and from 97 square miles in Ware River Basin, for industrial use in Springfield from Ludlow Reservoir, and for change in contents in Quabbin Reservoir (since August 1939) and Ludlow Reservoir (since October 1945).

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	-	-	-	-	-	-	-	-	-	-	1,090	-
1929	615	566	602	1,020	1,030	2,740	2,770	2,310	699	340	241	248	1,100
1930	254	355	420	715	834	1,300	1,110	647	524	530	236	163	589
1931	149	313	256	221	332	1,280	1,780	1,340	1,310	411	465	341	684
1932	277	314	666	1,270	1,130	1,190	2,250	858	398	276	271	301	764
1933	730	1,420	814	1,140	1,250	2,040	4,120	1,240	583	277	348	1,570	1,290
1934	1,103	815	785	1,366	647	2,465	3,221	1,685	1,003	c426	361	906	c1,234
1935	1,056	1,158	1,353	1,723	1,160	2,578	2,145	1,237	1,102	522	240	298	1,215
1936	217	356	491	1,025	649	5,993	2,823	1,315	691	319	245	364	1,213
1937	647	559	1,871	2,447	1,752	1,587	2,096	1,793	1,610	761	492	850	1,545
1938	715	1,559	1,900	1,911	1,802	1,588	1,771	1,282	1,358	2,458	1,609	5,474	1,852
1939	1,900	1,244	2,278	1,137	1,354	2,165	3,064	1,059	803	299	223	199	1,287
1940	187	417	443	403	378	877	3,064	1,241	860	447	218	180	725
1941	179	519	651	542	774	690	780	489	322	252	182	167	460
1942	131	258	325	464	458	1,714	898	658	644	511	300	209	549
1943	298	693	893	825	1,116	1,751	1,152	1,584	737	316	341	170	823
1944	281	803	453	252	432	1,040	1,338	732	784	458	206	425	599
1945	296	402	714	768	660	1,802	1,162	1,434	1,218	926	630	365	867

c Corrected.

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	-	-	-	-	-	-	-	-	-	-	1.73	-
1929	1.01	0.90	0.99	1.67	1.53	4.50	4.40	3.79	1.11	0.56	0.40	.59	21.25
1930	.42	.56	.69	1.18	1.24	2.13	1.76	1.06	.88	.87	.39	.26	11.30
1931	.24	.50	.42	.36	.49	2.28	3.39	2.34	2.22	.67	.76	.54	14.21
1932	.45	.50	1.10	2.26	1.78	2.03	4.02	1.42	.63	.45	.44	.48	15.56
1933	1.21	2.25	1.34	1.87	1.85	3.34	6.54	2.03	.92	.45	.57	2.49	24.86
1934	1.81	1.29	1.29	2.24	.96	4.05	5.11	2.77	1.60	c 7.0	.59	1.44	c23.85
1935	1.73	1.84	2.21	2.82	1.73	4.23	3.40	2.03	1.75	.86	.39	.47	23.46
1936	.36	.56	.81	1.78	1.00	10.00	4.48	2.16	1.10	.52	.40	.58	23.75
1937	1.06	.89	3.36	4.09	2.59	2.61	3.32	2.94	2.08	1.24	.81	1.35	26.34
1938	1.18	2.48	3.11	3.17	2.82	2.61	2.81	2.02	2.15	4.04	2.64	8.69	37.72
1939	3.11	2.02	3.82	1.87	2.05	3.63	4.88	1.81	.98	.48	.45	.56	25.46
1940	.38	.85	.99	.84	.75	1.90	8.04	3.10	1.92	.90	.34	.31	20.32
1941	.27	1.23	1.50	1.24	1.56	1.50	1.84	1.10	.64	.53	.24	.24	11.89
1942	.30	.56	.75	1.19	.91	4.95	2.05	1.43	1.42	1.05	.46	.38	15.45
1943	.59	1.69	2.29	1.94	2.27	4.50	2.94	4.18	1.37	.62	.73	.17	23.28
1944	.61	2.03	.91	.53	.83	2.83	3.64	1.65	2.50	.96	.27	1.08	17.99
1945	.46	.95	1.59	1.89	1.50	4.98	3.14	4.10	3.38	2.46	1.25	.62	26.32

c Corrected.

Note.—Runoff for period September 1928 to September 1930 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1928	661	-	-	-	-	-	-	-	-
1929	681	5,120	16	1,100	1,100	1.56	21.25	1,040	20.02
1930	696	2,460	16	589	589	.838	11.39	563	10.88
1931	711	3,950	16	684	738	1.05	14.21	730	15.10
1932	726	4,990	16	764	805	1.15	15.56	905	18.31
1933	741	6,450	31	1,290	1,290	1.83	24.86	1,270	24.45
1934	756	5,660	31	c1,234	c1,234	c1.76	c23.85	1,806	25.24
1935	781	5,300	31	1,215	1,216	1.73	23.46	1,005	19.41
1936	801	19,200	31	1,213	1,226	1.74	23.75	1,383	27.33
1937	821	4,190	65	1,345	1,365	1.94	26.34	1,436	27.80
1938	851	37,000	105	1,952	1,952	2.78	37.72	2,059	39.90
1939	871	4,000	32	1,287	1,294	1.88	25.46	918	18.73
1940	891	5,530	35	725	1,027	1.49	20.32	750	21.10
1941	921	1,710	36	460	603	.876	11.89	407	10.50
1942	951	3,720	60	549	783	1.14	15.45	647	18.40
1943	971	3,190	32	823	1,180	1.72	23.28	785	22.32
1944	1001	5,930	65	599	910	1.32	17.99	589	17.39
1945	1031	3,130	120	867	1,334	1.94	26.32	-	-
1929 - 45	-	37,000	16	982	1,082	1.57	-	-	-

c Corrected.

Note.—Runoff for period September 1928 to September 1930 recomputed on basis of revised drainage area.

HYDROLOGY OF MASSACHUSETTS

SWIFT RIVER AT WEST WARE, MASS.

Location.-- Water-stage recorder, lat. 42°16'04", long. 72°19'59", at West Ware, Hampshire County, 1.4 miles downstream from Quabbin Reservoir. Datum of gage is 85.18 feet above mean sea level, datum of 1929.

Drainage area.-- 188 square miles (including 1.6 square miles drained by Beaver Brook, flow of which is diverted from Ware River Basin). Prior to January 1937, 186 square miles.

Records available.-- July 1910 to September 1945.

Extremes.-- 1910-45: Maximum discharge, 7,590 second-foot Mar. 19, 1936 (gage height, 15.00 feet); minimum, 2.5 second-foot (regulated) Sept. 20, 1940; minimum daily, 15 second-foot (regulated) Sept. 20, 1940.

Remarks.-- Runoff in inches adjusted for change in contents in Quabbin Reservoir (adjusted for diversion from Ware River Basin and diversion to Wachusett Reservoir) since August 1939.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	55.0	107	133	375	213	670	622	305	162	58.1	42.3	57.7	253
1914	125	131	198	140	238	671	852	527	144	112	78.0	53.0	272
1915	40.8	57.0	58.1	326	488	254	317	224	78.5	351	545	121	287
1916	127	186	340	429	417	535	985	442	408	297	185	185	373
1917	169	184	270	234	172	645	399	379	189	118	118	121	288
1918	118	196	139	109	263	723	624	275	189	98.3	75.4	127	244
1919	128	160	295	359	195	714	682	591	242	147	113	244	323
1920	149	412	461	177	171	974	1,070	586	436	197	180	127	412
1921	c243	320	710	374	206	647	708	685	185	399	196	116	401
1922	115	216	390	164	220	655	718	475	697	602	214	225	392
1923	200	191	156	432	245	522	945	587	215	102	92.9	70.4	513
1924	121	250	596	608	285	327	816	417	171	37.5	76.6	86.0	316
1925	59.9	66.2	112	49.4	438	536	442	246	140	156	130	127	208
1926	163	249	347	322	224	458	730	268	140	88.8	84.2	65.2	282
1927	101	298	210	327	277	676	317	337	199	196	271	190	284
1928	252	727	693	453	411	556	542	465	577	317	337	343	456
1929	161	151	189	266	234	713	726	611	175	98.4	53.3	59.6	285
1930	64.2	101	108	168	198	339	265	169	146	127	50.5	44.4	148
1931	40.2	105	77.6	70.5	88.5	321	561	429	351	117	114	88.7	197
1932	90.0	108	195	342	303	299	748	260	110	101	80.6	78.6	225
1933	152	290	188	280	300	480	1,200	322	153	82.9	105	507	336
1934	335	262	227	310	202	612	1,035	550	285	119	96.3	246	357
1935	271	323	411	460	296	652	560	350	321	144	70.2	89.3	329
1936	69.4	115	137	303	174	1,654	828	320	174	77.5	74.2	99.6	387
1937	168	162	494	627	438	362	595	533	420	232	132	244	567
1938	231	444	545	500	474	401	468	344	565	628	462	1,109	497
1939	542	330	650	359	359	605	878	381	228	100	44.4	34.9	375
1940	58.5	36.5	35.6	32.3	34.8	33.7	33.3	29.8	32.1	32.4	32.2	32.2	53.8
1941	32.7	34.1	33.7	34.1	33.6	37.0	35.6	33.7	34.2	35.6	32.7	33.9	34.2
1942	34.8	33.8	35.0	34.5	40.2	43.4	36.9	36.6	33.1	33.2	33.2	33.5	35.7
1943	34.2	33.5	34.9	34.8	34.8	34.0	33.2	33.6	33.2	33.2	34.2	33.3	33.9
1944	32.5	32.4	32.1	33.6	33.3	32.7	31.4	31.4	32.7	31.2	30.7	31.1	32.1
1945	30.3	31.3	31.4	30.9	30.6	31.7	30.8	29.0	28.6	31.4	31.1	30.8	30.7

c Corrected.

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	0.33	0.64	0.82	2.33	1.20	4.15	3.73	1.89	0.97	0.36	0.26	0.35	17.03
1914	.77	.79	1.22	.87	1.33	4.16	5.11	3.26	.86	.69	.48	.32	19.86
1915	.25	.34	.36	2.02	2.73	1.58	1.90	1.38	.47	2.18	3.38	.73	17.32
1916	.79	.82	2.11	2.66	2.42	3.32	5.91	2.74	2.44	1.84	1.15	1.11	27.31
1917	1.05	1.10	1.67	1.45	.92	4.00	3.51	2.47	2.28	1.05	.73	.73	20.96
1918	.73	1.18	.86	.68	1.47	4.48	3.74	1.71	1.14	.61	.47	.76	17.83
1919	.79	.96	1.33	2.22	1.09	4.43	4.10	3.67	1.45	.91	.70	1.46	23.61
1920	.92	2.48	2.86	1.10	.99	8.04	6.42	3.63	2.61	1.22	1.12	.70	30.15
1921	c1.51	1.92	4.40	2.32	1.16	4.01	4.25	4.24	1.11	2.48	1.21	.76	c29.31
1922	.71	1.29	2.42	1.02	1.28	4.06	4.31	2.94	4.18	3.74	1.33	1.35	28.58
1923	1.24	1.15	.97	2.69	1.58	3.24	5.67	3.84	1.29	.63	.42	.42	22.89
1924	.75	1.50	3.69	3.77	1.36	2.03	4.90	2.58	1.03	.54	.48	.52	23.15
1925	.37	.40	.69	.31	2.45	3.32	2.66	1.52	.84	.97	.81	.82	15.16
1926	1.01	1.50	2.16	1.99	1.25	2.84	4.38	1.66	.84	.55	.52	.39	19.09
1927	.63	1.78	1.30	2.03	1.55	4.18	1.90	2.09	1.19	1.21	1.68	1.14	20.68
1928	1.56	4.36	4.30	2.84	2.38	2.20	3.25	2.88	3.46	1.96	2.09	2.05	33.33
1929	1.00	.91	1.05	1.65	1.31	4.42	4.35	3.78	1.05	.61	.33	.36	20.82
1930	.40	.61	.67	1.04	1.09	2.10	1.58	1.05	.88	.79	.31	.27	10.79
1931	.25	.63	.48	.44	.50	1.99	3.37	2.66	2.11	.73	.71	.53	14.40
1932	.56	.65	1.21	2.12	1.76	1.86	4.48	1.61	.66	.63	.50	.46	16.50
1933	.94	1.74	1.16	1.74	1.68	2.97	7.20	1.99	.92	.51	.65	3.05	24.55
1934	2.08	1.57	1.41	1.92	1.14	3.79	6.20	3.41	1.71	.74	.60	1.47	26.04
1935	1.68	1.94	2.55	2.85	1.66	4.05	3.36	2.17	1.93	.89	.43	.54	24.05
1936	.43	.69	.85	1.88	1.01	10.25	4.96	1.98	1.04	.48	.46	.60	24.63
1937	1.04	.97	3.07	3.85	2.43	2.22	3.53	3.27	2.49	1.42	.81	1.45	26.55
1938	1.42	2.63	3.34	3.07	2.62	2.46	2.78	2.11	2.16	3.85	2.84	6.58	35.86
1939	3.32	1.96	3.99	2.20	1.99	3.71	5.21	2.21	1.35	.61	.53	.36	27.44
1940	.47	.80	1.12	.81	.76	1.65	6.54	2.78	1.77	.75	.12	.21	17.78
1941	.09	1.48	1.49	1.35	1.26	1.34	1.76	1.05	.63	.63	-.04	.08	11.12
1942	.51	.73	.95	1.60	1.02	5.21	1.87	1.32	1.52	.91	.05	.35	16.05
1943	.51	2.06	2.80	2.05	2.02	4.23	2.89	4.26	.76	.54	.78	-.16	22.62
1944	.66	2.59	.74	.60	1.08	3.33	4.19	1.49	3.25	.69	-.09	1.32	19.85
1945	.03	1.21	1.43	2.15	1.79	4.96	3.75	5.02	5.13	3.50	.89	.27	30.13

c Corrected.

Note.-- Runoff for period January to September 1937 recomputed on basis of revised drainage area. Negative figures indicate that evaporation and seepage from reservoir exceeded natural yield.

Annual discharge, in second-feet, of Swift River at West Ware, Mass.

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1910	415	-	-	-	-	-	-	-	-
1911	415	-	-	-	-	-	-	-	-
1912	415	-	-	-	-	-	-	-	-
1913	415	1,820	24	253	-	1.25	17.03	247	18.02
1914	415	1,490	23	272	-	1.46	19.86	247	18.03
1915	415	2,200	30	237	-	1.27	17.32	275	20.09
1916	431, 451	1,770	92	373	-	2.01	27.31	375	27.41
1917	451	1,260	92	288	-	1.55	20.96	273	19.91
1918	471	1,080	55	244	-	1.31	17.83	255	18.64
1919	501	1,320	80	c323	-	1.74	c23.61	360	26.29
1920	501	2,300	94	412	-	2.22	20.15	433	c31.72
1921	521	2,160	93	401	-	2.16	c29.31	355	25.90
1922	541	1,900	84	392	-	2.11	28.58	377	27.52
1923	561	2,380	45	313	-	1.68	22.89	349	25.47
1924	581	1,760	42	316	-	1.70	23.15	255	18.67
1925	601	1,460	25	208	-	1.12	15.16	251	18.37
1926	621	1,250	52	262	-	1.41	19.09	249	18.13
1927	641	1,310	59	284	-	1.53	20.68	373	27.19
1928	661	2,140	105	456	-	2.45	3c. 33	356	26.07
1929	681	1,590	33	285	-	1.53	20.82	268	19.54
1930	696	690	34	148	-	.796	10.79	144	10.47
1931	711	1,180	22	197	-	1.06	14.40	212	15.46
1932	726	1,890	43	225	-	1.21	16.50	245	17.92
1933	741	2,160	58	336	-	1.61	24.55	353	25.77
1934	756	1,770	73	357	-	1.92	26.04	372	27.15
1935	781	1,430	57	329	-	1.77	24.05	272	19.85
1936	801	6,850	53	337	-	1.81	24.63	379	27.74
1937	821	972	78	367	-	1.97	26.55	400	29.09
1938	851	5,400	106	497	-	2.64	35.86	523	37.74
1939	871	1,450	33	375	380	2.02	27.44	255	20.66
1940	891	68	15	33.6	246	1.31	17.78	32.8	18.45
1941	921	52	26	34.2	154	.819	11.12	34.5	10.23
1942	951	58	32	35.7	222	1.18	16.05	35.6	19.23
1943	971	49	30	33.9	316	1.68	22.82	33.4	21.44
1944	1001, 1031	55	28	32.1	274	1.46	19.85	31.7	18.53
1945	1031	42	26	30.7	417	2.22	30.13	-	-
1913 - 45	-	6,850	15	263	306	-	-	-	-

c Corrected.

EAST BRANCH SWIFT RIVER NEAR HARDWICK, MASS.^{5/}

Location.- Water-stage recorder above spillway of regulating dam, lat. 42°23'36", long. 72°14'21", 4.6 miles northwest of Hardwick, Worcester County. Datum of gage is 504.70 feet above mean sea level, datum of 1929.

Drainage area.- 43.7 square miles.

Records available.- January 1937 to September 1945.

Extremes.- 1937-45: Maximum discharge, 6,780 second-feet Sept. 21, 1938, average of slope-area and contracted-opening determinations; maximum gage height, 22.49 feet June 25, 1944; no flow Aug. 7, 14-21, 1939 (result of regulation).

Remarks.- Daily and monthly discharge figures for period Oct. 1, 1939, to Mar. 31, 1940, adjusted for change in contents in pond above regulating dam. Regulating reservoir was filled Mar. 12, 1940.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1937	-	-	-	168	96.8	79.8	148	120	86.5	41.1	15.2	47.4	-
1938	44.1	99.9	99.4	110	100	93.9	107	87.2	87.8	179	96.6	390	123
1939	94.5	75.6	161	70.3	77.5	139	237	61.5	42.6	10.6	7.55	5.59	83.5
1940	12.7	26.2	31.8	20.5	18.5	53.9	420	133	92.1	29.1	9.50	5.61	70.7
1941	4.59	57.9	63.4	47.2	55.0	49.1	89.7	59.4	22.5	10.6	2.88	2.14	38.4
1942	5.23	22.2	25.5	43.6	32.6	227	88.5	51.0	62.2	40.4	10.1	7.94	51.8
1943	16.5	66.2	77.9	61.6	84.4	169	129	161	39.2	10.4	24.1	5.73	70.4
1944	25.9	86.9	37.4	18.5	23.6	120	173	60.4	139	38.7	10.8	30.6	63.5
1945	16.3	29.9	52.2	65.8	47.6	200	129	164	132	107	50.8	16.7	84.6

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1937	-	-	-	4.43	2.31	2.11	3.76	3.17	2.21	1.08	0.40	1.20	-
1938	1.16	2.56	2.62	2.90	2.38	2.48	2.73	1.78	2.24	4.73	2.55	9.95	38.06
1939	2.49	1.93	4.24	1.86	1.84	3.67	6.05	2.14	1.09	.26	.20	.14	25.93
1940	.34	.67	.84	.54	.46	1.42	10.73	3.52	2.35	.77	.25	.14	22.03
1941	.12	1.48	1.67	1.25	1.31	1.30	2.29	1.54	.57	.26	.08	.05	11.94
1942	.14	.57	.67	1.15	.79	5.99	2.26	1.35	1.59	1.07	.27	.20	16.04
1943	.43	1.69	2.05	1.63	2.01	4.45	3.30	4.24	1.00	.27	.63	.15	21.85
1944	.68	2.22	.99	.49	.58	3.17	4.41	1.59	3.54	1.02	.29	.79	19.77
1945	.43	.76	1.38	1.74	1.13	5.26	3.28	4.32	3.38	2.82	1.34	.43	26.29

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1937	821	-	-	-	-	-	87.1	27.03
1938	851	4,690	13	123	2.81	38.08	130	40.40
1939	871	594	0	83.5	1.91	25.93	61.5	19.12
1940	891	905	2.3	70.7	1.62	22.03	75.3	23.45
1941	921	229	.1	38.4	.679	11.94	32.3	10.05
1942	951	777	.6	51.6	1.18	16.04	60.6	16.83
1943	971	316	3.2	70.4	1.61	21.85	69.5	21.57
1944	1001	1,640	3.4	65.5	1.45	19.77	59.2	18.45
1945	1051	410	9.8	84.6	1.94	26.29	-	-
1938-45	-	4,690	0	73.2	1.68	-	-	-

^{5/} Records prior to 1940 published as East Branch Swift River near Dana, Mass.

QUABOAG RIVER AT WEST WARREN, MASS.

Location.- Staff gage at dam about 700 feet downstream from School Street Brook and half a mile downstream from West Warren, Worcester County. Prior to Oct. 19, 1903, water stage recorder at same site and datum.

Drainage area.- 144 square miles.

Records available.- July 1903 to April 1907.

Extremes.- 1903-07: Maximum discharge observed, 1,210 second-feet Mar. 28, 1905 (gage height, 52.2 feet); minimum observed, 20 second-feet July 21, 1905 (gage height, 50.15 feet).

Remarks.- Flow regulated by mills above station.

Cooperation.- Records July to October 1903 furnished by Massachusetts State Board of Health.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1905	-	82	76	267	120	525	556	146	68	59	50	204	-
1906	90	83	187	213	198	432	562	265	303	245	152	85.1	236
1907	181	186	189	336	137	310	412	-	-	-	-	-	-

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1905	-	0.63	0.61	2.13	0.86	4.21	4.31	1.19	0.68	0.47	0.40	1.58	-
1906	0.72	.64	1.50	1.71	1.44	3.46	4.35	2.28	2.34	1.96	1.22	.66	22.28
1907	1.45	1.44	1.11	2.69	.99	2.49	3.19	-	-	-	-	-	-

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1905	165, 415	-	-	-	-	-	198	18.69
1906	201, 415	763	41	236	1.64	22.26	248	23.41

QUABOAG RIVER AT WEST BRIMFIELD, MASS.

Location.-- Water-stage recorder, lat. $42^{\circ}10'31''$, long. $72^{\circ}15'46''$, at site of former highway bridge at West Brimfield, Hampden County, a third of a mile upstream from Blodgett Mill Brook and $\frac{3}{4}$ miles northeast of Palmer. Datum of gage is 377.36 feet above mean sea level, datum of 1928.

Prior to Aug. 19, 1912, staff gage at same site and datum.

Drainage area.-- 151 square miles.

Records available.-- August 1909 to September 1945.

Extremes.-- 1909-45: Maximum discharge, 8,470 second-feet Sept. 21, 1938 (gage height, 11.8 feet, from floodmarks), by slope-area method; minimum daily, 7.8 second-feet (regulated) Oct. 11, 19, 1930.

Remarks.-- Low flow regulated by mills above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	-	-	-	-	-	-	-	-	44.1	-
1913	37	70	113	276	179	459	682	244	135	52.3	40.0	47.3	194
1914	90.8	145	191	147	175	588	640	468	106	110	68.8	45.0	235
1915	34.5	42.6	61.0	528	453	545	173	115	65.4	124	178	72.3	171
1916	101	99.0	188	320	305	480	764	369	326	241	251	133	298
1917	106	104	141	199	184	580	501	273	255	107	91.4	83.6	219
1918	86.1	125	86.0	85.2	211	606	390	205	129	81.0	64.0	71.8	176
1919	106	110	161	284	202	629	516	365	142	136	87.6	275	252
1920	191	357	370	156	154	917	866	529	368	203	143	111	363
1921	205	212	533	302	198	545	419	450	93.9	175	104	61.0	276
1922	62.1	96.4	283	132	185	597	619	371	210	290	175	220	267
1923	155	152	37.6	383	154	581	735	454	162	89.0	39.5	45.0	257
1924	66.2	143	897	597	233	841	987	333	143	57.0	68.1	79.3	276
1925	51.1	51.2	123	54.6	301	433	282	186	104	72.7	66.8	48.9	148
1926	78.1	114	222	164	141	378	538	210	89.0	38.8	44.6	33.0	171
1927	50.2	136	119	185	284	501	246	229	126	96.1	269	240	206
1928	241	528	600	357	430	275	318	365	345	220	189	213	338
1929	128	119	124	215	192	545	608	554	120	60.5	43.9	44.4	228
1930	54.1	58.8	88.8	126	145	248	289	108	74.2	55.6	31.5	27.4	104
1931	18.7	46.3	48.5	49.0	71.8	300	530	253	327	85.0	104	96.2	161
1932	55.9	56.9	129	308	264	272	572	158	63.4	45.5	45.5	70.3	169
1933	175	385	201	245	293	473	968	270	116	41.5	58.3	310	293
1934	228	150	167	323	150	494	766	372	185	79.4	58.7	244	264
1935	271	281	280	393	256	591	512	288	243	80.2	45.5	59.5	275
1936	32.0	56.2	90.7	228	136	1,399	635	398	115	45.9	38.7	68.8	272
1937	165	145	482	515	371	324	359	312	183	113	79.7	173	268
1938	134	314	450	428	452	332	352	233	230	524	358	1,369	430
1939	437	262	502	241	261	493	695	203	80.1	37.6	40.3	33.4	275
1940	58.4	108	102	91.4	106	250	1,352	462	232	86.0	45.3	39.7	241
1941	35.5	140	187	160	248	207	280	128	74.6	53.2	37.1	31.7	131
1942	26.0	52.7	71.6	150	115	701	325	193	157	109	81.7	49.5	170
1943	56.6	166	270	236	520	646	399	576	217	70.4	79.6	32.2	256
1944	66.3	244	128	68.1	122	557	477	244	176	147	39.1	86.2	179
1945	59.9	92.9	189	218	205	751	393	547	380	260	172	105	262

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	-	-	-	-	-	-	-	-	0.33	-
1913	0.28	0.52	0.86	2.11	1.24	3.50	5.04	1.87	1.00	0.40	0.30	.85	17.47
1914	.69	1.06	1.45	1.12	1.21	4.49	4.75	3.72	.78	.84	.53	.85	20.95
1915	.26	.31	.47	4.04	2.99	1.87	1.28	.68	.47	.95	1.36	.53	15.41
1916	.77	.73	1.44	2.44	2.18	3.67	5.65	2.81	2.41	1.85	1.91	.98	26.84
1917	.81	.77	1.08	1.52	1.27	4.43	3.70	2.09	1.89	.82	.70	.62	19.70
1918	.66	.92	.66	.65	1.46	4.62	2.88	1.57	.95	.62	.49	.53	16.01
1919	.81	.81	1.23	2.17	1.40	4.88	3.82	2.79	1.05	1.04	.67	2.03	22.70
1920	1.45	2.63	2.83	1.19	.96	7.00	6.40	4.04	2.72	1.55	1.09	.82	32.68
1921	1.55	1.56	4.07	2.31	1.36	4.18	3.09	3.44	.69	1.34	.79	.45	24.81
1922	1.48	.71	2.01	1.01	1.14	4.56	4.57	2.84	1.55	2.21	1.33	1.63	24.03
1923	2.19	1.13	.67	3.00	1.06	4.44	5.43	3.31	1.19	.68	.68	.33	23.11
1924	.52	1.06	3.03	4.49	1.66	2.61	6.40	2.55	1.06	.43	.52	.59	24.92
1925	.39	.38	.94	.42	2.07	3.31	2.15	1.42	.77	.55	.51	.36	13.27
1926	.60	.84	1.70	1.26	.97	2.88	3.97	1.60	.66	.30	.34	.24	15.36
1927	.38	1.01	.91	1.42	1.96	3.83	1.82	1.75	.93	.75	2.05	1.77	18.56
1928	1.85	3.21	4.56	2.72	3.07	2.10	2.35	2.79	2.54	1.69	1.44	1.57	30.60
1929	.93	.86	.95	1.64	1.32	4.16	4.50	4.06	.89	.46	.34	.35	20.53
1930	.41	.43	.68	.96	.99	1.89	1.76	.82	.55	.42	.24	.20	9.35
1931	.14	.34	.37	.37	.49	2.29	3.92	1.94	2.42	.65	.79	.71	14.43
1932	.43	.42	.98	2.35	1.89	2.08	4.23	1.21	.47	.33	.35	.52	15.26
1933	1.34	2.84	1.53	1.87	2.02	3.61	7.15	2.06	.86	.32	.44	2.29	26.33
1934	1.74	1.11	1.28	2.47	.90	3.77	5.43	2.84	1.37	.61	.45	1.81	23.78
1935	2.06	2.08	2.13	3.00	1.77	4.51	3.78	2.20	1.80	.61	.35	.44	24.78
1936	.24	.42	.69	1.74	.99	10.68	4.70	3.04	.85	.35	.28	.51	24.49
1937	1.26	1.07	3.68	3.93	2.56	2.46	2.66	2.39	1.35	.89	.61	1.28	24.16
1938	1.02	2.32	3.44	3.26	3.11	2.54	2.60	1.78	1.70	4.00	2.73	10.12	38.62
1939	3.33	1.94	3.83	1.84	1.80	3.69	5.13	1.54	.59	.29	.31	.25	24.54
1940	.29	.80	.78	.70	.76	1.91	9.99	3.53	1.71	.66	.33	.29	21.75
1941	.27	1.04	1.43	1.22	1.71	1.58	2.07	.97	.55	.41	.28	.23	11.76
1942	.20	.39	.55	1.15	.79	5.35	2.40	1.43	1.16	.83	.62	.37	15.29
1943	.43	1.22	2.06	1.81	2.21	4.93	2.95	4.37	1.61	.54	.61	.24	22.98
1944	.51	1.80	.98	.52	.87	2.73	3.52	1.86	1.50	1.12	.30	.64	16.15
1945	.46	.69	1.44	1.66	1.40	5.74	2.90	4.17	2.61	1.98	1.32	.78	25.35

Note.-- Runoff for period September 1912 to September 1930 recomputed on basis of revised drainage area.

Annual discharge, in second-feet, of Quaboag River at West Brimfield, Mass.

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1909	261, 415	-	-	-	-	-	-	-
1910	415	-	-	-	-	-	-	-
1911	415	-	-	-	-	-	-	-
1912	415	-	-	-	-	-	-	-
1913	415	1,010	11	194	1.28	17.47	211	19.01
1914	415	1,110	14	233	1.54	20.95	209	18.79
1915	415	1,020	13	171	1.13	15.41	192	17.31
1916	451	1,140	46	298	1.87	26.84	295	26.56
1917	451	1,000	30	219	1.45	19.70	214	19.28
1918	471	930	20	178	1.18	16.01	185	16.62
1919	501	800	46	252	1.67	22.70	298	26.76
1920	501	1,890	54	363	2.40	32.68	365	32.95
1921	521	840	33	276	1.83	24.81	232	20.83
1922	541	970	39	287	1.77	24.03	265	23.82
1923	561	1,320	30	257	1.70	23.11	275	24.73
1924	581	1,550	28	276	1.83	24.92	244	22.02
1925	601	833	16	148	.980	13.27	164	14.70
1926	621	760	10	171	1.13	15.36	162	14.52
1927	641	725	14	206	1.36	18.56	296	26.60
1928	661	925	106	339	2.25	30.60	256	23.07
1929	681	1,030	8.7	228	1.51	20.53	214	19.24
1930	696	365	12	104	.689	9.35	96.9	8.68
1931	711	1,030	7.8	161	1.07	14.43	171	15.41
1932	726	905	15	169	1.12	15.26	212	19.14
1933	741	1,420	18	293	1.94	26.33	275	24.75
1934	756	985	40	264	1.75	23.78	288	25.92
1935	781	1,100	20	275	1.82	24.73	220	19.81
1936	801	3,510	16	272	1.80	24.49	323	29.15
1937	821	780	54	268	1.77	24.16	277	24.93
1938	851	7,800	65	430	2.85	38.62	456	40.94
1939	871	1,160	22	273	1.81	24.54	193	17.31
1940	891	1,770	24	241	1.60	21.75	251	22.62
1941	921	570	14	131	.888	11.76	113	10.16
1942	951	1,060	16	170	1.13	15.29	199	17.86
1943	971	925	24	256	1.70	22.98	251	22.58
1944	1001	750	25	179	1.19	16.15	171	15.45
1945	1031	931	39	282	1.67	25.35	-	-
1913 - 45	-	7,800	7.8	238	1.58	-	-	-

Note.-Runoff for period September 1912 to September 1930 recomputed on basis of revised drainage area.

MILL RIVER AT SPRINGFIELD, MASS.

Location.— Water-stage recorder, lat. 42°05'39", long. 72°34'03", at Springfield, Hampden County, 75 feet upstream from Hancock Street Bridge, 0.25 mile downstream from Watersheds Pond, and 1.0 mile upstream from mouth. Datum of gage is 118.92 feet above mean sea level, datum of 1929.

Drainage area.— 33.9 square miles.

Records available.— December 1938 to September 1945.

Extremes (regulated).— 1939-45: Maximum daily discharge, 306 second-feet Apr. 1, 1940; no flow May 30, 1941.

Remarks.— Flow regulated by power plant. Runoff in inches adjusted for change in contents in Watersheds Pond (since May 1939).

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	65.1	73.5	94.3	104	54.8	42.5	21.3	25.5	21.1	-
1940	23.9	27.5	30.7	34.3	27.8	61.7	124	73.7	61.6	41.5	25.6	20.4	46.0
1941	20.7	36.0	36.2	28.2	37.0	43.5	62.8	24.8	7.67	17.5	15.8	17.7	28.9
1942	14.0	19.3	19.6	22.2	28.1	70.5	46.8	39.0	37.8	30.1	22.1	23.0	31.1
1943	26.4	49.4	68.9	65.6	69.7	93.8	65.9	86.6	53.1	40.6	26.0	21.7	55.6
1944	22.4	42.6	23.8	24.3	31.9	48.7	61.1	44.1	37.3	24.7	22.4	32.5	34.6
1945	24.5	29.6	42.8	44.5	44.2	101	70.0	78.2	68.4	55.5	41.2	28.2	52.4

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	1.50	2.21	2.26	3.20	3.42	1.74	1.28	0.79	0.82	0.73	-
1940	0.81	0.91	1.05	1.17	.89	2.10	4.08	2.51	2.03	1.41	.87	.67	18.50
1941	.69	1.27	1.23	.98	1.23	1.40	1.29	.99	.80	.66	.53	.47	11.54
1942	.50	.66	.72	.84	.78	2.45	1.46	1.38	1.12	1.18	.79	.76	12.84
1943	.90	1.63	2.32	2.18	2.16	3.19	2.17	2.94	1.73	1.39	.88	.71	22.20
1944	.85	1.39	.79	.74	.93	1.71	2.15	1.35	1.30	.82	.73	1.08	13.84
1945	.87	1.04	1.40	1.53	1.42	3.37	2.36	2.64	2.26	1.89	1.41	.92	21.11

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1939	871	-	-	-	-	-	-	48.5	19.42
1940	891	306	1.2	46.0	46.0	1.36	18.50	46.9	18.92
1941	921	147	0	28.9	28.8	.850	11.54	25.6	10.23
1942	951	160	.6	31.1	31.6	.932	12.64	38.8	15.61
1943	971	228	3.7	55.6	55.4	1.63	22.20	50.9	20.38
1944	1001	146	.8	34.6	34.4	1.01	13.84	35.3	14.12
1945	1031	202	1.3	52.4	52.8	1.56	21.11	-	-
1940 - 45	-	306	0	41.4	41.5	1.22	-	-	-

WESTFIELD RIVER AT KNIGHTVILLE, MASS.

Location.- Water-stage recorder, lat. 42°17'16", long. 72°51'53", at Knightville, Hampshire County, 0.2 mile downstream from Knightville Dam, 0.2 mile upstream from Sykes Brook and 2.4 miles upstream from Middle Branch. Datum of gage is 461.25 feet above mean sea level, datum of 1929 (levels by Corps of Engineers, U. S. Army). Prior to Jan. 11, 1935, chain gage, at a different datum, on Pitcher Bridge (removed), half a mile upstream. From Jan. 11, 1935 to May 20, 1940, water-stage recorder, at a different datum, a quarter of a mile upstream. Datum of gage was 471.82 feet above mean sea level, datum of 1929. From May 21 to Dec. 19, 1940, staff gage at entrance to bypass tunnel of Knightville Dam. Datum of staff gage was 480.00 feet above mean sea level, datum of 1929 (levels by Corps of Engineers, U. S. Army).

Drainage area.- 162 square miles.

Records available.- August 1909 to September 1945.

Extremes.- 1909-45: Maximum discharge, 37,900 second-foot Sept. 21, 1938 (gage height, 29.58 feet, from floodmarks, site and datum then in use), from rating curve extended above 3,800 second-foot on basis of slope-area determinations at gage heights 24.07 and 29.58 feet; minimum, 0.6 second-foot (regulated) Aug. 11, 1941; minimum daily, 4 second-foot Aug. 10, 1913.

Remarks.- Runoff in inches adjusted for change in contents in Knightville Reservoir (since May 1945); peak discharges affected since February 1942.

Cooperation.- Gage readings Oct. 1 to Dec. 19, 1940, furnished by Corps of Engineers, U. S. Army.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1909	-	-	-	-	-	-	-	-	-	-	-	75.1	-
1910	65.9	59.8	107	573	258	1,200	573	245	355	44.4	35.7	90.2	301
1911	24.1	141	85.7	201	74.1	259	648	216	256	39.6	60.8	84.6	174
1912	462	412	390	261	272	1,020	1,020	422	176	28.4	42.0	45.5	379
1913	196	395	361	645	212	864	607	245	78.0	20.7	15.7	47.4	310
1914	194	361	317.7	391	317	750	1,272	500	70.5	57.1	53.6	19.1	360
1915	23.3	54.4	68.5	265	582	260	455	167	60.9	386	498	128	253
1916	155	177	404	569	525	425	1,160	399	303	186	92.0	117	376
1917	86.5	197	217	265	138	645	784	503	523	142	38.7	27.0	298
1918	157	139	91.9	106	308	824	746	296	120	61.0	27.6	106	248
1919	96.2	174	350	232	118	754	554	810	128	97.7	70.5	174	298
1920	141	476	286	86.2	65.0	1,080	1,410	266	320	106	122	69.7	377
1921	261	416	781	281	174	1,110	682	262	74.7	145	55.4	33.0	367
1922	45.2	185	339	88.3	140	924	1,120	611	538	150	137	119	367
1923	116	113	85.7	273	150	493	1,050	391	195	61.9	39.8	61.1	252
1924	307	331	608	523	151	348	1,460	599	142	52.5	42.5	153	332
1925	138	230	210	78.8	667	770	494	235	108	305	155	71.5	286
1926	116	550	466	220	120	382	1,200*	213	117	59.5	70.6	38.9	306
1927	127	454	198	281	245	997	372	534	193	102	135	119	299
1928	401	1,090	710	377	362	390	695	626	648	279	444	315	537
1929	86.3	86.8	126	180	139	1,040	1,140	528	102	30.6	23.4	31.4	294
1930	91.2	117	174	274	289	497	375	225	282	126	57.9	42.1	212
1931	31.8	162	78.5	46.0	76.3	229	1,130	619	534	153	64.6	44.6	264
1932	46.7	64.1	218	506	262	256	914	198	74.0	60.6	33.4	32.4	221
1933	202	721	307	389	263	324	1,570	239	103	50.0	246	770	420
1934	239	186	177	276	109	621	1,272	358	244	66.7	40.5	374	330
1935	231	368	346	462	241	627	414	305	254	151	34.6	67.7	292
1936	47.6	215	162	220	133	2,050	675	236	55.5	25.4	38.8	35.4	326
1937	106	125	444	588	542	306	912	640	284	143	82.5	189	279
1938	395	656	311	488	410	423	407	287	337	419	193	996	441
1939	245	215	632	200	269	524	1,238	238	97.8	41.2	41.9	33.6	317
1940	59.9	130	129	87.2	79.3	158	1,757	760	314	92.8	27.5	32.6	301
1941	24.9	144	226	155	328	184	553	245	144	56.8	28.8	55.2	177
1942	44.5	180	214	234	98.4	884	768	243	154	125	92.4	122	269
1943	147	595	381	220	280	719	618	728	409	175	82.6	33.5	282
1944	142	285	286	84.5	105	463	950	173	162	139	164	129	265
1945	108	120	301	271	199	1,268	588	368	471	429	275	165	426

Monthly and annual runoff, in inches (adjusted), of Westfield River at Knightville, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1909	-	-	-	-	-	-	-	-	-	-	-	0.52	-
1910	0.47	0.41	0.76	4.08	1.66	8.54	2.95	1.74	2.44	0.32	0.25	.62	25.24
1911	.17	.97	.61	1.43	.48	1.84	4.46	1.53	1.76	.28	.43	.58	14.54
1912	3.29	2.85	2.78	1.86	1.81	7.26	7.02	3.00	1.22	.19	.50	.50	31.87
1913	1.37	2.72	2.71	4.58	1.36	6.14	4.18	1.74	.54	.15	.11	.33	25.93
1914	1.58	2.62	2.26	2.78	2.04	5.34	8.75	3.56	.49	.41	.58	.13	30.14
1915	.17	.37	.49	2.59	3.74	1.84	3.14	1.19	.42	2.74	3.54	.95	21.18
1916	1.10	1.22	2.87	4.05	3.56	3.10	7.99	2.84	2.09	1.33	.66	.81	31.62
1917	.62	1.36	1.54	1.89	.89	4.59	5.40	3.57	3.67	1.01	.28	.19	25.01
1918	1.12	.96	.65	.75	1.98	5.87	5.13	2.11	.90	.43	.20	.73	20.83
1919	.68	1.19	2.49	1.65	.76	5.36	3.82	5.76	.88	.70	.50	1.19	24.98
1920	1.00	3.28	2.03	.61	.43	7.69	9.71	2.61	2.20	.75	.87	.48	31.66
1921	1.86	2.87	5.56	1.99	1.11	7.90	4.70	2.57	.51	1.03	.39	.23	30.72
1922	.32	1.27	2.41	.63	.90	6.57	7.71	4.35	3.70	1.07	.98	.82	30.73
1923	.85	.78	.61	1.95	.96	3.51	7.23	2.78	1.34	.44	.28	.42	21.13
1924	2.19	2.28	4.32	3.72	1.01	2.48	10.05	4.27	.98	.37	.50	1.05	33.02
1925	.98	1.58	1.50	.56	4.29	5.48	3.40	1.67	.74	2.17	1.10	.49	23.96
1926	.83	3.79	2.46	1.64	.77	2.72	8.27	2.22	.81	.42	.50	.27	25.70
1927	.90	3.12	1.41	1.99	1.57	7.09	2.57	2.52	1.33	.73	.95	.82	25.00
1928	2.86	7.51	5.05	2.69	2.54	2.78	4.79	4.45	4.46	2.70	3.16	2.16	45.15
1929	.61	.60	.90	1.28	.89	7.40	7.86	3.75	.70	.22	.17	.22	24.60
1930	.65	.61	1.23	1.95	1.85	3.54	2.58	1.60	1.94	.90	.41	.29	17.75
1931	.23	1.13	.56	.23	.49	1.63	7.79	4.40	3.68	1.09	.46	.31	22.10
1932	.33	.44	1.56	3.60	1.75	1.82	6.29	1.41	.51	.43	.24	.22	18.60
1933	1.44	4.96	2.19	2.77	1.69	2.38	10.81	1.71	.71	.36	1.75	5.30	36.07
1934	1.71	1.28	1.26	1.96	.70	4.42	8.76	2.55	1.68	.48	.29	2.58	27.67
1935	1.65	2.53	2.47	3.29	1.55	4.46	2.86	2.17	1.75	1.07	.25	.47	24.52
1936	.34	1.48	1.15	1.57	.89	14.64	4.65	1.68	.38	.18	.28	.24	27.48
1937	.75	.86	3.16	4.38	3.49	2.19	6.28	5.98	1.95	1.02	.59	1.30	31.74
1938	2.81	4.52	2.21	3.47	2.64	3.01	2.80	2.04	2.32	2.99	1.37	6.80	36.98
1939	1.73	1.48	4.50	1.64	1.73	3.72	8.52	1.70	.67	.29	.30	.23	26.51
1940	.43	.90	.92	.62	.53	1.12	12.10	5.41	2.16	.67	.20	.22	25.28
1941	.18	.99	1.61	1.10	2.11	1.31	3.81	1.74	.99	.40	.21	.38	14.83
1942	.32	.89	1.52	1.66	.63	6.29	5.29	2.44	1.06	.89	.66	.84	22.49
1943	1.05	4.10	2.71	1.57	1.80	5.12	5.64	6.30	2.04	.89	.59	.23	32.04
1944	1.19	3.39	1.13	.60	.70	3.32	6.57	1.76	1.69	.69	.40	.89	22.32
1945	.67	.84	2.15	1.92	1.36	8.97	5.30	5.98	3.43	2.99	1.40	.85	25.86

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1909	261	-	-	-	-	-	-	-	-
1910	281	5,130	8.0	301	-	1.86	25.24	302	25.35
1911	301	1,920	14	174	-	1.07	14.54	259	21.69
1912	321	4,860	13	379	-	2.34	31.87	354	29.77
1913	351	5,440	4	310	-	1.91	25.93	303	25.39
1914	381	5,840	11	360	-	2.22	30.14	297	24.91
1915	401	3,920	12	253	-	1.56	21.18	303	25.34
1916	431	2,580	25	376	-	2.32	31.62	356	29.95
1917	451	2,750	17	298	-	1.84	25.01	289	24.22
1918	471	1,780	16	248	-	1.53	20.83	268	22.46
1919	501	5,050	32	298	-	1.84	24.98	322	26.93
1920	501	3,560	28	377	-	2.33	31.66	424	35.64
1921	521	3,340	18	367	-	2.27	30.72	292	24.43
1922	541	4,090	31	367	-	2.27	30.73	346	28.95
1923	561	3,850	17	252	-	1.56	21.13	331	27.70
1924	581	7,020	18	393	-	2.43	33.02	337	28.29
1925	601	5,290	23	286	-	1.77	23.96	334	27.98
1926	621	3,820	18	306	-	1.89	25.70	275	23.05
1927	641	3,700	18	299	-	1.84	25.00	418	34.99
1928	661	8,590	35	537	-	3.31	45.15	379	31.84
1929	681	4,090	16	294	-	1.81	24.60	301	25.18
1930	696	2,020	20	212	-	1.51	17.75	202	16.98
1931	711	4,090	21	264	-	1.63	22.10	269	22.51
1932	726	2,950	17	221	-	1.36	18.60	296	24.86
1933	741	7,200	22	430	-	2.65	36.07	378	31.73
1934	756	4,320	25	330	-	2.04	27.67	359	30.07
1935	781	5,520	20	292	-	1.80	24.52	249	20.84
1936	801	13,400	14	326	-	2.01	27.48	348	29.28
1937	821	6,400	33	379	-	2.34	31.74	436	36.51
1938	851	9,000	46	441	-	2.72	36.98	420	35.15
1939	871	3,600	18	317	-	1.96	26.51	251	21.05
1940	891	4,470	18	301	-	1.86	25.28	307	25.81
1941	921, 1001	2,400	12	177	-	1.09	14.83	176	14.78
1942	951, 1001	2,750	20	269	-	1.66	22.49	330	27.62
1943	971, 1001	2,300	21	382	382	2.36	32.04	357	29.89
1944	1001	1,350	7.6	265	266	1.64	22.33	241	20.28
1945	1031	2,860	13	426	428	2.64	35.86	-	-
1910 - 45	-	13,400	4	320	320	1.98	-	-	-

WESTFIELD RIVER NEAR WESTFIELD, MASS.

Location.- Water-stage recorder, lat. 42°06'24", long. 72°41'58", 0.7 mile downstream from Great Brook and 3 miles east of Westfield, Hampden County. Datum of gage is 98.25 feet above mean sea level, datum of 1929.

Drainage area.- 497 square miles.

Records available.- June 1914 to September 1945.

Extremes.- 1914-45: Maximum discharge, 55,500 second-feet Sept. 21, 22, 1938 (gage height, 29.40 feet, from floodmarks), from rating curve extended above 18,000 second-feet on basis of computations of flow over dam at gage heights 27.20 and 29.40 feet; minimum, 9 second-feet (regulated) Oct. 2, 1921.

Remarks.- Runoff in inches adjusted for diversion from Westfield Little River for municipal supply of Springfield (since July 1914) and for change in contents in Knightville Reservoir (since May 1943), Borden Brook Reservoir (since October 1931), and Cobble Mountain Reservoir (since October 1931).

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	-	-	-	-	-	-	-	-	-	209	229	92.9	-
1915	113	187	206	1,010	1,710	720	1,170	559	232	697	1,170	352	687
1916	358	497	1,030	1,490	1,270	1,190	2,940	995	899	586	302	364	982
1917	291	493	676	724	472	1,830	1,990	1,320	1,320	446	211	184	831
1918	534	463	296	352	1,000	2,300	1,920	854	397	253	162	364	738
1919	294	432	765	783	371	1,920	1,500	2,090	434	299	242	463	804
1920	322	1,150	899	362	306	2,710	3,650	1,120	977	465	565	316	1,070
1921	712	1,160	2,170	849	564	2,670	1,730	963	258	400	228	147	983
1922	160	313	587	230	446	2,300	2,380	1,730	1,200	652	480	362	909
1923	350	299	287	902	494	1,660	2,580	1,150	512	208	149	176	728
1924	851	760	1,520	1,500	482	894	3,280	1,580	445	204	170	377	1,000
1925	356	558	623	239	1,700	1,920	1,150	718	337	475	377	235	717
1926	352	919	1,140	690	501	1,090	2,770	790	370	186	242	245	782
1927	446	1,250	618	712	752	2,420	948	996	625	413	810	595	883
1928	1,250	3,340	2,070	1,120	1,270	1,200	1,940	1,660	1,660	1,080	1,500	1,040	1,590
1929	381	317	401	645	524	2,520	3,100	1,550	353	172	120	116	852
1930	285	370	542	681	740	1,400	1,050	635	789	377	178	133	597
1931	119	366	213	171	248	965	2,830	1,740	1,470	399	235	179	744
1932	173	215	476	1,230	712	693	2,300	514	260	211	146	109	585
1933	471	1,880	624	856	669	1,220	3,670	673	469	262	639	2,120	1,120
1934	791	534	513	834	297	1,523	2,892	1,094	750	458	386	1,001	922
1935	806	1,041	1,088	1,295	793	1,755	1,109	763	664	458	249	317	863
1936	276	460	429	594	399	5,064	2,070	850	276	204	218	176	923
1937	340	349	1,128	1,632	1,462	945	2,124	2,288	848	513	312	575	1,040
1938	1,040	1,843	1,071	1,611	1,350	1,146	1,090	851	1,284	1,325	907	2,938	1,367
1939	749	829	1,745	880	900	1,625	3,157	678	306	223	198	173	954
1940	183	428	463	365	304	616	4,540	2,008	1,039	386	154	165	884
1941	159	433	602	652	977	597	1,286	593	445	228	168	215	525
1942	181	360	608	730	364	2,407	1,859	957	560	398	336	401	766
1943	410	1,627	1,368	851	1,106	2,086	1,931	2,194	1,049	434	299	170	1,127
1944	464	1,246	685	422	461	1,387	2,276	620	425	281	278	357	740
1945	292	427	866	839	702	3,217	1,728	2,511	1,306	1,124	816	548	1,204

c Corrected.

Monthly and annual runoff, in inches (adjusted), of Westfield River near Westfield, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	-	-	-	-	-	-	-	-	-	0.53	0.57	0.25	-
1915	0.30	0.45	0.52	2.39	3.62	1.71	2.67	1.34	0.56	2.12	2.76	.78	19.22
1916	.87	1.13	2.43	3.48	2.80	2.80	6.42	2.34	2.06	1.41	.74	.86	27.34
1917	.72	1.15	1.61	1.72	1.03	4.29	4.51	3.11	3.01	1.08	.54	.46	23.25
1918	1.28	1.08	.73	.87	2.14	5.38	4.35	2.03	.94	.84	.42	.86	20.72
1919	.75	1.01	1.62	1.87	.82	4.50	3.41	4.90	1.02	.74	.61	1.09	22.52
1920	.60	2.62	2.13	.39	.71	6.33	6.23	2.64	2.24	1.13	1.36	.76	29.84
1921	1.70	2.64	5.08	2.02	1.23	6.24	3.93	2.28	.63	.98	.57	.28	27.68
1922	.42	.75	1.41	.72	.98	5.38	5.29	4.06	2.73	1.51	1.16	.86	25.37
1923	.86	.72	.60	2.14	1.08	3.90	5.84	2.71	1.20	.53	.40	.45	20.42
1924	1.97	1.75	3.57	3.53	1.05	2.12	7.41	3.71	1.05	.53	.44	.90	28.03
1925	.86	1.30	1.50	.61	3.60	4.50	2.62	1.72	.81	1.15	.93	.59	20.21
1926	.87	2.11	2.69	1.65	1.09	2.57	6.26	1.88	.88	.49	.85	.61	21.95
1927	1.09	2.86	1.49	1.71	1.62	5.66	2.18	2.36	1.45	1.01	1.92	1.38	24.73
1928	2.95	7.54	4.85	2.64	2.80	2.82	4.40	3.90	3.77	2.55	3.53	2.38	44.13
1929	.94	.77	.98	1.56	1.14	5.91	7.03	3.64	.87	.47	.34	.33	28.98
1930	.72	.89	1.51	1.64	1.60	3.30	2.42	1.53	1.83	.94	.48	.26	17.02
1931	.34	.88	.55	.46	.58	2.29	6.42	4.08	3.37	.99	.61	.46	21.03
1932	.42	.52	1.20	2.23	1.69	1.84	5.75	1.29	.68	.55	.56	.25	17.78
1933	1.26	4.65	1.80	2.17	1.51	2.87	6.78	1.67	.71	.27	1.28	4.57	31.54
1934	1.57	1.13	1.19	2.05	.61	4.00	7.18	2.81	1.85	.56	.44	2.47	25.91
1935	1.72	2.61	2.47	3.03	1.59	4.53	2.77	1.92	1.62	1.11	.53	.49	24.19
1936	.38	1.13	1.04	1.54	.94	12.91	4.91	2.02	.64	.27	.31	.26	26.45
1937	.84	.67	2.69	4.08	3.11	2.25	5.17	5.37	1.98	1.15	.76	1.33	29.60
1938	2.61	4.14	2.29	3.74	2.73	2.87	2.71	2.13	2.93	3.16	1.92	6.87	37.90
1939	1.67	1.67	4.14	1.68	1.84	4.14	7.65	1.65	.71	.43	.47	.32	26.37
1940	.43	1.04	.95	.81	.65	1.57	11.10	4.72	2.36	.83	.31	.33	25.10
1941	.25	1.08	1.49	1.18	2.05	1.45	3.27	1.51	1.16	.56	.40	.44	14.82
1942	.32	.88	1.57	1.67	.85	6.13	4.27	2.34	1.30	.99	.87	.81	22.00
1943	1.05	4.00	2.93	1.77	2.12	5.41	4.68	5.59	2.11	.98	.70	.38	31.72
1944	1.27	3.25	1.14	.68	.90	3.48	5.62	1.68	1.22	.54	.52	.78	20.88
1945	.58	1.08	2.25	1.94	1.29	8.17	4.49	5.77	3.06	2.70	1.53	1.15	34.01

Note.- Runoff for period July 1914 to September 1933 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1914	415	-	-	-	-	-	-	-	-
1915	415	14,500	40	687	704	1.42	19.22	802	22.38
1916	451	6,850	131	962	999	2.01	27.34	947	26.39
1917	451	8,700	120	831	850	1.71	23.23	617	22.84
1918	471	4,900	110	738	759	1.53	20.72	755	21.19
1919	501	11,600	121	804	824	1.66	22.52	876	24.51
1920	501	7,500	150	1,070	1,090	2.19	29.84	1,210	33.71
1921	521	8,500	99	993	1,013	2.04	27.68	742	20.84
1922	541	9,250	82	909	929	1.87	25.27	895	24.97
1923	561	8,650	107	726	747	1.50	20.43	914	25.54
1924	581	17,100	120	1,000	1,020	2.05	28.03	870	24.42
1925	601	12,500	142	717	740	1.49	20.21	791	22.20
1926	621	6,280	97	782	805	1.62	21.95	772	21.72
1927	641	6,650	243	883	905	1.82	24.73	1,250	34.63
1928	661	32,900	243	1,590	1,610	3.24	44.13	1,130	31.46
1929	681	9,400	87	852	876	1.77	23.98	860	24.21
1930	696	4,580	86	597	624	1.26	17.02	555	15.87
1931	711	10,500	89	744	770	1.55	21.03	759	21.40
1932	726	8,220	75	585	649	1.31	17.78	759	23.35
1933	741	16,000	86	1,120	1,150	2.31	31.54	1,031	27.77
1934	756	10,600	108	922	949	1.91	25.91	1,014	28.77
1935	781	9,850	111	863	886	1.78	24.19	714	19.94
1936	801	31,500	111	923	967	1.95	26.45	978	28.30
1937	821	16,500	129	1,040	1,084	2.18	29.60	1,218	34.24
1938	851	26,100	188	1,367	1,388	2.79	37.90	1,317	36.34
1939	871	8,430	93	954	965	1.94	26.37	764	21.31
1940	891	10,600	97	884	916	1.84	25.10	894	25.48
1941	921	5,500	81	525	543	1.09	14.82	522	14.79
1942	951	7,020	107	766	805	1.62	22.00	954	27.21
1943	971	6,700	98	1,127	1,182	2.34	31.72	1,042	29.40
1944	1001	6,240	98	740	765	1.54	20.88	673	19.13
1945	1031	8,160	158	1,204	1,204	2.51	34.01	-	-
1915 - 45	-	33,900	40	901	927	1.87	-	-	-

Note.- Runoff for period July 1914 to September 1933 recomputed on basis of revised drainage area.

MIDDLE BRANCH WESTFIELD RIVER AT GOSS HEIGHTS, MASS.

Location.- Water-stage recorder, lat. 42°15'31", long. 72°52'23", at highway bridge at Goss Heights, Hampshire County, 0.35 mile upstream from mouth. Datum of gage is 400.30 feet above mean sea level, datum of 1929. Prior to June 25, 1930, at datum 1.00 foot higher. Prior to Sept. 8, 1912, chain gage at same site and datum.

Drainage area.- 52.6 square miles.

Records available.- July 1910 to September 1945.

Extremes.- 1910-45: Maximum discharge, 19,900 second-feet Sept. 21, 1938 (gage height, 10.61 feet), mean of two contracted-opening determinations; maximum gage height, 13.87 feet Mar. 12, 1936, (ice jam); practically no flow Sept. 3, 22, Oct. 20, 1910, July 30, 1912, Oct. 26, 27, 1914.

Remarks.- Some diurnal fluctuation at low flow caused by mill above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1910	-	-	-	-	-	-	-	-	-	-	11.3	26.9	-
1911	6.71	54.9	30.0	70.0	25.0	176	264	78.4	84.4	13.3	20.9	36.7	71.7
1912	285	144	151	86.7	86.2	413	351	175	45.1	5.28	10.6	23.5	148
1913	51.6	129	154	183	72.0	264	205	71.1	25.5	6.13	3.77	11.8	96.3
1914	74.5	179	139	127	102	241	446	179	14.1	6.81	7.43	1.51	126
1915	4.72	12.2	18.0	188	230	60.5	122	41.0	3.92	105	124	13.6	76.1
1916	15.2	17.7	159	211	185	153	415	121	95.5	34.6	18.3	25.0	120
1917	23.1	71.3	72.4	87.2	45.7	204	238	131	138	23.6	7.92	6.86	87.5
1918	34.7	24.4	19.7	25.7	105	330	230	88.2	26.8	18.4	8.37	26.0	77.6
1919	21.1	43.8	143	97.5	53.1	262	179	251	31.1	31.6	19.2	61.5	100
1920	42.3	173	112	20.2	17.3	349	442	120	111	33.0	58.7	36.0	126
1921	85.2	170	281	110	72.8	474	247	118	29.4	33.7	18.2	16.5	139
1922	17.3	51.7	127	36.8	51.9	304	301	232	132	46.8	42.3	29.3	115
1923	36.8	37.9	28.0	114	52.7	140	332	121	52.8	13.0	5.42	10.1	78.5
1924	80.1	118	209	201	53.1	108	349	151	33.6	12.7	14.8	45.8	115
1925	35.8	70.6	79.6	26.6	239	257	132	69.1	20.5	42.9	26.1	14.3	83.5
1926	29.5	122	144	75.2	62.1	208	360	67.6	21.6	11.2	16.1	9.00	93.7
1927	31.3	145	44.7	58.6	43.6	294	92.3	105	50.1	39.2	58.0	55.4	85.0
1928	192	366	253	117	116	133	220	192	185	124	168	121	182
1929	45.9	26.9	57.5	65.3	51.2	317	379	183	41.9	11.5	8.27	8.27	99.7
1930	24.8	44.0	51.1	82.2	81.1	168	120	62.9	68.5	34.2	10.2	6.82	62.7
1931	6.64	33.7	21.0	15.2	23.0	93.1	319	179	135	27.0	12.6	9.88	72.8
1932	12.3	19.4	65.8	175	85.8	85.8	309	59.1	15.8	21.3	8.54	4.45	71.6
1933	41.9	217	69.8	99.5	72.6	116	465	62.3	29.8	11.1	74.4	297	129
1934	64.7	57.2	63.2	82.4	25.8	203	397	130	95.9	14.6	3.99	84.4	102
1935	57.5	124	137	179	87.1	238	135	90.5	70.4	62.2	8.22	11.8	100
1936	8.16	59.5	44.4	67.8	39.1	653	220	80.1	12.6	4.90	6.27	14.9	101
1937	41.2	50.3	154	213	170	91.8	300	251	79.5	36.7	33.0	70.3	124
1938	144	217	102	163	137	139	124	89.0	141	119	74.7	328	148
1939	60.8	64.7	208	78.1	84.7	174	414	62.5	25.1	10.5	9.81	9.05	99.9
1940	17.7	41.1	39.5	32.2	25.0	73.5	594	224	90.5	25.7	6.96	8.35	97.6
1941	5.11	42.9	72.5	44.7	106	59.8	171	75.7	43.0	16.1	8.61	14.1	54.4
1942	9.89	37.6	84.7	82.4	29.0	310	228	97.9	56.8	40.6	25.0	29.7	86.4
1943	46.7	223	129	65.4	111	271	248	274	96.3	24.3	29.4	8.68	127
1944	54.6	166	52.3	39.9	49.9	178	308	75.0	51.0	20.1	10.0	27.1	85.7
1945	23.3	55.7	94.2	82.3	68.0	436	236	280	162	127	56.5	33.4	139

Monthly and annual runoff, in inches, of Middle Branch Westfield River at Goss Heights, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1910	-	-	-	-	-	-	-	-	-	-	0.25	0.57	-
1911	0.15	1.16	0.66	1.53	0.49	3.85	5.61	1.72	1.79	0.29	.46	.78	18.49
1912	6.26	3.04	3.50	1.90	1.77	9.06	7.44	3.83	.96	.12	.23	.50	38.41
1913	1.13	2.73	3.37	4.01	1.42	5.78	4.35	1.56	.54	.13	.08	.25	25.26
1914	1.63	3.80	3.05	2.79	2.03	5.29	9.46	3.92	.30	.15	.16	.03	32.61
1915	.10	.26	.39	4.13	4.56	1.32	2.59	.90	.08	2.30	2.71	.29	19.63
1916	.33	.38	3.48	4.65	3.80	3.26	8.80	2.66	2.02	.76	.40	.53	31.15
1917	.51	1.51	1.59	1.91	.91	4.48	5.04	2.87	2.93	.52	.17	.15	22.59
1918	.76	.52	.43	.52	2.07	7.23	4.88	1.96	.57	.36	.19	.55	20.01
1919	.46	.98	2.13	2.14	1.05	5.74	3.79	5.50	.66	.69	.42	1.31	25.82
1920	.93	3.68	2.46	4.4	.36	7.64	9.37	2.64	2.36	.72	1.29	.76	32.65
1921	1.87	3.60	6.16	2.42	1.44	10.40	5.24	2.59	.62	.74	.40	.35	35.83
1922	.38	1.10	2.78	.81	1.03	6.66	6.29	5.09	2.80	1.03	.93	.62	29.62
1923	.81	.80	.61	2.49	1.04	3.07	7.04	2.65	1.12	.28	.12	.21	20.24
1924	1.76	2.51	4.59	4.41	1.09	2.36	7.39	3.31	.71	.28	.33	.97	29.71
1925	.78	1.50	1.74	.58	4.74	5.64	2.81	1.52	.44	.94	.57	.30	21.66
1926	.65	2.58	3.16	1.65	1.23	4.56	7.63	1.48	.46	.23	.35	.19	24.19
1927	.69	3.07	.99	1.23	.86	5.43	1.96	2.30	1.08	.86	1.27	1.18	21.94
1928	4.21	7.75	5.54	2.57	2.38	3.92	4.67	4.21	3.93	2.71	3.67	2.57	47.13
1929	1.01	.57	1.26	1.39	1.01	6.94	8.05	4.01	.89	.25	.18	.18	25.74
1930	.54	.93	1.12	1.80	1.61	3.68	2.55	1.38	1.45	.75	.22	.14	16.17
1931	.15	.71	.46	.33	.46	2.04	6.77	3.92	2.86	.59	.28	.21	18.78
1932	.27	.41	1.44	3.83	1.76	1.88	6.56	1.29	.34	.47	.19	.09	18.53
1933	.92	4.60	1.53	2.18	1.44	2.53	9.82	1.36	.63	.24	1.63	6.29	33.17
1934	1.42	1.21	1.38	1.81	.51	4.44	8.43	2.84	2.03	.32	.22	1.79	26.40
1935	1.26	2.63	3.00	3.92	1.73	5.21	2.87	1.98	1.50	1.36	.18	.25	25.89
1936	.18	1.26	.97	1.49	.80	14.30	4.66	1.75	.27	.11	.14	.32	26.25
1937	.90	1.07	3.38	4.67	3.36	2.02	6.36	5.50	1.68	.80	.72	1.50	31.96
1938	3.16	4.61	2.24	3.57	2.71	3.04	2.63	1.95	2.99	2.61	1.64	6.96	38.11
1939	1.34	1.37	4.55	1.71	1.68	3.82	8.78	1.37	.53	.23	.22	.19	25.79
1940	.39	.87	.86	.71	.51	1.61	12.59	4.91	1.92	.56	.15	.18	25.26
1941	.11	.91	1.59	.98	2.10	1.31	3.32	1.66	.91	.35	.19	.30	14.03
1942	.22	.80	1.75	1.81	.57	4.83	2.15	1.20	.89	.55	.63	.22	22.29
1943	1.02	4.72	2.84	1.39	2.19	5.93	5.26	6.00	2.04	.53	.64	.18	32.74
1944	1.20	3.53	1.15	.88	1.02	3.89	6.54	1.84	1.08	.44	.22	.58	22.17
1945	.51	1.18	2.06	1.80	1.35	9.55	5.01	6.14	3.44	2.78	1.24	.71	35.77

Note.- Runoff for period August 1910 to September 1934 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean
1910	415	-	-	-	-	-	-
1911	415	1,270	0	71.7	1.36	18.49	113
1912	415	1,760	0	148	2.81	38.41	128
1913	415	1,470	1.6	98.3	1.87	25.26	103
1914	415	1,220	0.4	126	2.40	32.61	96.4
1915	415	1,810	0.4	76.1	1.45	19.63	89.4
1916	431	1,370	2.9	120	2.28	31.15	118
1917	451	980	5.4	87.5	1.66	22.59	80.1
1918	471	885	5.0	77.6	1.48	20.01	88.5
1919	501	1,810	7.5	100	1.90	25.82	110
1920	501	1,200	5	126	2.40	32.65	144
1921	521	1,600	14	139	2.64	35.83	110
1922	541	1,930	15	115	2.19	29.62	107
1923	561	1,260	2.5	78.5	1.49	20.24	104
1924	581	1,180	3.0	115	2.19	29.71	96.1
1925	601	1,600	9.1	85.5	1.59	21.56	92.7
1926	621	970	4.0	93.7	1.78	24.19	87.3
1927	641	1,000	6.8	85.0	1.62	21.94	134
1928	661	2,450	14	182	2.46	47.13	125
1929	681	1,490	4.0	99.7	1.90	25.74	98.8
1930	696	629	4.7	62.7	1.19	16.17	57.7
1931	711	1,100	4.8	72.8	1.38	18.78	75.9
1932	726	1,130	2.1	71.6	1.36	18.53	90.6
1933	741	3,590	4.6	129	2.45	33.17	117
1934	756	1,570	6.0	102	1.94	26.40	113
1935	781	1,510	5.5	100	1.90	25.89	83.0
1936	801	4,550	2.5	101	1.92	26.75	113
1937	821	1,840	6.9	124	2.36	31.96	137
1938	851	4,720	10	148	2.81	38.41	137
1939	871	1,260	2.6	99.9	1.90	25.79	80.0
1940	891	1,650	4.6	97.6	1.86	25.26	99.5
1941	921	950	2.5	54.4	1.03	14.03	55.4
1942	951	1,500	4.4	86.4	1.64	22.29	109
1943	971	1,660	4.5	127	2.41	32.74	116
1944	1001	1,870	4.8	85.7	1.63	22.17	77.5
1945	1031	1,440	11	139	2.64	35.77	-
1911-45	-	4,720	0	104	1.98	-	-

c Corrected.

Note.- Runoff for period August 1910 to September 1934 recomputed on basis of revised drainage area.

WEST BRANCH WESTFIELD RIVER AT HUNTINGTON, MASS.

Location.-- Water-stage recorder, lat. 42°14'14", long. 72°53'46", at Huntington, Hampshire County, 0.4 mile downstream from Roaring Brook and 1½ miles upstream from mouth. Datum of gage is 388.60 feet above mean sea level, datum of 1929.

Drainage area.-- 93.7 square miles.

Records available.-- September 1935 to September 1945.

Extremes.-- 1935-45: Maximum discharge, 21,800 second-feet Sept. 21, 1938 (gage height, 15.5 feet, from floodmarks), mean of slope-area determination and computation of flow over dam; minimum, 7.3 second-feet Aug. 4, 1936.

Remarks.-- Some diurnal fluctuation at low flow caused by mill above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1935	-	-	-	-	-	-	-	-	-	-	-	24.5	-
1936	21.3	94.1	75.0	113	77.5	1,098	389	143	30.2	11.6	14.1	25.2	175
1937	68.6	82.4	289	397	284	163	505	421	132	65.8	73.3	146	218
1938	252	364	187	268	247	232	229	171	277	228	155	579	265
1939	132	131	344	130	146	316	674	109	51.8	26.4	23.7	20.8	175
1940	32.5	82.2	70.1	56.2	45.9	134	1,069	376	188	51.3	14.3	17.7	175
1941	16.2	84.1	132	83.7	175	112	293	108	90.1	47.9	24.3	36.8	99.3
1942	29.7	94.1	142	157	73.4	541	389	178	123	94.3	47.2	55.6	161
1943	82.0	378	238	132	198	493	406	473	169	53.5	49.2	25.1	225
1944	84.4	283	88.7	48.6	74.6	314	514	126	71.9	37.0	20.0	39.9	141
1945	39.9	94.4	166	160	120	761	412	495	256	279	132	106	253

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1935	-	-	-	-	-	-	-	-	-	-	-	0.29	-
1936	0.26	1.12	0.92	1.40	0.89	13.49	4.63	1.76	0.36	0.14	0.17	.30	25.44
1937	.84	.99	3.55	4.89	3.16	2.01	6.01	5.18	1.57	.81	.90	1.74	31.64
1938	3.10	4.33	2.31	3.30	2.75	2.86	2.72	2.10	3.30	2.80	1.90	6.90	38.37
1939	1.63	1.56	4.23	1.60	1.62	3.88	8.02	1.34	.62	.33	.29	.25	25.37
1940	.40	.98	.86	.69	.53	1.65	12.73	4.62	2.00	.63	.18	.21	25.48
1941	.20	1.00	1.62	1.03	1.95	1.38	3.49	1.33	1.07	.59	.30	.44	14.40
1942	.37	1.12	1.75	1.93	.82	6.65	4.63	2.19	1.46	1.16	.58	.66	23.32
1943	1.01	4.51	2.92	1.63	2.20	6.06	4.84	5.83	2.01	.66	.61	.30	32.58
1944	1.04	3.37	1.09	.80	.86	3.86	6.12	1.55	.86	.46	.25	.48	20.54
1945	.49	1.12	2.05	1.97	1.34	9.37	4.91	6.10	3.05	3.44	1.62	1.26	36.72

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1935	801	-	-	-	-	-	-	-
1936	801	7,640	7.6	175	1.87	25.44	196	28.51
1937	821	3,100	15	213	2.33	31.64	248	36.01
1938	851	6,500	20	265	2.83	38.37	249	36.05
1939	871	2,050	10	175	1.87	25.37	140	20.19
1940	891	2,830	9.5	175	1.87	25.48	179	26.06
1941	921	1,400	9.5	99.3	1.06	14.40	102	14.82
1942	951	2,050	12	161	1.72	23.32	197	28.52
1943	971	2,460	13	225	2.40	32.58	205	29.64
1944	1001	2,660	8.1	141	1.50	20.54	129	18.70
1945	1031	2,240	21	253	2.70	36.72	-	-
1936-45	-	7,640	7.6	189	2.02	-	-	-

HYDROLOGY OF MASSACHUSETTS

WESTFIELD LITTLE RIVER AT OUTLET OF COBBLE MOUNTAIN RESERVOIR, NEAR WESTFIELD, MASS.

Location.— Venturi meters, lat. 42°07'01", long. 72°51'54", at outlet of Cobble Mountain Reservoir, 2.4 miles downstream from Cobble Mountain Dam, and 6 miles west of Westfield, Hampden County. Prior to October 1935 at site at diversion dam at Russell, 0.4 mile downstream.

Drainage area.— 45.8 square miles (at Cobble Mountain Dam).

Records available.— October 1935 to September 1945.

Remarks.— Discharge and runoff adjusted for change in contents in Borden Brook and Cobble Mountain Reservoirs.

Cooperation.— Records furnished by Board of Water Commissioners, Springfield.

Monthly and annual mean discharge, in second-feet (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	3.71	38.8	17.8	65.7	30.0	591	173	52.9	7.13	-6.87	4.52	2.73	82.2
1937	51.2	16.2	132	185	147	74.0	225	190	44.5	24.4	16.8	50.8	94.5
1938	125	197	85.8	172	98.0	115	106	82.5	172	114	69.4	310	137
1939	45.5	57.2	172	50.9	87.9	169	293	30.3	2.91	6.00	9.65	2.42	76.9
1940	3.33	37.1	33.9	33.3	23.0	56.0	518	189	81.7	26.6	-1.38	6.00	83.4
1941	-1.43	51.5	68.3	53.6	116	39.5	167	62.3	66.9	14.8	4.80	21.4	54.6
1942	-9.63	32.0	74.7	79.7	37.0	279	143	114	58.1	30.5	17.1	35.6	74.6
1943	42.5	197	130	66.9	111	239	162	200	63.6	49.6	10.1	3.10	106
1944	72.1	163	31.8	21.7	36.9	166	247	42.6	45.6	12.9	2.96	45.2	73.6
1945	15.7	55.5	126	106	52.4	370	165	249	153	113	65.5	60.9	128

Note.— Negative figures indicate that evaporation and seepage from reservoirs exceeded inflow.

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	0.09	0.94	0.45	1.65	0.71	14.87	4.22	1.34	0.17	-0.17	0.11	0.07	24.45
1937	.79	4.40	3.32	4.66	3.34	1.87	5.48	4.78	1.08	.61	.42	1.24	27.99
1938	5.15	4.80	2.16	4.34	2.23	2.89	2.58	2.08	4.20	2.87	1.75	7.55	40.60
1939	1.10	1.40	4.34	1.28	2.00	4.25	7.14	.76	.07	.15	.24	.06	22.79
1940	.08	.90	.85	.84	.54	1.41	12.62	4.76	1.99	.67	-.03	.15	24.78
1941	-.04	1.25	1.72	1.35	2.63	.99	4.07	1.57	1.63	.37	.12	.52	16.18
1942	-.24	.78	1.88	2.01	.84	7.02	3.49	2.86	1.42	.77	.43	.87	22.13
1943	1.08	4.79	3.26	1.68	2.55	6.00	3.96	5.03	1.55	1.25	.26	.08	51.48
1944	1.82	3.97	.80	.55	.87	4.17	6.03	1.07	1.11	.52	.07	1.10	21.83
1945	.59	1.35	3.16	2.67	1.19	9.20	4.01	6.26	3.73	2.35	1.60	1.48	37.99

Note.— Negative figures indicate that evaporation and seepage from reservoirs exceeded inflow.

Annual discharge, in second-feet (adjusted)

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Runoff in inches
1936	801	-	-	82.2	1.79	24.45	92.3
1937	821	-	-	94.5	2.06	27.99	112
1938	851	-	-	137	2.99	40.60	126
1939	871	-	-	76.9	1.68	22.79	60.1
1940	891	-	-	83.4	1.82	24.78	87.1
1941	921	-	-	54.6	1.19	16.18	52.9
1942	951	-	-	74.6	1.63	22.13	97.3
1943	971	-	-	106	2.31	31.48	97.6
1944	1001	-	-	73.6	1.61	21.88	68.0
1945	1031	-	-	128	2.79	37.99	-
1936 - 45	-	-	-	91.1	1.99	-	-

WESTFIELD LITTLE RIVER NEAR WESTFIELD, MASS.^{a/}

Location.-- Water-stage recorder, lat. 42°07'20", long. 72°51'15", at diversion dam in Russell, 3 miles downstream from confluence of Pebble and Borden Brooks and 5½ miles (revised) west of Westfield, Hampden County. Prior to January 1910 at site about 3 miles upstream.

Drainage area.-- 48.5 square miles. Prior to January 1910, 43 square miles.

Records available.-- July 1905 to September 1935.

Remarks.-- Discharge and runoff adjusted for diversion for municipal supply of Springfield and change in contents in Borden Brook Reservoir and Cobble Mountain Reservoir (since August 1931).

Cooperation.-- Records furnished by Board of Water Commissioners, Springfield.

Monthly and annual mean discharge, in second-feet (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1905	-	-	-	-	-	-	-	-	-	-	41.0	136	-
1906	43.8	51.9	-	-	-	-	288	74.3	47.1	27.0	17.4	9.0	-
1907	42.9	57.6	81.9	141	52.0	170	117	89.7	92.9	13.9	5.65	80.9	78.9
1908	242	222	191	165	141	292	134	180	27.4	18.8	14.1	5.71	136
1909	10.0	11.8	35.6	79.6	250	187	258	104	29.2	7.92	13.3	9.36	80.1
1910	10.1	11.5	46.8	-	-	-	-	-	92.9	12.3	12.3	8.18	-
1911	1.71	39.1	15.3	50.1	21.1	93.3	184	62.3	79.1	15.9	23.8	62.8	53.9
1912	248	133	113	75.6	137	353	250	152	43.2	6.24	11.5	17.2	128
1913	37.1	94.9	115	167	49.7	209	132	89.7	20.8	2.4	3.5	8.2	77.8
1914	100	115	78.7	57.0	65.9	232	315	110	13.1	13.2	5.39	2.36	92.1
1915	5.2	41.7	17.3	178	251	51.3	140	81.3	35.0	112	104	20.4	85.3
1916	28.5	42.9	139	133	125	88.9	358	93.1	103	73.7	20.5	36.7	103
1917	26.6	51.9	66.9	83.9	49.6	142	259	147	99.4	21.2	12.9	10.9	80.9
1918	55.8	35.6	24.2	33.1	111	271	156	57.9	30.8	8.82	11.4	31.9	68.7
1919	18.5	41.1	91.3	70.1	32.8	233	212	223	22.0	19.1	15.3	30.2	84.5
1920	23.0	117	92.7	26.3	27.4	335	382	108	131	48.8	70.5	38.1	117
1921	77.1	169	293	94.1	55.9	341	228	98.7	20.5	39.2	22.5	13.2	122
1922	6.74	31.7	49.7	17.0	29.6	262	252	225	103	70.0	54.3	36.7	95.2
1923	30.8	26.9	23.1	86.7	58.8	211	316	134	55.2	10.3	9.21	16.6	81.5
1924	100	94.6	171	163	41.0	85.9	439	160	31.7	11.2	6.48	25.0	111
1925	24.1	45.5	58.6	16.4	205	230	122	72.8	26.3	47.1	27.0	12.3	73.1
1926	30.2	66.8	143	74.1	69.7	137	327	77.2	24.4	14.3	30.7	11.9	85.3
1927	31.8	127	93.4	163	88.5	252	75.2	117	75.5	29.5	145	88.6	108
1928	171	400	195	114	186	113	245	133	149	109	178	85.3	173
1929	22.0	26.2	43.1	134	95.2	295	335	127	23.5	5.59	3.20	6.11	33.0
1930	35.3	44.8	71.0	82.4	77.3	156	118	72.4	80.7	23.1	10.2	9.68	65.0
1931	6.63	49.7	24.0	23.3	58.2	135	313	201	189	30.9	15.6	5.27	85.8
1932	9.40	15.6	41.6	154	69.3	104	261	45.0	43.8	27.7	8.31	4.53	65.1
1933	82.9	273	67.4	80.3	69.2	136	359	51.9	15.2	-4.14	38.5	134	108
1934	41.1	38.4	46.9	106	33.7	204	317	122	69.7	9.7	18.2	152	96.5
1935	68.8	132	111	124	65.9	223	123	68.3	62.8	22.3	-1.46	16.8	84.9

Note.-- Negative sign indicates that evaporation and seepage from reservoirs exceeded inflow. Runoff for period June 1910 to September 1917 recomputed on basis of revised drainage area.

^{a/} Published as Westfield Little River near Blandford, Mass., 1905-12.

HYDROLOGY OF MASSACHUSETTS

Monthly and annual runoff, in inches (adjusted),
of Westfield Little River near Westfield, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1905	-	-	-	-	-	-	-	-	-	-	1.10	3.53	-
1906	1.18	1.35	-	-	-	-	7.48	1.99	1.23	0.72	.47	.23	-
1907	1.15	1.50	2.19	3.78	1.26	4.55	3.04	2.41	2.41	.37	.15	2.10	24.91
1908	6.49	5.76	5.12	4.43	3.54	7.83	3.48	4.83	.71	.50	.38	.15	43.22
1909	.27	.31	.95	2.15	5.57	5.02	6.69	2.79	.76	.21	.86	.24	25.30
1910	.27	.30	1.26	-	-	-	-	-	2.14	.29	.29	.19	-
1911	.04	.90	.36	1.19	.45	2.21	4.23	1.48	1.82	.38	.57	1.44	15.07
1912	5.89	3.06	2.69	1.80	3.04	8.39	5.75	3.61	.99	.15	.27	.40	36.04
1913	.88	2.19	2.73	3.97	1.06	4.97	3.04	2.13	.48	.06	.08	.19	21.78
1914	2.58	2.64	1.87	1.36	1.42	5.51	7.20	2.62	.30	.31	.13	.06	25.80
1915	.12	.96	.41	4.23	5.59	1.22	3.22	1.94	.81	2.66	2.47	.47	23.90
1916	.69	.99	3.31	3.16	2.78	2.11	8.23	2.21	2.36	1.75	.49	.94	28.91
1917	.63	1.19	1.59	1.99	1.06	3.38	5.96	3.49	2.29	.50	.31	.25	22.64
1918	1.33	.82	.58	.79	2.58	6.44	3.59	1.38	.71	.21	.27	.73	19.23
1919	.44	.94	2.17	1.67	.70	5.54	4.88	5.30	.51	.45	.36	.70	23.66
1920	.55	2.69	2.20	.62	.61	7.97	8.79	2.57	3.01	1.16	1.67	.88	32.72
1921	1.83	3.88	6.96	2.24	1.20	8.10	5.24	2.35	.47	.93	.53	.30	34.03
1922	.16	.73	1.18	.40	.64	6.23	5.80	5.35	2.56	1.66	1.29	.84	26.64
1923	.73	.62	.55	2.06	1.26	5.02	7.27	3.18	1.27	.24	.22	.38	22.80
1924	2.58	2.18	4.07	3.87	.91	2.04	10.10	5.80	.78	.27	.15	.58	31.08
1925	.57	1.05	1.40	.39	4.40	5.46	2.81	1.73	.60	1.12	.64	.28	20.45
1926	.72	2.00	3.40	1.76	1.50	3.25	7.52	1.83	.56	.34	.73	.27	23.88
1927	.76	2.92	2.22	3.87	1.90	6.00	1.73	2.78	1.74	.70	3.45	2.04	30.11
1928	4.07	9.20	4.64	2.71	4.14	2.69	5.63	3.29	3.42	2.59	4.23	1.96	48.57
1929	.52	.60	1.02	3.18	2.04	7.01	7.71	3.02	.54	.13	.08	.14	25.99
1930	.84	1.03	1.68	1.96	1.66	3.71	2.71	1.72	1.85	.55	.24	.22	18.17
1931	.16	1.14	.57	.55	1.25	3.20	7.20	4.77	3.88	.73	.37	1.22	25.04
1932	.22	.36	.99	5.67	1.54	2.47	6.00	1.07	1.01	.66	.20	.10	18.29
1933	1.97	6.28	1.60	1.91	1.49	3.23	8.26	1.23	.35	-1.0	.92	3.08	30.22
1934	.98	.88	1.11	2.52	.72	4.85	7.30	2.90	1.61	.23	.43	3.49	27.02
1935	1.64	3.04	2.64	2.95	1.42	5.30	2.83	1.63	1.44	.53	-.03	.39	23.78

Note.- Negative sign indicates that evaporation and seepage from reservoirs exceeded inflow.
Runoff for period June 1910 to September 1917 recomputed on basis of revised drainage area.

Annual discharge, in second-feet (adjusted)

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean
1905	415	-	-	-	-	-	-
1906	415	-	-	-	-	-	-
1907	415	752	2.8	78.9	1.83	24.91	118
1908	415	1,590	2.9	136	3.16	43.22	86.3
1909	415	1,380	2.2	80.1	1.86	25.30	82.2
1910	415	-	-	-	-	-	-
1911	415	683	0	53.9	1.11	15.07	90.5
1912	415	1,310	0	128	2.64	36.04	108
1913	415	1,120	0	77.8	1.60	21.78	81.7
1914	415	1,490	0	92.1	1.90	25.80	72.9
1915	415	1,850	0	85.3	1.76	23.90	97.8
1916	431	864	.4	103	2.12	28.91	97.5
1917	451	890	1.2	80.9	1.67	22.64	78.4
1918	471	841	0	68.7	1.42	19.23	71.7
1919	501	1,470	5.0	84.5	1.74	23.66	91.3
1920	501	1,940	2.7	117	2.41	32.72	142
1921	521	1,140	0	122	2.52	34.03	83.8
1922	541	1,338	0	95.2	1.96	26.64	94.6
1923	681	-	-	81.5	1.68	22.80	105
1924	681	-	-	111	2.29	31.08	90.7
1925	681	-	-	73.1	1.51	20.45	84.2
1926	681	-	-	85.3	1.76	23.88	84.6
1927	681	-	-	108	2.23	30.11	150
1928	681	-	-	173	3.57	48.57	117
1929	681	-	-	93.0	1.92	25.99	97.9
1930	696	-	-	65.0	1.34	18.17	59.0
1931	711	-	-	85.8	1.77	25.04	84.6
1932	726	-	-	65.1	1.54	18.29	84.7
1933	741	-	-	108	2.23	30.22	83.4
1934	756	-	-	96.5	1.99	27.02	112
1935	781	-	-	84.9	1.75	23.78	60.5
1911 - 35	-	-	-	93.5	1.93	-	-

BORDEN BROOK NEAR WESTFIELD, MASS. ^{a/}

Location.- Water-stage recorder at outlet of Borden Brook Reservoir, 2 miles upstream from confluence of Borden and Pebble Brooks and about 10 miles (revised) west of Westfield, Hampden County.

Drainage area.- 8 square miles.

Records available.- January 1910 to September 1918.

Remarks.- Discharge and runoff figures adjusted for change in contents in Borden Brook Reservoir.

Cooperation.- Records furnished by Board of Water Commissioners, Springfield.

Monthly and annual mean discharge, in second-feet (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1910	-	-	-	24.8	18.8	55.7	24.7	10.9	14.7	3.52	1.89	3.76	-
1911	1.71	4.59	0	7.94	3.34	20.7	29.3	9.35	12.9	.08	.80	11.1	8.44
1912	58.4	21.8	21.1	6.98	6.41	30.4	41.6	19.2	3.24	.58	1.41	5.68	18.1
1913	10.8	18.6	11.5	20.7	4.70	41.7	24.4	17.4	2.29	.70	1.78	2.03	13.1
1914	24.0	22.2	14.8	10.1	13.1	49.6	66.9	23.0	.18	1.97	0	0	18.8
1915	0	6.59	3.60	29.1	40.1	10.7	21.0	5.56	3.43	11.2	13.9	2.70	12.1
1916	.51	4.74	20.6	18.3	19.5	20.6	50.0	13.5	14.4	7.31	1.40	5.33	14.6
1917	2.38	8.36	5.58	7.21	2.47	29.9	39.8	23.8	17.3	1.31	0	0	12.4
1918	0	0	3.58	3.32	9.38	50.4	22.7	6.83	1.93	.11	0	0	8.20

Note.- Figures of no flow indicate that evaporation and seepage from reservoir equalled or exceeded inflow.

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1910	-	-	-	3.57	2.45	8.02	3.45	1.57	2.05	0.51	0.27	0.52	-
1911	0.25	0.64	0	1.14	.44	2.99	4.08	1.35	1.80	.01	.12	1.55	14.37
1912	9.42	3.04	3.04	1.01	.86	4.33	5.80	2.77	.45	.08	.20	.79	30.84
1913	1.56	2.59	1.66	2.99	.61	6.01	3.40	2.51	.32	.10	.26	.28	22.29
1914	3.46	3.10	2.13	1.45	1.71	7.15	9.33	3.32	.02	.28	0	0	31.95
1915	0	.92	.52	4.20	5.22	1.54	2.92	.80	.48	1.61	2.01	.88	20.60
1916	.07	.66	2.97	2.64	2.63	2.97	6.97	1.95	2.01	1.05	.20	.74	24.86
1917	.34	1.16	.80	1.04	.32	4.31	5.56	3.44	2.41	.19	0	0	19.57
1918	0	0	.52	.48	1.22	7.26	3.17	.98	.27	.02	0	0	18.92

Note.- Figures of no flow indicate that evaporation and seepage from reservoir equalled or exceeded inflow.

Annual discharge, in second-feet (adjusted)

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1910	415	-	-	-	-	-	-	23.30
1911	415	121	-	8.44	1.06	14.37	-	27.98
1912	415	294	-	18.1	2.26	30.84	-	22.15
1913	415	164	-	13.1	1.64	22.29	-	25.17
1914	415	255	-	18.8	2.35	31.95	-	24.70
1915	415	245	-	12.1	1.51	20.60	-	22.66
1916	431	142	-	14.6	1.82	24.86	-	23.46
1917	451	187	-	12.4	1.55	19.57	-	17.79
1918	471	309	-	8.20	1.02	13.92	-	-
1911-18	-	309	-	13.2	1.65	-	-	-

^{a/} Published as Borden Brook near Blandford, Mass., 1910-12.

FARMINGTON RIVER NEAR NEW BOSTON, MASS.^{a/}

Location.— Water-stage recorder, lat. 42°04'40", long. 73°04'25", at highway bridge a quarter of a mile downstream from Clam River and 1 mile south of New Boston, Berkshire County. Datum of gage is 758.21 feet above mean sea level, datum of 1929.

Drainage area.— 92.0 square miles.

Records available.— May 1913 to September 1945.

Extremes.— 1913-45: Maximum discharge, 18,500 second-feet Sept. 21, 1938 (gage height, 12.94 feet), from rating curve extended above 1,400 second-feet on basis of contracted-opening and slope-area determinations at gage heights 10.65 and 12.94 feet; minimum recorded, 4.4 second-feet (regulated) Aug. 27, 1913; minimum daily, 5.7 second-feet (regulated) Aug. 31, 1929.

Remarks.— Runoff in inches adjusted for change in contents in Otis Reservoir (since June 1913).

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	-	-	-	-	-	96.6	109	105	47.2	-
1914	186	183	111	80.0	150	408	531	260	85.0	90.6	106	81.6	183
1915	19.8	27.0	41.8	274	319	100	195	115	71.2	240	188	57.9	136
1916	79.4	93.7	252	349	239	177	575	174	142	113	110	96.9	200
1917	110	130	110	162	119	293	359	185	164	59.1	107	88.2	157
1918	99.2	49.5	31.1	39.9	131	403	305	131	76.8	91.1	94.0	116	131
1919	53.8	97.9	170	132	46.4	328	315	411	66.8	73.0	88.0	89.6	157
1920	120	209	164	118	119	534	646	171	155	82.4	147	131	216
1921	164	230	431	179	127	439	380	156	81.3	66.8	80.2	71.8	202
1922	80.6	75.1	148	86.8	129	583	394	277	210	123	104	90.2	176
1923	103	86.4	106	228	71.2	293	492	235	120	69.4	85.7	81.0	165
1924	177	126	234	315	153	166	596	296	94.4	81.0	81.3	115	203
1925	105	105	113	74.4	266	356	208	131	68.6	118	91.0	86.5	143
1926	102	127	196	182	122	356	592	193	78.0	71.6	91.2	81.6	184
1927	103	245	98.2	212	189	522	167	258	145	73.7	225	168	201
1928	314	817	438	272	217	209	332	323	303	204	438	222	341
1929	127	108	126	158	141	442	688	342	109	81.4	75.2	76.8	206
1930	91.3	89.2	135	122	151	239	170	97.1	109	64.2	57.9	57.2	115
1931	69.6	88.7	48.9	49.9	56.8	155	424	278	233	71.0	58.9	39.4	131
1932	83.4	87.3	112	239	143	118	437	98.4	73.3	74.6	85.4	68.2	135
1933	117	323	118	147	117	159	706	119	72.8	71.7	165	319	202
1934	127	119	110	186	120	288	466	211	129	93.4	97.8	206	179
1935	146	233	220	260	163	324	235	183	142	93.5	80.6	79.6	180
1936	77.6	128	104	139	82.9	947	305	142	75.6	75.2	85.6	83.0	188
1937	98.1	105	202	297	211	116	345	334	133	114	186	211	196
1938	301	244	175	275	223	240	197	144	258	261	247	644	267
1939	165	184	298	177	201	262	570	119	104	69.5	61.5	64.0	191
1940	89.4	83.0	112	93.3	53.0	110	742	311	165	69.9	19.4	21.4	155
1941	54.9	143	186	126	212	148	258	61.6	88.5	39.2	29.8	69.6	117
1942	65.5	71.1	142	116	68.8	375	278	177	149	129	50.3	88.2	143
1943	139	376	283	197	171	358	372	382	169	88.4	63.5	51.2	221
1944	86.4	236	103	85.2	65.6	234	398	115	60.7	97.0	85.6	105	140
1945	76.6	137	137	124	96.8	587	362	468	296	290	153	139	242

Note.— Negative figures indicate that evaporation and seepage from reservoir exceeded inflow. Runoff for period June 1913 to September 1936 adjusted for change in contents in Otis Reservoir, and not previously published. Runoff for period June 1913 to September 1933 recomputed on basis of revised drainage area.

^{a/} Published as West Branch of Farmington River near New Boston in 1913.

Monthly and annual runoff, in inches (adjusted), of Farmington River near New Boston, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	-	-	-	-	-	0.60	-0.12	0.10	0.28	-
1914	1.92	2.81	1.74	1.08	1.57	5.82	7.96	3.28	.42	.43	-.09	.18	27.12
1915	.11	.38	.57	3.94	4.13	1.56	2.78	1.67	.96	3.52	2.91	.70	28.23
1916	.66	1.06	2.86	4.01	3.42	1.88	8.10	2.24	1.70	1.41	.49	.54	28.87
1917	.46	1.23	1.57	1.73	.72	4.29	5.29	2.81	2.48	.82	.11	.16	21.67
1918	.83	.75	.84	.53	1.94	5.92	4.55	1.97	.81	.40	.17	1.00	19.31
1919	.73	1.35	2.49	1.99	.72	5.02	4.87	5.34	.72	.57	.22	.60	24.42
1920	.65	2.73	2.51	.74	.80	7.47	9.61	2.56	2.25	1.00	1.79	.98	33.09
1921	1.97	3.17	5.58	1.95	.86	6.60	4.86	1.93	.43	.61	.56	.15	28.47
1922	.28	.91	2.09	.59	1.42	6.04	5.89	4.22	2.60	1.46	1.04	.79	27.33
1923	.80	.75	.87	3.09	1.08	4.43	6.60	2.94	1.37	.87	.28	.39	22.97
1924	1.76	1.87	3.58	4.58	1.38	1.80	8.71	3.75	1.07	.21	.29	.75	29.75
1925	.88	1.07	1.98	.38	3.62	5.24	2.97	1.96	.97	1.67	.88	.42	21.74
1926	.67	2.13	2.95	2.47	1.69	4.68	7.66	2.40	.91	.40	1.12	.35	27.43
1927	.98	3.58	1.57	2.48	2.54	6.80	2.29	3.31	1.71	.92	2.88	1.55	30.41
1928	4.20	9.41	5.57	3.02	2.89	2.87	4.47	3.97	3.70	2.54	5.40	2.19	50.23
1929	.46	.79	1.31	2.39	1.75	6.64	9.20	4.31	.82	.18	.13	.21	28.19
1930	.70	1.13	1.80	1.88	1.89	3.58	2.44	1.46	1.58	.74	.23	.14	17.57
1931	.16	.90	.54	.36	.66	2.23	6.52	4.22	3.48	.82	.52	.03	20.44
1932	.27	.50	1.24	3.59	1.68	1.74	6.49	1.38	.71	.91	.25	.13	18.98
1933	1.47	4.94	1.52	1.99	1.52	2.50	8.37	1.37	.52	.10	1.41	4.46	30.67
1934	1.15	1.18	1.36	2.72	.80	4.17	7.07	2.83	1.55	.34	.37	2.56	26.10
1935	1.82	3.21	2.97	3.31	1.59	4.83	8.35	1.91	1.72	.62	.15	.27	25.75
1936	.33	1.21	1.14	2.00	1.15	14.19	4.52	1.84	.43	.13	.30	.39	27.63
1937	.92	.89	2.97	4.43	2.86	1.84	5.04	4.66	1.45	1.16	1.42	1.87	29.51
1938	3.48	3.70	2.51	3.58	2.77	2.77	2.92	2.18	3.29	3.33	2.43	8.41	41.37
1939	1.57	1.60	4.24	1.57	1.84	4.00	7.65	1.41	.61	.40	.50	.28	25.67
1940	.38	1.16	1.00	1.12	.68	1.57	11.07	4.83	2.25	.84	.14	.21	25.25
1941	.14	1.34	1.86	1.35	2.04	1.33	3.84	.89	1.32	.58	.34	.30	15.33
1942	.29	.90	1.84	1.81	.95	5.75	4.12	2.48	1.80	1.42	.51	.70	22.57
1943	1.08	4.07	2.91	1.64	1.63	5.76	4.55	4.84	2.12	.79	.53	.32	30.24
1944	1.00	3.74	1.14	.56	.84	3.44	5.89	1.80	1.01	.99	.35	.97	21.73
1945	.66	1.56	2.07	1.74	1.44	8.56	4.67	6.15	3.57	3.60	1.92	1.50	37.44

Note.- Negative figures indicate that evaporation and seepage from reservoir exceeded inflow. Runoff for period June 1913 to September 1936 adjusted for change in contents in Otis Reservoir, and not previously published. Runoff for period June 1913 to September 1933 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1913	415	-	-	-	-	-	-	-	-
1914	415	1,900	9.6	183	184	2.00	27.12	155	21.71
1915	415	2,000	7.0	136	157	1.71	23.23	165	26.75
1916	431	1,220	35	200	192	2.09	28.37	193	27.05
1917	451	1,310	19	157	147	1.60	21.67	143	20.33
1918	471	840	9	131	131	1.42	19.31	142	21.96
1919	501	1,750	27	157	165	1.79	24.42	171	25.74
1920	501	1,260	31	216	224	2.43	33.09	244	37.72
1921	521	1,260	16	202	193	2.10	28.47	158	21.23
1922	541	1,800	27	176	185	2.01	27.33	175	26.47
1923	561	1,550	15	165	156	1.70	22.97	185	27.76
1924	581	2,510	20	203	201	2.18	29.75	185	26.17
1925	601	1,220	12	143	147	1.60	21.74	152	23.86
1926	621	1,400	27	184	186	2.02	27.43	184	27.61
1927	641	1,140	34	201	206	2.24	30.41	295	43.66
1928	661	4,580	34	341	340	2.70	50.23	240	33.61
1929	681	2,070	5.7	206	191	2.08	28.19	202	29.26
1930	696	752	16	115	119	1.29	17.57	106	15.54
1931	711	1,250	17	131	139	1.51	20.44	137	20.95
1932	726	1,330	6	135	128	1.39	18.98	157	24.60
1933	741	1,950	24	202	208	2.26	30.67	185	26.53
1934	756	1,460	20	179	177	1.92	26.10	200	30.41
1935	761	1,640	15	180	175	1.90	25.75	156	20.43
1936	801	5,900	13	188	187	2.03	27.63	196	29.73
1937	821	2,410	25	196	200	2.17	29.51	222	34.42
1938	851	6,680	36	267	281	3.05	41.37	261	39.09
1939	871	1,400	20	191	174	1.89	25.67	160	20.80
1940	891	1,650	12	155	171	1.86	25.25	164	26.05
1941	921	1,130	8.6	117	104	1.13	15.33	108	15.02
1942	951	1,300	15	143	153	1.66	22.57	186	27.60
1943	971	1,060	12	221	205	2.23	30.24	190	28.06
1944	1001	1,640	12	140	147	1.60	21.73	134	20.14
1945	1061	1,550	24	242	254	2.76	37.44	-	-
1914-45	-	6,690	5.7	181	182	1.98	-	-	-

HOUSATONIC RIVER BASIN

HOUSATONIC RIVER AT COLTSVILLE, MASS. ^{a/}

Location.- Water-stage recorder, lat. 42°28'10", long. 73°11'50", at Coltsville, Berkshire County, 1 mile upstream from Unkameet Brook and 2 miles northeast of Pittsfield. Datum of gage is 993.49 feet above mean sea level, datum of 1929.

Drainage area.- 57.1 square miles.

Records available.- March 1936 to September 1945.

Extremes.- 1936-45: Maximum discharge, 6,400 second-feet Sept. 21, 1938 (gage height, 10.80 feet), by computation of flow over dam; minimum daily, 4.4 second-feet (regulated) Aug. 15, 1936.

Remarks.- Flow regulated by power plants above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	-	-	-	-	-	-	222	91.4	36.0	22.4	28.0	27.4	-
1937	41.5	53.7	116	193	170	95.8	288	209	127	58.8	39.0	92.4	123
1938	134	154	90.9	155	139	154	129	106	125	201	115	326	152
1939	93.8	81.4	190	73.1	121	191	423	101	61.2	34.3	35.4	34.1	120
1940	45.5	73.4	60.7	43.1	34.3	66.5	573	253	97.9	49.5	32.1	37.9	113
1941	25.3	74.1	92.9	54.8	93.1	66.9	161	75.7	45.1	32.3	22.3	41.4	65.0
1942	56.5	51.2	80.5	82.4	42.4	274	118	69.1	65.7	53.1	65.7	99.0	99.0
1943	75.2	181	99.0	84.2	111	252	250	304	109	68.6	77.8	38.9	138
1944	47.3	119	44.6	34.5	49.9	167	267	82.5	71.5	52.0	32.0	66.9	86.8
1945	53.8	73.5	92.4	108	81.9	345	248	255	218	220	93.1	66.2	155

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	-	-	-	-	-	-	4.34	1.84	0.70	0.45	0.56	0.54	-
1937	0.84	1.05	2.34	3.90	3.10	1.89	5.62	4.22	2.48	1.19	.79	1.81	29.23
1938	2.71	3.01	1.83	3.12	2.53	3.11	2.52	2.14	2.44	4.06	2.32	6.37	36.16
1939	1.89	1.60	3.84	1.48	2.21	3.86	8.27	2.04	1.19	.69	.72	.67	28.46
1940	.92	1.43	1.23	.87	.65	1.34	11.19	5.11	1.91	1.00	.65	.74	27.04
1941	.51	1.45	1.88	1.11	1.70	1.35	3.15	1.53	.88	.65	.45	.81	15.47
1942	.74	1.00	1.62	1.66	.77	5.54	4.77	2.38	1.35	1.33	1.07	1.28	23.51
1943	1.52	3.53	2.00	1.70	2.03	5.08	4.89	6.14	2.14	1.39	1.57	.76	32.75
1944	.95	2.32	.90	.70	.94	3.38	5.23	1.87	1.40	1.05	.65	1.31	20.70
1945	1.09	1.44	1.87	2.18	1.49	6.97	4.85	5.15	4.25	4.44	1.88	1.29	36.90

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Runoff in inches
1936	801	-	-	123	-	-	-
1937	821	1,400	5.3	-	2.15	29.23	137
1938	851	3,110	17	152	2.66	36.16	151
1939	871	1,550	14	120	2.10	28.46	104
1940	891	1,140	10	113	1.98	27.04	115
1941	921	458	4.8	65.0	1.14	15.47	65.1
1942	951	875	16	99.0	1.75	23.51	114
1943	971	858	21	153	2.42	32.75	126
1944	1001	876	10	86.8	1.52	20.70	87.7
1945	1031	1,260	30	155	2.71	36.90	-
1937 - 45	-	3,110	4.8	117	2.05	-	-

^{a/} Future records for this station will be published as East Branch Housatonic River at Coltsville, Mass.

HOUSATONIC RIVER NEAR GREAT BARRINGTON, MASS.

Location.-- Water-stage recorder, lat. 42°13'45", long. 73°21'35", at upstream side of highway bridge, at Van Deusenville, 600 feet upstream from Williams River, and 2 miles north of Great Barrington, Berkshire County. Datum of gage is 683.04 feet above mean sea level, datum of 1929. Prior to Oct. 1, 1931, staff gage at same site and datum.

Drainage area.-- 280 square miles.

Records available.-- May 1913 to September 1945.

Extremes.-- 1913-45: Maximum discharge, 11,520 second-feet Sept. 22, 1938 (gage height, 11.72 feet), from rating curve extended above 8,200 second-feet on basis of determinations at gage height 11.72 feet by contracted-opening method and by computations of flow over dams; minimum daily, 1.0 second-foot (regulated) Oct. 18, 1914.

Remarks.-- Flow regulated by power plants above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	-	-	-	-	-	304	203	86.8	75.1	-
1914	273	403	415	255	279	1,130	2,290	844	234	186	147	139	549
1915	80.9	106	112	402	954	429	603	309	138	755	462	269	382
1916	222	189	842	1,000	829	655	1,970	527	357	313	174	189	604
1917	166	244	482	505	322	1,160	1,080	523	497	256	126	129	459
1918	138	198	162	118	449	1,310	1,020	572	267	143	123	173	389
1919	175	306	600	600	287	1,110	1,130	1,050	296	228	154	249	517
1920	255	816	724	280	208	1,590	2,650	756	368	266	242	200	695
1921	420	582	1,270	497	331	1,430	1,140	468	134	148	149	118	560
1922	133	263	505	233	336	1,310	1,620	830	864	364	320	339	593
1923	254	196	175	581	348	965	1,480	727	401	185	176	165	471
1924	394	578	1,010	827	281	396	1,900	722	287	187	148	314	585
1925	245	256	238	167	1,070	1,030	775	570	279	263	233	143	435
1926	187	573	474	355	261	680	1,870	535	184	165	268	205	479
1927	290	908	417	400	483	1,590	505	551	365	211	253	264	520
1928	525	2,040	1,280	875	798	676	935	1,040	969	685	937	827	962
1929	266	262	325	341	196	1,650	1,910	1,100	291	161	135	241	575
1930	129	219	359	329	408	777	622	320	334	294	254	266	355
1931	106	198	124	83.5	128	450	1,260	963	776	267	193	141	391
1932	110	140	322	789	521	340	1,570	385	176	196	183	128	404
1933	233	854	359	511	451	652	1,900	401	184	132	330	1,080	588
1934	354	342	391	506	242	956	1,487	682	509	203	148	452	523
1935	443	634	719	814	435	1,076	754	597	361	292	133	126	533
1936	129	249	274	436	254	2,528	1,179	480	191	121	120	132	510
1937	167	246	479	918	717	562	1,260	936	624	371	306	505	569
1938	584	667	605	768	765	709	644	510	583	842	654	1,601	744
1939	492	454	995	377	571	902	1,848	424	203	145	136	109	553
1940	170	371	275	233	201	348	2,529	979	490	220	144	163	508
1941	124	362	372	377	426	291	646	281	187	136	128	205	293
1942	143	218	356	405	228	1,213	895	459	313	289	204	249	416
1943	349	890	659	506	519	1,204	1,020	1,315	558	269	322	165	649
1944	167	575	237	166	251	814	1,166	458	272	231	199	248	406
1945	204	290	434	533	343	1,643	1,156	1,259	844	1,140	574	301	731

Monthly and annual runoff, in inches, of Housatonic River near Great Barrington, Mass.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	-	-	-	-	-	1.22	0.84	0.36	0.30	-
1914	1.12	1.61	1.71	1.05	1.03	4.66	9.13	3.47	.93	.77	.61	.55	26.64
1915	.53	.42	.46	1.66	3.55	1.76	2.40	1.27	.55	3.11	1.90	1.07	18.48
1916	.91	.75	3.47	4.12	3.19	2.70	7.86	2.17	1.43	1.29	.72	.75	29.36
1917	.68	.97	1.98	2.08	1.20	4.77	4.31	2.16	1.99	1.05	.52	.51	22.22
1918	.57	.79	.67	.49	1.67	5.40	4.06	2.35	1.06	.59	.51	.69	18.85
1919	.72	1.22	2.47	2.47	1.06	4.56	4.51	4.32	1.18	.94	.63	.99	25.07
1920	1.05	3.25	2.99	1.15	.80	6.55	10.55	3.11	1.47	1.10	1.00	.80	33.82
1921	1.73	2.32	5.23	2.05	1.23	5.89	4.54	1.92	.53	.61	.61	.47	27.13
1922	.55	1.05	2.08	.96	1.25	5.40	8.46	3.41	3.45	1.50	1.31	1.45	28.77
1923	1.04	.78	.72	2.40	1.29	3.98	5.90	3.00	1.60	.76	.73	.66	22.86
1924	1.63	2.30	4.16	3.40	1.08	1.63	7.58	2.97	1.14	.69	.61	1.25	28.44
1925	1.01	1.02	.96	.69	3.98	4.24	3.09	2.35	1.11	1.08	.96	.57	21.08
1926	.77	2.28	1.95	1.46	.97	2.80	7.45	2.20	.73	.68	1.10	.82	23.21
1927	1.20	3.62	1.72	1.65	1.79	6.55	2.01	2.27	1.45	.87	1.04	1.05	25.22
1928	2.16	8.13	5.27	3.60	3.03	2.77	3.73	4.28	3.86	2.82	3.86	3.29	46.80
1929	1.10	1.04	1.34	1.41	.75	6.79	7.61	4.53	1.16	.66	.55	.96	27.88
1930	.53	.87	1.48	1.36	1.52	3.20	2.48	1.51	1.53	1.05	1.05	1.07	17.25
1931	.44	.79	.51	.34	.48	1.86	5.02	3.97	3.10	1.10	.79	.56	18.96
1932	.45	.56	1.33	3.25	2.01	1.40	6.26	1.60	.71	.82	.75	.51	19.65
1933	.96	3.40	1.48	2.10	1.68	2.69	7.58	1.65	.73	.54	1.36	4.31	28.48
1934	1.45	1.36	1.61	2.09	.90	3.93	5.92	2.81	2.03	.84	.61	1.80	25.35
1935	1.82	2.52	2.96	3.36	1.61	4.43	3.00	2.46	1.44	1.20	.55	.50	25.85
1936	.53	.99	1.13	1.80	.98	10.41	4.70	1.87	.76	.50	.49	.53	24.79
1937	.69	.98	1.97	3.78	2.67	2.32	5.02	3.84	2.49	1.52	1.26	2.01	28.55
1938	2.41	2.66	2.49	3.16	2.92	2.57	2.32	2.57	2.10	3.47	2.70	6.38	36.10
1939	2.03	1.81	4.09	1.56	2.12	3.71	7.36	1.74	.81	.60	.56	.43	26.82
1940	.70	1.48	1.13	.96	.77	1.43	10.08	4.03	1.95	.90	.59	.65	24.67
1941	.51	1.44	1.53	1.55	1.58	1.20	2.57	1.16	.75	.56	.53	.82	14.20
1942	.59	.8	1.47	1.67	.85	5.00	3.57	1.89	1.25	1.19	.84	.99	20.18
1943	1.44	3.54	2.71	2.08	1.93	4.96	4.06	5.42	2.22	1.11	1.33	.66	31.46
1944	.69	2.29	1.39	.68	.97	3.35	4.73	1.89	1.09	.95	.82	.99	19.84
1945	.84	1.16	1.79	2.19	1.28	6.77	4.61	5.18	3.86	4.69	2.36	1.20	35.43

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean
1913	415	5,070	-	-	1.96	26.64	483
1914	415	5,070	17	549	1.96	18.48	462
1915	415	64,110	1.0	382	1.96	18.48	462
1916	431	4,200	49	604	2.16	29.36	573
1917	451	4,200	29	459	1.64	22.22	425
1918	471	2,650	2.6	369	1.39	18.85	438
1919	501	2,470	14	517	1.85	25.07	577
1920	501	4,300	16	695	2.48	33.82	736
1921	521	4,600	15	560	2.00	27.13	445
1922	541	3,410	6	593	2.12	28.77	570
1923	561	4,500	5	471	1.68	22.86	595
1924	581	4,700	13	585	2.09	28.44	481
1925	601	4,300	4.2	435	1.55	21.08	476
1926	621	3,370	22	479	1.71	23.21	510
1927	641	3,810	47	520	1.86	25.22	706
1928	661, 1051	7,740	105	962	3.44	46.80	714
1929	681	4,130	18	575	2.05	27.88	562
1930	696	1,710	61	355	1.27	17.25	332
1931	711	2,370	27	391	1.40	18.96	403
1932	726	2,840	30	404	1.44	19.65	476
1933	741, 1051	5,400	60	588	2.10	28.48	558
1934	756	2,560	42	523	1.87	25.35	582
1935	761	3,590	48	533	1.90	25.85	437
1936	801	8,740	22	510	1.82	24.79	530
1937	821	2,850	36	589	2.10	28.55	670
1938	851	11,000	32	744	2.66	36.10	752
1939	871	4,950	7.0	553	1.98	26.82	458
1940	891	4,070	46	508	1.81	24.67	511
1941	921	1,340	43	293	1.05	14.20	281
1942	951	2,670	89	416	1.49	20.18	514
1943	971	2,760	63	649	2.32	31.46	580
1944	1001	2,380	71	408	1.46	19.84	396
1945	1061	3,580	111	751	2.61	35.43	-
1914 - 45	-	11,000	1.0	530	1.89	-	-

c Corrected.

HOUSATONIC RIVER AT FALLS VILLAGE, CONN.

Location.-- Water-stage recorder, lat. 41°57'15", long. 73°22'05", at Falls Village, Litchfield County, half a mile downstream from power plant of Connecticut Power Co. and $1\frac{1}{2}$ miles downstream from Hellenbeck River. Datum of gage is 522.41 feet above mean sea level, datum of 1929 (levels by Corps of Engineers, U. S. Army). Prior to Dec. 15, 1913, chain gage 300 feet upstream. Prior to Oct. 27, 1912, temporary staff gages.

Drainage area.-- 632 square miles.

Records available.-- July 1912 to September 1945.

Extremes.-- 1912-45: Maximum discharge, 19,900 second-feet Sept. 23, 1938 (gage height, 20.7 feet, from floodmark); practically no flow at times when power plant was shut down; minimum daily, 24 second-feet (regulated) Oct. 15, 1914, Sept. 18, 1932.

Remarks.-- Low flow completely regulated by power plant of Connecticut Power Co.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	-	-	-	-	-	-	-	321	316	-
1913	591	1,180	1,410	2,300	1,250	2,700	2,420	915	536	193	157	181	1,150
1914	726	984	912	513	721	2,390	3,820	1,830	407	306	255	196	1,090
1915	122	117	131	1,110	2,030	884	1,110	614	332	1,430	1,320	605	810
1916	450	441	1,730	2,270	1,870	1,380	3,630	1,140	802	890	445	449	1,290
1917	388	485	916	997	597	2,100	2,140	1,170	1,030	565	286	231	911
1918	277	450	347	248	1,080	2,700	1,860	1,150	555	270	189	437	795
1919	453	640	1,060	1,290	568	2,160	2,340	1,820	582	438	235	401	1,000
1920	364	1,240	1,290	377	267	2,910	4,300	1,490	858	509	732	487	1,240
1921	1,130	1,180	2,500	1,170	756	2,760	2,330	978	371	365	332	240	1,180
1922	239	550	991	514	704	2,370	2,910	1,640	1,250	721	620	553	1,090
1923	371	321	307	1,200	770	2,130	2,390	1,280	715	354	301	327	871
1924	719	1,110	2,000	1,770	589	766	3,370	1,480	604	257	270	584	1,120
1925	494	369	614	256	2,200	2,140	1,500	936	490	573	466	322	855
1926	398	1,030	872	820	743	1,850	2,900	995	426	252	442	359	922
1927	611	1,680	843	1,010	1,160	2,910	1,030	1,170	690	354	925	757	1,090
1928	1,340	3,800	2,550	1,320	1,610	1,140	1,740	1,540	1,650	1,340	2,070	1,310	1,780
1929	454	356	409	641	526	2,730	3,310	1,700	423	239	157	161	927
1930	209	321	507	610	674	1,490	1,050	599	870	492	259	198	606
1931	141	369	291	220	299	1,080	2,230	1,380	1,600	554	357	275	732
1932	228	235	555	1,390	1,080	756	2,980	727	552	530	345	260	800
1933	512	1,980	779	982	949	1,550	3,940	1,090	560	209	563	2,230	1,270
1934	767	701	755	1,160	509	2,132	2,647	1,478	891	441	531	901	1,078
1935	931	1,316	1,440	1,518	862	2,233	1,463	1,072	755	544	245	227	1,055
1936	201	417	515	934	494	5,291	2,535	962	352	211	236	259	1,040
1937	368	474	1,118	2,063	1,535	1,171	2,471	1,878	1,215	810	675	1,150	1,240
1938	1,233	1,351	1,278	1,806	1,618	1,301	1,308	911	1,160	1,638	1,512	3,543	1,534
1939	1,059	935	2,236	840	1,264	2,029	3,721	921	391	254	229	181	1,169
1940	244	659	491	374	340	845	5,207	1,960	1,220	574	279	321	1,038
1941	223	756	787	792	917	681	1,403	541	527	334	267	322	625
1942	237	365	685	795	537	2,506	1,861	1,029	802	757	425	435	856
1943	699	1,640	1,506	1,283	1,296	2,629	1,918	2,462	1,223	518	476	261	1,345
1944	311	1,257	641	312	504	1,725	2,528	861	704	463	365	437	834
1945	367	584	918	1,074	678	3,225	2,173	2,802	1,764	2,302	1,461	791	1,520

Monthly and annual runoff, in inches, of Housatonic River at Falls Village, Conn.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	-	-	-	-	-	-	-	0.59	0.56	-
1913	1.05	2.09	2.57	4.20	2.06	4.92	4.27	1.87	0.95	0.35	.29	.32	24.77
1914	1.35	1.74	1.66	.94	1.19	4.36	6.74	3.34	.72	.56	.46	.35	23.39
1915	.22	.21	.24	2.03	3.34	1.61	1.96	1.12	.59	2.61	2.41	1.07	17.41
1916	.82	.78	3.16	4.14	3.19	2.51	6.40	2.08	1.42	1.63	.81	.79	27.73
1917	.71	.86	1.67	1.82	.98	3.85	3.78	2.15	1.82	1.03	.52	.41	19.56
1918	.50	.79	.63	.45	1.78	4.92	3.28	2.10	.98	.49	.34	.77	17.03
1919	.83	1.13	1.97	2.35	.94	3.94	4.13	3.32	1.03	.80	.43	.71	21.58
1920	.66	2.19	2.35	.69	.46	5.30	7.59	2.72	1.52	.93	1.34	.86	26.61
1921	2.06	2.09	4.56	2.13	1.25	5.04	4.12	1.79	.65	.67	.61	.42	25.39
1922	.44	.97	1.81	.94	1.16	4.32	5.13	2.99	2.21	1.31	1.15	.98	23.41
1923	.68	.57	.56	2.19	1.27	3.88	4.22	2.29	1.26	.65	.55	.58	18.70
1924	1.31	1.96	3.64	3.23	1.01	1.40	5.95	2.66	1.07	.47	.49	1.03	24.22
1925	.88	.65	1.12	.47	3.62	3.91	2.64	1.71	.86	1.05	.89	.57	18.37
1926	.73	1.82	1.59	1.50	1.23	3.38	5.12	1.81	.75	.46	.81	.63	19.83
1927	1.11	2.85	1.53	1.84	1.82	5.30	1.82	2.15	1.22	.65	1.69	1.34	23.47
1928	2.44	6.70	4.65	2.41	2.75	2.08	3.07	2.81	2.31	2.44	3.78	2.31	38.35
1929	.83	.63	.75	1.16	.87	4.98	5.85	3.10	.75	.44	.29	.28	19.93
1930	.38	.57	.92	1.11	1.11	2.72	1.85	1.09	1.54	.90	.47	.35	13.01
1931	.26	.65	.53	.40	.49	1.97	3.94	2.51	2.82	1.01	.65	.49	15.72
1932	.42	.42	1.01	2.54	1.84	1.38	5.27	1.33	.97	.97	.63	.46	17.24
1933	.92	3.49	1.42	1.79	1.56	2.82	6.95	1.96	.99	.38	1.03	3.94	27.28
1934	1.40	1.24	1.57	2.12	.84	3.86	5.02	2.70	1.57	.80	.60	1.60	23.14
1935	1.70	2.32	2.63	2.77	1.42	4.07	2.62	1.96	1.33	.99	.45	.40	22.66
1936	.37	.74	.94	1.71	.84	9.65	4.47	1.79	.62	.39	.43	.46	22.41
1937	.67	.84	2.04	3.76	2.53	2.13	4.36	3.42	2.14	1.48	1.23	2.03	26.63
1938	2.25	2.39	2.33	2.93	2.67	2.38	2.31	1.66	2.05	2.99	2.76	6.26	32.98
1939	1.94	1.65	4.08	1.53	2.08	3.70	6.57	1.68	.69	.46	.42	.32	25.12
1940	.44	1.16	.90	.68	.58	1.54	9.19	3.57	2.15	1.05	.51	.57	22.34
1941	.41	1.34	1.44	1.44	1.51	1.24	2.48	.99	.93	.61	.49	.57	13.45
1942	.43	.64	1.24	1.45	.89	4.58	2.93	1.88	1.42	1.38	.77	.77	18.38
1943	1.28	3.25	2.74	2.34	2.14	4.80	3.38	4.50	2.16	.95	.87	.46	28.87
1944	.57	2.22	1.16	.57	.86	3.15	4.11	1.79	1.24	.85	.67	.77	17.96
1945	.67	1.03	1.67	1.96	1.11	5.88	3.84	5.11	3.11	4.20	2.66	1.40	32.64

Note.- Runoff for period August 1912 to September 1934 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30				Calendar year		
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1912	415	-	-	-	-	-	-	-
1913	415	8,110	72	1,150	1.82	24.77	1,110	23.76
1914	415	8,520	136	1,090	1.72	23.39	900	19.33
1915	415	5,850	24	810	1.28	17.41	1,000	21.50
1916	431	6,720	70	1,290	2.04	27.73	1,220	26.21
1917	451	5,820	40	911	1.44	19.56	850	18.24
1918	471	4,100	25	795	1.26	17.03	897	19.04
1919	501	3,600	50	1,000	1.58	21.58	1,060	22.85
1920	501	7,800	61	1,240	1.98	26.61	1,400	30.12
1921	521	5,300	88	1,180	1.87	25.39	925	19.90
1922	541	5,000	71	1,090	1.72	23.41	1,020	22.00
1923	561	5,400	105	871	1.38	18.70	1,110	23.80
1924	581	7,220	59	1,120	1.77	24.22	927	19.96
1925	601	6,750	70	855	1.35	18.37	924	19.66
1926	621	4,160	48	922	1.46	19.83	990	21.26
1927	641	5,500	50	1,090	1.72	23.47	1,480	31.69
1928	661	11,500	179	1,780	2.82	38.35	1,240	26.77
1929	681	6,830	45	927	1.47	19.93	912	19.59
1930	696	2,610	49	606	.959	13.01	586	12.58
1931	711	4,290	32	732	1.16	15.72	751	16.13
1932	726	5,150	24	800	1.27	17.24	986	21.23
1933	741	7,950	60	1,270	2.01	27.28	1,190	25.45
1934	756	5,000	121	1,078	1.71	23.14	1,201	25.78
1935	781	4,520	65	1,055	1.67	22.66	841	18.06
1936	801	14,200	97	1,040	1.65	22.41	1,110	23.91
1937	821	5,080	46	1,240	1.96	26.63	1,400	30.05
1938	851	19,300	270	1,534	2.43	32.98	1,567	33.68
1939	871	7,470	109	1,169	1.85	25.12	929	19.95
1940	891	9,000	124	1,038	1.64	22.34	1,069	23.03
1941	921	2,530	115	625	.989	13.45	586	12.57
1942	951	4,720	148	856	1.35	18.38	1,086	23.24
1943	971	4,900	135	1,343	2.12	28.87	1,189	25.55
1944	1001	3,930	110	824	1.32	17.95	807	17.53
1945	1031	6,100	204	1,520	2.41	32.64	-	-
1913 - 45	-	19,300	24	1,056	1.67	-	-	-

Note.- Runoff for period August 1912 to September 1934 recomputed on basis of revised drainage area.

HUDSON RIVER BASIN

HOOSIC RIVER AT ADAMS, MASS.

Location.- Water-stage recorder, lat. 42°36'45", long. 73°07'25", at Adams, Berkshire County, just downstream from Dry Brook and 0.3 mile upstream from Pecks Brook. Datum of gage is 837.01 feet above mean sea level, datum of 1929.

Drainage area.- 46.3 square miles.

Records available.- October 1931 to September 1945.

Extremes.- 1931-45: Maximum discharge, 5,080 second-feet Sept. 21, 1938 (gage height, 8.25 feet), by computation of flow over dam; minimum daily, 12 second-feet Aug. 2, 1936, Sept. 24, 25, Oct. 13, 1939, Oct. 26, 27, 1940, Oct. 9, 10, 1943.

Remarks.- Some diurnal fluctuation caused by mill above station. Flow regulated by Cheshire Reservoir. Runoff figures adjusted for diversion for municipal supply of Adams.

Monthly and annual mean discharge, in second-feet (observed)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1932	22.8	27.4	121	159	85.9	77.7	248	72.5	31.6	32.0	38.6	22.9	78.3
1933	43.1	116	66.2	94.1	75.2	79.3	355	74.0	42.6	35.8	39.5	73.5	90.7
1934	49.6	48.8	67.8	76.9	39.2	168	251	97.5	64.8	47.0	32.1	66.6	84.3
1935	54.3	94.6	116	140	65.1	179	125	112	71.1	101	30.7	38.9	94.3
1936	33.5	66.3	50.2	81.3	47.2	474	180	89.5	39.7	29.4	33.0	25.0	96.2
1937	31.0	44.7	107	158	128	77.9	222	159	98.9	47.3	31.1	66.3	97.3
1938	112	130	79.2	111	119	129	114	93.8	83.6	212	93.9	286	130
1939	79.0	69.9	156	59.3	90.1	134	305	70.5	31.9	23.8	32.1	31.8	90.0
1940	23.3	72.8	38.4	29.0	23.5	57.2	523	268	58.9	43.1	32.1	28.6	99.4
1941	16.6	64.9	98.1	67.6	70.1	54.9	111	56.1	44.1	38.5	29.0	46.6	58.0
1942	28.2	50.4	68.4	71.0	46.7	190	191	68.7	43.4	35.8	26.7	48.9	72.6
1943	46.4	104	80.1	80.3	75.4	187	221	254	101	63.9	52.5	39.6	109
1944	26.3	90.8	59.4	40.6	40.1	130	216	74.2	47.8	40.5	22.3	66.3	71.0
1945	39.6	48.3	76.1	98.3	65.7	278	213	152	137	160	95.5	51.7	119

Monthly and annual runoff, in inches (adjusted)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1932	0.62	0.71	3.07	4.01	2.05	1.98	6.02	1.86	0.81	0.85	1.01	0.60	23.59
1933	1.12	2.84	1.70	2.39	1.73	2.02	8.60	1.89	1.07	.94	1.03	1.82	27.15
1934	1.28	1.25	1.73	1.96	.92	4.23	6.09	2.48	1.61	1.22	.84	1.65	25.24
1935	1.40	2.32	2.94	3.54	1.50	4.51	3.04	2.84	1.76	2.56	.81	.98	28.20
1936	.88	1.64	1.30	2.08	1.14	11.87	4.36	2.27	1.00	.78	.87	.65	28.84
1937	.82	1.12	2.69	3.99	2.93	1.98	5.40	4.01	2.43	1.22	.82	1.64	29.05
1938	2.84	3.18	2.02	2.79	2.72	3.24	2.80	2.39	2.06	5.33	2.39	6.94	38.70
1939	2.04	1.73	3.83	1.52	2.07	3.37	7.40	1.80	.81	1.64	.85	.81	26.95
1940	.63	1.80	1.00	.77	.59	1.47	12.64	6.73	1.46	1.12	.85	.73	29.79
1941	.46	1.61	2.49	1.73	1.62	1.41	2.72	1.44	1.11	1.01	.77	1.17	17.54
1942	.75	1.26	1.75	1.81	1.09	4.79	4.65	1.76	1.09	.94	.71	1.22	21.82
1943	1.20	2.56	2.04	2.05	1.74	4.70	5.38	6.37	2.49	1.64	1.25	1.00	32.52
1944	.70	2.25	1.52	1.06	.98	3.29	5.25	1.89	1.20	1.05	.60	1.64	21.41
1945	1.03	1.21	1.94	2.49	1.52	6.98	5.18	3.84	3.36	4.03	2.42	1.29	35.29

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30						Calendar year	
		Observed			Adjusted			Observed	Adjusted
		Maximum day	Minimum day	Mean	Mean	Per square-mile	Runoff in inches	Mean	Runoff in inches
1932	726	648	13	78.3	80.3	1.73	23.59	82.6	24.85
1933	741	658	14	90.7	92.5	2.00	27.15	85.9	25.73
1934	756	649	16	84.3	86.1	1.86	25.24	92.5	27.66
1935	781	786	15	94.3	96.1	2.08	28.20	84.6	25.36
1936	801	2,410	12	96.2	98.1	2.12	28.84	99.0	29.65
1937	821	676	17	97.3	99.1	2.14	29.05	109	32.46
1938	851	2,170	25	130	132	2.65	38.70	129	38.34
1939	871	760	12	90.0	91.9	1.98	26.95	75.5	22.70
1940	891	655	12	99.4	101	2.18	29.79	103	30.92
1941	921	416	12	58.0	59.8	1.29	17.54	55.2	16.74
1942	951	800	18	72.6	74.4	1.61	21.82	79.6	22.86
1943	971	608	14	109	111	2.40	32.52	104	31.17
1944	1001	646	12	71.0	72.9	1.57	21.41	70.1	21.14
1945	1031	679	26	119	120	2.59	35.29	-	-
1932 - 45	-	2,410	12	92.2	93.9	2.03	-	-	-

HOOSIC RIVER NEAR WILLIAMSTOWN, MASS.

Location.— Water-stage recorder, lat. 42°42'20", long. 73°10'50", 0.75 mile upstream from Green River and $1\frac{1}{4}$ miles east of Williamstown, Berkshire County.

Drainage area.— 132 square miles.

Records available.— July 1940 to September 1945.

Extremes.— 1940-45: Maximum discharge, 5,500 second-feet Nov. 9, 1943 (gage height, 10.51 feet), from rating curve extended above 2,100 second-feet by logarithmic plotting; minimum, 5.8 second-feet (regulated) Aug. 30, 31, Oct. 28, 1940; minimum daily, 42 second-feet (regulated) Oct. 10, 1943.

Flood in September 1938 reached a stage of 12.8 feet, from floodmarks.

Remarks.— Diurnal fluctuation at low flow caused by mills above station. Flow regulated by Cheshire Reservoir.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	-	-	-	-	-	-	-	76.7	150	-
1941	64.3	277	322	194	226	152	419	177	121	103	69.9	104	185
1942	96.7	157	217	230	122	593	682	249	122	119	80.5	115	233
1943	138	362	256	187	248	551	704	872	276	136	172	85.1	333
1944	111	363	158	101	119	417	791	204	178	108	70.9	157	231
1945	124	140	211	227	145	863	593	517	411	393	180	136	330

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	-	-	-	-	-	-	-	0.67	1.27	-
1941	0.56	2.34	2.81	1.69	1.78	1.33	3.54	1.55	1.02	0.90	.61	.88	19.01
1942	.84	1.33	1.90	2.01	.96	5.18	5.77	2.17	1.03	1.04	.70	.98	23.91
1943	1.20	3.08	2.24	1.63	1.95	4.81	5.95	7.62	2.33	1.19	1.51	.72	34.21
1944	.97	3.07	1.38	.88	.97	3.64	6.68	1.78	1.51	.95	.62	1.33	28.78
1945	1.09	1.19	1.84	1.99	1.15	7.54	5.02	4.52	3.47	3.45	1.58	1.15	33.97

Annual discharge, in second-feet

Year	W.S.P.	Water year ending Sept. 30					Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean	Runoff in inches
1940	921	-	-	-	-	-	-	-
1941	921	1,400	45	185	1.40	19.01	169	17.37
1942	951	2,290	54	233	1.77	23.91	256	26.34
1943	971	2,270	53	333	2.52	34.21	322	33.13
1944	1001	3,510	42	231	1.75	23.78	218	22.48
1945	1031	2,790	84	380	2.50	33.97	-	-
1941-45	-	3,510	42	262	1.98	-	-	-

NORTH BRANCH HOOSIC RIVER AT NORTH ADAMS, MASS.

Location.— Water-stage recorder, lat. 42°42'10", long. 73°05'35", at North Adams, Berkshire County, 0.4 mile downstream from Hudson Brook, and 1½ miles upstream from mouth. Datum of gage is 820.46 feet above mean sea level, datum of 1929.

Drainage area.— 39.0 square miles.

Records available.— June 1931 to September 1945.

Extremes.— 1931-45: Maximum discharge, 8,950 second-feet Sept. 21, 1938 (gage height, 12.05 feet, from floodmarks), by computation of flow over dam; minimum, 3.3 second-feet (regulated) Aug. 23, Oct. 17, 1941; minimum daily, 5.2 second-feet (regulated) July 16, 1933.
Maximum discharge known, 9,980 second-feet in November 1927, by computation of flow over dam.

Remarks.— Low flow regulated by mill above station.

Monthly and annual mean discharge, in second-feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	21.8	50.0	119	168	76.7	54.9	313	78.7	26.0	23.0	47.3	16.0	82.7
1933	70.6	188	50.0	90.1	67.9	56.0	457	65.0	16.2	7.93	44.9	106	101
1934	65.2	61.1	86.5	69.9	28.5	144	381	84.7	87.3	19.5	12.2	48.8	90.2
1935	53.6	118	116	176	56.5	195	172	121	55.3	88.0	16.1	20.7	99.4
1936	17.6	82.6	48.8	77.3	29.4	598	214	80.9	31.4	12.0	28.1	22.1	104
1937	53.2	74.2	151	189	119	41.2	318	182	45.2	21.5	15.4	41.0	104
1938	112	155	69.2	110	115	187	125	95.0	41.0	173	68.2	314	130
1939	52.7	57.1	151	45.4	88.5	135	404	83.2	25.0	14.4	14.3	14.2	90.0
1940	36.4	62.6	52.1	21.6	20.4	41.6	406	261	75.4	50.2	12.5	72.5	92.4
1941	21.1	124	125	56.5	74.1	43.1	201	80.1	32.9	24.5	14.5	21.9	66.2
1942	35.8	61.6	76.6	81.2	29.0	199	297	91.4	27.7	80.2	20.1	30.4	81.8
1943	50.3	142	73.1	41.5	71.8	168	272	338	88.7	25.6	62.5	15.9	115
1944	46.3	145	54.8	21.3	31.8	126	344	67.2	59.3	27.2	13.8	43.5	80.4
1945	43.2	53.1	73.4	78.6	44.1	337	215	206	154	133	32.9	42.1	119

Monthly and annual runoff, in inches

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	-	-	-	-	-	-	-	0.89	0.47	0.88	-
1932	0.64	1.43	3.52	4.97	2.12	1.63	8.96	2.33	0.74	.68	1.40	.46	28.88
1933	2.09	5.38	1.48	2.66	1.81	1.66	13.05	1.92	.46	.23	1.33	3.04	35.11
1934	1.92	1.75	2.56	2.06	.76	4.25	10.90	2.50	2.50	.58	.36	1.24	31.38
1935	1.58	3.38	3.42	5.20	1.51	5.76	4.92	3.57	1.58	2.61	.48	.59	34.60
1936	.52	2.36	1.44	2.28	.81	17.64	6.12	2.39	.90	.36	.83	.63	36.28
1937	1.57	2.12	4.46	5.59	3.18	1.22	9.09	5.38	1.29	.64	.46	1.17	36.17
1938	3.21	4.43	2.04	3.25	3.07	5.52	3.58	2.81	1.17	5.12	2.02	8.98	45.80
1939	1.56	1.83	4.46	1.84	2.26	3.99	11.56	2.46	.72	.43	.42	.41	31.34
1940	1.08	1.79	1.54	.64	.56	1.23	11.61	7.72	2.16	1.48	.37	2.07	32.25
1941	.62	3.56	3.69	1.67	1.98	1.27	5.76	1.78	.94	.73	.43	.63	23.06
1942	1.06	1.76	2.26	2.40	.77	5.89	8.49	2.70	.79	.89	.60	.87	28.48
1943	1.49	4.06	2.16	1.23	1.92	4.96	7.78	10.00	2.54	.76	1.85	.45	39.20
1944	1.37	4.16	1.03	.63	.88	4.03	9.83	1.99	1.70	.80	.41	1.24	28.07
1945	1.28	1.52	2.35	2.27	1.18	9.98	6.14	6.10	4.41	3.95	.97	1.21	41.38

Note.— Runoff for period July 1931 to September 1933 recomputed on basis of revised drainage area.

Annual discharge, in second-feet

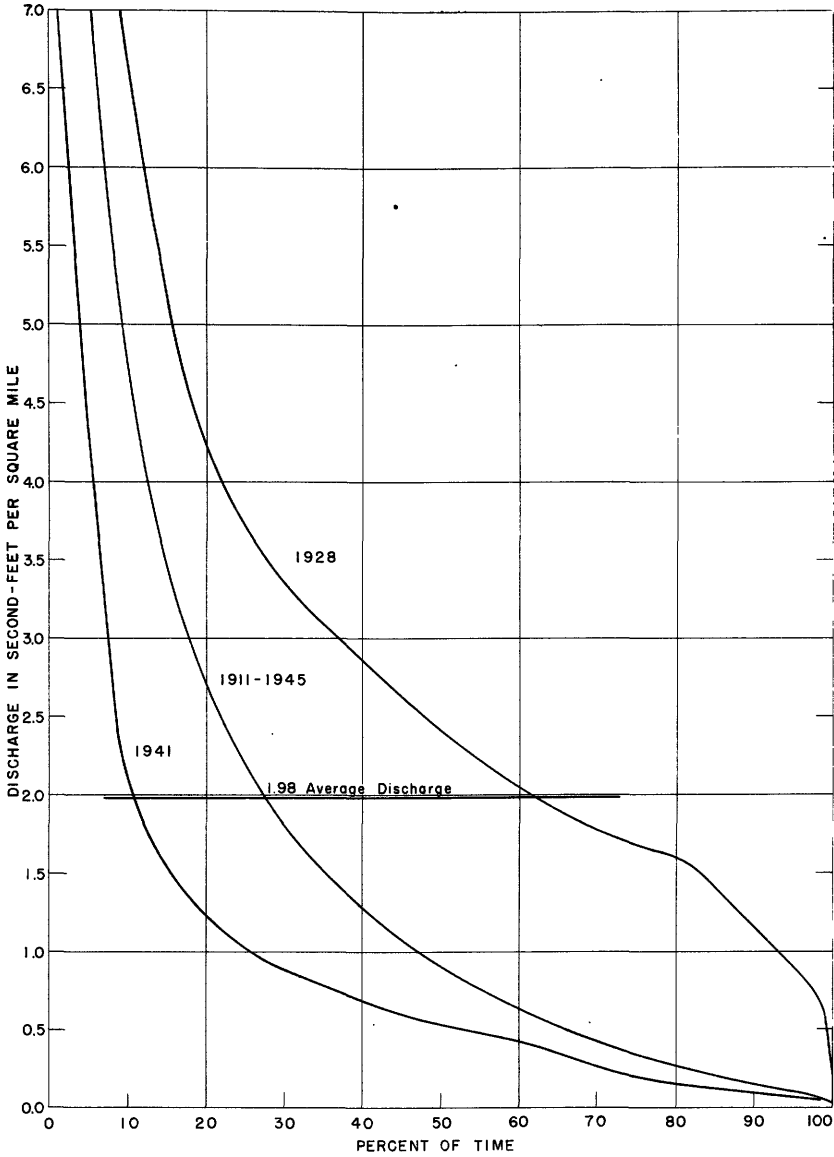
Year	W.S.P.	Water year ending Sept. 30				Calendar year	
		Maximum day	Minimum day	Mean	Per square mile	Runoff in inches	Mean
1931	711	-	-	-	-	-	-
1932	726	740	6.8	82.7	2.12	28.88	92.3
1933	741	1,120	5.2	101	2.59	35.11	93.1
1934	756	1,230	7.2	90.2	2.31	31.38	96.4
1935	781	1,480	7.7	99.4	2.55	34.60	87.8
1936	801	3,860	6.8	104	2.67	36.28	115
1937	821	1,020	8.4	104	2.67	36.17	109
1938	851	3,460	8.0	130	3.33	45.30	124
1939	871	1,260	7.2	90.0	2.81	31.34	80.6
1940	891	1,030	6.6	92.4	2.37	32.25	102
1941	921	690	6.6	66.2	1.70	23.06	58.2
1942	951	1,080	6.9	81.8	2.10	28.48	89.4
1943	971	951	7.5	115	2.90	39.20	109
1944	1001	1,540	7.4	80.4	2.06	28.07	76.4
1945	1031	1,040	13	119	3.05	41.36	-
1932-45	-	3,860	5.2	96.7	2.48	-	-

Note.— Runoff for period July 1931 to September 1933 recomputed on basis of revised drainage area.

DURATION TABLES--Continued

Percent of time flow is greater than indicated.

Discharge in second-feet per square mile	% of time greater than indicated	151 sq. mi. at West Bridford, Mass.	23.9 sq. mi. at Springfield, Mass.	162 sq. mi. at Springfield, Mass.	497 sq. mi. at Springfield, Mass.	52.6 sq. mi. at Springfield, Mass.	93.7 sq. mi. at Springfield, Mass.	92.0 sq. mi. at Springfield, Mass.	57.1 sq. mi. at Springfield, Mass.	280 sq. mi. at Springfield, Mass.	632 sq. mi. at Springfield, Mass.	46.3 sq. mi. at Springfield, Mass.	132 sq. mi. at Springfield, Mass.	29.0 sq. mi. at Springfield, Mass.
0.085	100	99.9	99.9	99.7	100	100	100	100	100	99.92	100	100	100	100
.10	100	99.1	99.1	99.0	100	100	100	100	100	99.86	100	100	100	100
.15	100	98.5	98.5	98.5	100	100	100	100	100	99.4	100	100	100	100
.20	100	98.1	98.1	98.1	100	100	100	100	100	99.1	100	100	100	100
.30	100	97.0	97.0	96.0	100	100	100	100	100	98.3	100	100	100	100
.40	100	94.5	94.5	93.9	100	100	100	100	100	95.6	100	100	100	100
.50	100	84.5	84.5	83.9	100	100	100	100	100	95.1	100	100	100	100
.60	100	76.4	76.4	77.4	100	100	100	100	100	95.4	100	100	100	100
.70	100	71.0	71.0	71.1	100	100	100	100	100	90.7	100	100	100	100
.80	100	66.3	66.3	66.2	100	100	100	100	100	84.8	100	100	100	100
.90	100	61.1	61.1	61.2	100	100	100	100	100	77.6	100	100	100	100
1.00	100	56.6	56.6	56.7	100	100	100	100	100	70.5	100	100	100	100
1.10	100	51.7	51.7	51.8	100	100	100	100	100	65.6	100	100	100	100
1.20	100	47.9	47.9	48.0	100	100	100	100	100	61.7	100	100	100	100
1.30	100	44.8	44.8	44.9	100	100	100	100	100	57.4	100	100	100	100
1.40	100	42.2	42.2	42.3	100	100	100	100	100	54.2	100	100	100	100
1.50	100	39.7	39.7	39.8	100	100	100	100	100	52.9	100	100	100	100
1.60	100	37.1	37.1	37.2	100	100	100	100	100	50.6	100	100	100	100
1.75	100	34.9	34.9	35.0	100	100	100	100	100	48.6	100	100	100	100
1.90	100	31.7	31.7	31.8	100	100	100	100	100	46.8	100	100	100	100
2.05	100	28.7	28.7	28.8	100	100	100	100	100	45.6	100	100	100	100
2.25	100	25.2	25.2	25.3	100	100	100	100	100	43.2	100	100	100	100
2.50	100	22.6	22.6	22.7	100	100	100	100	100	42.1	100	100	100	100
3.00	100	18.9	18.9	19.0	100	100	100	100	100	40.1	100	100	100	100
4.00	100	14.0	14.0	14.1	100	100	100	100	100	37.8	100	100	100	100
5.00	100	11.1	11.1	11.2	100	100	100	100	100	36.8	100	100	100	100
6.00	100	9.3	9.3	9.4	100	100	100	100	100	35.5	100	100	100	100
7.00	100	8.0	8.0	8.1	100	100	100	100	100	34.7	100	100	100	100
8.00	100	7.0	7.0	7.1	100	100	100	100	100	33.5	100	100	100	100
9.00	100	6.2	6.2	6.3	100	100	100	100	100	32.9	100	100	100	100
10.00	100	5.5	5.5	5.6	100	100	100	100	100	32.3	100	100	100	100
11.00	100	4.9	4.9	5.0	100	100	100	100	100	31.6	100	100	100	100
12.00	100	4.4	4.4	4.5	100	100	100	100	100	30.5	100	100	100	100
13.00	100	4.0	4.0	4.1	100	100	100	100	100	29.9	100	100	100	100
14.00	100	3.7	3.7	3.8	100	100	100	100	100	29.2	100	100	100	100
15.00	100	3.4	3.4	3.5	100	100	100	100	100	28.7	100	100	100	100
16.00	100	3.1	3.1	3.2	100	100	100	100	100	28.2	100	100	100	100
17.00	100	2.9	2.9	3.0	100	100	100	100	100	27.8	100	100	100	100
18.00	100	2.7	2.7	2.8	100	100	100	100	100	27.3	100	100	100	100
19.00	100	2.5	2.5	2.6	100	100	100	100	100	26.8	100	100	100	100
20.00	100	2.3	2.3	2.4	100	100	100	100	100	26.2	100	100	100	100
21.00	100	2.1	2.1	2.2	100	100	100	100	100	25.5	100	100	100	100
22.00	100	1.9	1.9	2.0	100	100	100	100	100	25.0	100	100	100	100
23.00	100	1.8	1.8	1.9	100	100	100	100	100	24.5	100	100	100	100
24.00	100	1.7	1.7	1.8	100	100	100	100	100	24.1	100	100	100	100
25.00	100	1.6	1.6	1.7	100	100	100	100	100	23.7	100	100	100	100
26.00	100	1.5	1.5	1.6	100	100	100	100	100	23.3	100	100	100	100
27.00	100	1.4	1.4	1.5	100	100	100	100	100	22.9	100	100	100	100
28.00	100	1.3	1.3	1.4	100	100	100	100	100	22.5	100	100	100	100
29.00	100	1.2	1.2	1.3	100	100	100	100	100	22.1	100	100	100	100
30.00	100	1.1	1.1	1.2	100	100	100	100	100	21.7	100	100	100	100
31.00	100	1.0	1.0	1.1	100	100	100	100	100	21.3	100	100	100	100
32.00	100	0.9	0.9	1.0	100	100	100	100	100	21.0	100	100	100	100
33.00	100	0.8	0.8	0.9	100	100	100	100	100	20.6	100	100	100	100
34.00	100	0.7	0.7	0.8	100	100	100	100	100	20.2	100	100	100	100
35.00	100	0.6	0.6	0.7	100	100	100	100	100	19.8	100	100	100	100
36.00	100	0.5	0.5	0.6	100	100	100	100	100	19.4	100	100	100	100
37.00	100	0.4	0.4	0.5	100	100	100	100	100	19.0	100	100	100	100
38.00	100	0.3	0.3	0.4	100	100	100	100	100	18.6	100	100	100	100
39.00	100	0.2	0.2	0.3	100	100	100	100	100	18.2	100	100	100	100
40.00	100	0.1	0.1	0.2	100	100	100	100	100	17.8	100	100	100	100
41.00	100	0.1	0.1	0.1	100	100	100	100	100	17.4	100	100	100	100
42.00	100	0.0	0.0	0.0	100	100	100	100	100	17.0	100	100	100	100
43.00	100	0.0	0.0	0.0	100	100	100	100	100	16.6	100	100	100	100
44.00	100	0.0	0.0	0.0	100	100	100	100	100	16.2	100	100	100	100
45.00	100	0.0	0.0	0.0	100	100	100	100	100	15.8	100	100	100	100
46.00	100	0.0	0.0	0.0	100	100	100	100	100	15.4	100	100	100	100
47.00	100	0.0	0.0	0.0	100	100	100	100	100	15.0	100	100	100	100
48.00	100	0.0	0.0	0.0	100	100	100	100	100	14.6	100	100	100	100
49.00	100	0.0	0.0	0.0	100	100	100	100	100	14.2	100	100	100	100
50.00	100	0.0	0.0	0.0	100	100	100	100	100	13.8	100	100	100	100
51.00	100	0.0	0.0	0.0	100	100	100	100	100	13.4	100	100	100	100
52.00	100	0.0	0.0	0.0	100	100	100	100	100	13.0	100	100	100	100
53.00	100	0.0	0.0	0.0	100	100	100	100	100	12.6	100	100	100	100
54.00	100	0.0	0.0	0.0	100	100	100	100	100	12.2	100	100	100	100
55.00	100	0.0	0.0	0.0	100	100	100	100	100	11.8	100	100	100	100
56.00	100	0.0	0.0	0.0	100	100	100	100	100	11.4	100	100	100	100
57.00	100	0.0	0.0	0.0	100	100	100	100	100	11.0	100	100	100	100
58.00	100	0.0	0.0	0.0	100	100	100	100	100	10.6	100	100	100	100
59.00	100	0.0	0.0	0.0	100	100	100	100	100	10.2	100	100	100	100
60.00	100	0.0	0.0	0.0	100	100	100	100	100	9.8	100	100	100	100
61.00	100	0.0	0.0	0.0	100	100	100	100	100	9.4	100	100	100	100
62.00	100	0.0	0.0	0.0	100	100	100	100	100	9.0	100	100	100	100
63.00	100	0.0	0.0	0.0	100	100	100	100	100	8.6	100	100	100	100
64.00	100	0.0	0.0	0.0	100	100	100	100	100	8.2	100	100	100	100
65.00	100	0.0	0.0	0.0	100	100	100	100	100	7.8	100	100	100	100
66.00	100	0.0	0.0	0.0	100	100	100	100	100	7.4	100	100	100	100
67.00	100	0.0	0.0	0.0	100	100	100	100	100	7.0	100	100	100	100
68.00	100	0.0	0.0	0.0	100	100	100	100	100	6.6	100	100	100	100
69.00	100	0.0	0.0	0.0	100	100	100	100	100	6.2	100	100	100	100
70.00	100	0.0	0.0	0.0	100	100	100	100	100	5.8	100	100	100	100
71.00	100	0.0	0.0	0.0	100	100	100	100	100	5.4	100	100	100	100



DURATION CURVES

MIDDLE BRANCH WESTFIELD RIVER AT GOSS HEIGHTS
LOW YEAR, HIGH YEAR, AND PERIOD OF RECORD

INDEX OF PRECIPITATION RECORDS IN MASSACHUSETTS

[illegible]

INDEX OF PRECIPITATION RECORDS IN MASSACHUSETTS--Continued

[illegible]

INDEX OF PRECIPITATION RECORDS IN MASSACHUSETTS--Continued

[illegible]

HYDROLOGY OF MASSACHUSETTS

ACUSHNET, MASS. (New Bedford Water Works.)
Lat. 41°45'40", Long. 70°54'00". Elevation, 50 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1878	-	-	-	8.03	5.75	6.71	6.13	3.29	2.66	2.89	3.60	1.50	-
1879	6.88	7.96	6.77	3.31	2.57	6.27	7.13	2.25	4.34	4.89	5.74	2.86	62.97
1880	1.02	4.44	4.63	2.02	3.13	5.12	5.79	1.32	1.94	4.96	7.91	2.27	49.05
1881	3.67	3.49	3.28	5.82	7.48	7.21	2.16	3.17	8.92	1.80	1.28	5.24	53.72
1882	.75	6.51	2.98	3.80	6.40	3.99	5.05	4.55	3.48	3.02	1.36	7.73	49.67
1883	4.39	2.58	3.70	5.92	4.44	1.62	2.80	3.70	2.14	4.97	.70	2.68	39.65
1884	8.05	3.82	3.55	5.55	6.68	5.53	6.03	3.20	2.45	4.67	8.17	.96	60.66
1885	2.47	4.84	8.05	6.14	4.03	1.38	2.13	3.63	3.61	2.54	3.48	1.49	43.79
1886	6.14	2.23	4.78	6.20	8.86	4.87	2.44	3.99	1.38	2.87	3.50	2.15	49.41
1887	4.58	5.06	7.47	5.71	5.80	5.65	4.85	2.82	3.51	2.68	3.22	1.01	52.36
1888	4.56	3.19	4.92	5.50	3.57	5.98	2.38	6.26	1.58	5.67	4.28	10.35	58.24
1889	5.98	11.47	5.00	7.42	2.69	4.21	5.51	5.17	3.03	5.17	6.82	3.68	64.05
1890	6.10	8.77	2.71	3.07	3.16	6.11	4.12	8.00	5.01	3.07	4.52	7.83	62.47
1891	10.66	1.52	5.47	10.08	7.16	7.34	3.80	2.04	1.80	2.73	2.32	2.10	57.02
1892	8.73	4.07	5.02	5.89	2.49	5.41	2.29	6.14	2.29	2.03	6.00	3.56	53.92
1893	2.24	7.67	1.27	2.83	8.13	6.06	6.17	5.78	3.59	1.71	4.69	3.18	53.32
1894	4.10	3.98	6.59	5.46	5.10	1.91	4.54	5.02	1.83	2.04	1.50	3.12	45.19
1895	9.44	5.08	6.19	3.58	.69	3.67	4.22	4.64	2.56	3.23	2.92	1.40	47.62
1896	6.04	4.07	2.88	2.35	3.76	6.33	1.07	3.55	5.83	4.38	3.30	8.05	51.61
1897	3.57	3.67	3.67	3.82	2.82	3.11	3.75	6.70	3.31	4.45	8.23	.81	47.69
1898	1.56	7.43	3.51	5.09	7.08	3.75	5.59	6.04	1.13	6.54	7.08	1.64	56.82
1899	9.66	9.40	2.24	5.93	5.31	7.81	1.64	1.65	3.53	3.27	1.78	6.99	59.51
1900	1.62	2.40	1.89	3.24	5.49	4.03	2.42	5.27	.84	2.75	1.76	3.26	34.97
1901	5.90	2.82	4.21	2.44	1.02	7.68	7.82	8.27	1.68	1.84	2.87	2.61	49.16
1902	3.02	2.06	9.71	1.85	4.27	6.34	4.13	1.14	2.83	.50	.82	3.92	40.59
1903	4.91	1.64	6.62	4.52	4.28	9.11	5.71	1.24	4.70	2.72	4.11	1.08	50.68
1904	4.18	3.05	2.91	4.27	3.38	1.74	9.60	3.24	4.00	2.10	4.71	1.90	45.04
1905	1.58	.92	3.36	1.80	2.12	2.63	1.55	1.07	6.38	1.72	2.72	7.65	33.30
1906	1.74	2.56	4.91	3.65	4.62	7.84	2.59	5.35	3.02	4.71	2.10	3.98	47.07
1907	5.92	2.38	3.99	2.77	1.95	2.05	2.28	2.69	1.05	1.01	.91	9.31	34.79
1908	1.97	6.86	8.27	2.92	3.16	4.19	2.02	2.66	.14	1.36	4.27	1.05	38.87
1909	8.54	1.08	3.96	2.80	6.05	4.78	6.02	3.48	1.94	.35	3.16	4.38	46.54
1910	1.21	5.50	3.10	3.82	4.51	2.29	1.98	3.61	1.15	2.12	2.57	1.32	35.18
1911	2.17	4.22	3.00	3.47	2.44	3.36	3.85	1.06	1.73	5.03	4.00	2.37	36.70
1912	2.48	6.87	3.96	3.86	4.05	8.29	3.63	4.18	.10	.94	4.92	2.23	45.51
1913	.93	3.55	6.92	4.98	4.10	3.14	5.01	1.70	.75	1.83	5.09	2.66	40.86
1914	10.50	2.66	4.56	3.81	2.90	4.45	5.05	3.19	.90	4.72	2.52	.90	46.16
1915	2.90	3.21	4.82	11.93	5.71	.06	2.75	2.86	1.44	2.55	7.96	1.96	48.15
1916	3.24	2.00	5.82	2.05	5.65	5.64	4.80	5.28	4.50	11.79	1.96	1.93	54.66
1917	3.28	3.18	3.14	2.96	2.83	6.78	2.50	5.39	4.39	1.02	4.04	2.56	42.07
1918	4.41	.14	2.29	3.56	2.68	1.74	4.26	1.70	3.42	2.48	1.73	4.09	32.60
1919	.94	2.67	4.84	5.20	3.97	4.45	3.58	4.83	2.85	4.93	7.34	4.64	50.44
1920	2.21	4.62	2.56	3.31	3.51	3.45	4.62	5.29	7.65	2.06	2.98	1.32	43.58
1921	1.57	4.49	2.33	2.17	2.41	3.54	4.39	3.51	1.26	9.21	2.13	1.14	38.15
1922	1.82	6.57	2.77	1.30	3.50	3.53	2.95	4.29	6.24	4.57	9.65	1.77	49.06
1923	3.62	.94	3.79	3.00	2.38	3.94	3.70	1.11	3.79	1.65	1.87	2.92	32.71
1924	3.51	2.11	6.84	4.22	4.50	3.39	4.97	3.64	1.78	1.00	8.46	2.87	47.29
1925	.16	1.98	2.77	3.24	2.24	3.74	1.96	2.79	3.37	3.76	1.15	4.29	31.25
1926	4.61	3.90	3.18	*2.07	*1.14	3.24	2.23	2.90	2.62	2.22	3.66	1.13	33.10
1927	8.02	4.94	3.81	3.26	3.68	1.71	1.57	2.15	2.74	5.25	10.27	3.10	50.50
1928	3.61	4.81	5.79	3.40	2.81	4.05	4.29	1.95	5.18	5.40	2.29	4.91	48.49
1929	1.74	2.37	3.25	3.25	3.82	3.99	4.53	7.60	3.15	1.26	2.26	5.84	43.06
1930	3.88	2.87	3.17	4.09	4.25	2.31	1.35	3.09	3.60	2.64	1.56	.94	33.75
1931	4.62	4.77	3.07	4.15	2.78	7.11	3.47	5.99	6.73	3.90	6.28	1.61	54.48
1932	3.78	.99	4.08	6.97	2.81	5.93	1.56	2.06	2.29	2.28	5.02	6.53	44.30
1933	6.58	7.93	2.69	3.27	4.91	7.84	6.37	2.35	1.54	2.62	3.49	11.27	62.35
1934	4.11	3.68	4.11	3.77	4.16	4.89	4.19	3.39	4.62	.76	2.74	2.43	42.84
1935	4.64	3.47	4.11	6.86	3.51	2.33	5.74	2.12	4.34	3.14	1.22	4.86	46.34
1936	2.26	1.93	2.08	7.34	3.17	6.95	3.87	1.34	3.74	2.62	4.70	8.43	58.48
1937	2.25	1.43	11.06	4.60	1.77	4.00	6.33	3.00	3.87	.55	3.48	5.01	47.35
1938	4.31	5.83	4.89	4.36	3.09	3.38	3.10	4.15	9.30	2.85	3.66	5.89	54.81
1939	3.74	3.96	4.01	3.77	5.54	7.32	6.20	2.12	4.39	.96	5.07	3.14	50.22
1940	4.59	1.83	2.43	2.71	7.26	4.86	8.15	4.29	1.69	4.54	1.37	4.50	48.22
1941	2.21	7.22	2.86	4.56	2.63	3.47	2.29	3.17	6.28	4.50	3.95	.26	43.40
1942	2.42	2.39	3.88	4.84	3.85	8.62	1.03	1.66	2.23	2.29	7.75	2.86	43.82
1943	6.26	6.34	4.72	5.33	2.29	3.96	3.67	3.81	1.59	2.50	2.63	2.04	45.14
1944	3.66	2.56	1.53	3.03	2.35	5.70	4.72	.64	2.86	.52	1.55	5.25	34.37
1945	2.26	9.42	4.10	4.49	5.57	2.62	2.59	4.26	3.96	1.77	2.60	1.41	45.05

ADAMS, MASS. (b)
Lat. 42°39', Long. 73°06'. Elevation, 750 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	-	-	-	1.59	3.12	2.87	3.32	1.28	3.43	3.51	3.37	2.42	-
1927	5.12	4.36	1.86	2.51	2.53	2.84	1.55	4.09	2.75	6.64	3.82	2.01	60.40
1928	5.00	10.90	5.57	3.32	3.24	1.56	4.68	4.03	5.66	6.95	7.07	2.42	40.08
1929	1.10	1.54	1.87	2.62	2.91	5.01	7.98	3.44	4.10	1.79	2.11	2.26	36.73
1930	2.47	2.71	3.15	1.99	1.49	5.00	1.45	5.76	2.84	4.98	2.24	2.13	34.21
1931	1.73	3.02	1.05	2.07	1.20	1.47	2.90	4.42	4.59	4.56	3.81	4.05	34.87
1932	2.28	1.72	4.90	7.34	2.46	2.08	3.80	2.83	1.85	4.23	3.68	2.42	40.39
1933	3.73	5.79	1.67	3.48	3.14	4.01	6.10	1.65	2.69	2.55	6.67	5.97	47.45
1934	3.48	1.61	3.35	3.31	1.26	2.59	5.53	3.70	7.41	4.53	3.10	6.41	46.28
1935	2.24	4.50	4.45	4.54	2.60	2.62	2.34	2.91	5.75	6.16	1.44	4.50	44.05

PRECIPITATION RECORDS

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ADAMS, MASS. (b)---Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	1.07	5.50	1.24	5.25	1.69	8.41	4.07	3.44	1.80	2.08	6.64	2.05	43.04
1937	3.65	2.52	5.11	5.06	3.43	3.30	4.00	5.13	4.66	2.54	3.14	6.62	49.18
1938	5.31	4.40	2.05	3.76	2.19	2.17	3.25	4.35	5.78	7.92	2.76	8.32	52.28
1939	1.82	2.84	3.66	2.0	2.60	3.23	6.14	1.56	3.94	2.30	3.85	3.43	37.47
1940	4.68	1.90	2.53	1.59	2.73	5.51	5.35	4.72	5.09	3.98	1.17	6.05	45.30
1941	.94	5.14	4.62	1.79	1.66	1.56	.90	3.98	4.82	6.45	2.10	3.56	37.77
1942	3.76	2.06	5.22	1.80	1.77	4.55	2.41	4.87	4.45	7.50	1.42	4.63	44.26
1943	2.83	7.59	5.16	2.53	1.88	2.67	4.52	7.60	3.36	6.21	5.62	.94	53.13
1944	4.68	6.47	.68	1.37	2.35	4.19	4.83	1.71	4.70	6.78	2.19	6.68	46.61
1945	2.23	3.47	3.43	3.30	3.99	1.69	7.70	5.81	7.97	8.58	2.26	3.32	53.77

AGAWAM, MASS. (Provin Mt. Res., Springfield Water Works.)
Lat. 42°05'40", Long. 72°42'00", Elevation, 410 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	-	-	-	3.19	4.09	4.99	4.90	3.65	2.35	3.06	2.68	0.31	-
1915	2.41	3.86	3.39	6.56	4.82	.17	3.04	1.82	2.79	6.45	8.06	3.41	46.80
1916	2.55	3.49	6.67	1.52	6.12	3.04	3.26	3.83	4.40	5.06	2.62	4.36	46.92
1917	1.33	3.62	3.42	4.16	3.57	4.21	2.54	4.47	4.80	5.52	4.50	.64	42.56
1918	7.95	.91	3.37	2.29	3.28	2.10	2.64	2.32	3.69	1.81	4.11	6.21	40.68
1919	1.12	2.15	3.57	2.19	4.59	5.10	2.67	6.78	1.47	4.21	2.72	5.57	42.34
1920	2.06	6.69	2.23	2.43	3.46	4.36	6.12	3.09	7.85	2.97	5.42	8.78	55.46
1921	.82	6.53	6.78	2.94	3.16	4.29	4.33	2.45	3.62	6.12	2.98	2.30	46.32
1922	1.44	6.41	2.56	1.63	2.95	6.19	1.75	5.40	7.45	9.58	3.51	2.50	51.35
1923	3.72	1.25	4.15	7.41	2.66	2.41	4.41	2.80	3.91	2.12	2.40	1.92	39.16
1924	7.02	3.80	4.39	3.99	2.00	1.14	7.38	3.36	1.79	2.08	2.84	4.26	44.07
1925	.11	2.64	1.83	3.38	3.19	5.05	3.10	2.25	3.80	5.46	.96	3.07	54.64
1926	4.23	3.01	3.05	2.61	6.06	3.66	2.44	2.01	1.34	5.00	3.74	1.81	38.96
1927	5.79	5.61	3.02	2.96	3.06	1.72	1.89	4.39	4.31	6.26	6.11	2.13	47.25
1928	5.32	7.63	5.14	3.14	4.13	2.73	5.09	2.76	5.74	6.32	9.43	3.08	60.51
1929	.74	2.29	2.10	5.06	4.77	3.77	7.14	4.84	1.26	.57	1.97	2.49	37.00
1930	4.12	3.15	4.03	2.50	1.63	4.34	1.99	4.69	6.72	6.15	1.70	1.51	42.35
1931	1.92	4.10	2.54	3.86	2.21	4.15	2.81	7.27	5.22	4.88	4.63	1.11	44.70
1932	2.43	1.36	3.56	4.90	2.54	3.76	1.72	1.89	7.09	5.24	3.34	3.40	41.23
1933	5.99	7.55	1.66	2.14	4.10	6.29	4.49	2.19	1.59	2.40	7.06	7.62	53.08
1934	2.92	.97	3.70	4.27	4.71	4.49	4.52	4.89	5.17	3.10	4.60	11.87	55.21
1935	2.65	3.95	3.44	5.06	3.08	2.09	1.80	2.44	5.23	4.03	.91	4.68	39.34
1936	.66	3.67	1.12	6.49	2.77	7.92	4.30	2.92	2.99	1.50	4.27	4.29	42.90
1937	2.67	1.73	6.71	5.26	2.33	3.45	4.60	4.14	6.15	2.46	4.75	3.64	47.91
1938	5.00	6.09	2.90	5.41	2.22	2.39	2.67	4.01	6.02	9.05	2.62	10.20	60.76
1939	3.01	3.38	4.17	2.64	4.29	4.35	4.36	.93	2.90	9.99	5.10	2.45	38.57
1940	4.12	1.27	3.26	3.45	3.42	4.95	5.57	6.32	3.64	2.14	1.65	3.06	43.05
1941	1.34	6.37	2.63	2.23	3.12	2.30	1.07	2.58	4.18	5.49	3.71	.87	35.89
1942	1.69	3.51	4.11	4.16	2.33	6.75	.78	4.42	5.19	6.45	2.73	4.55	46.67
1943	4.80	5.70	6.65	5.04	2.17	3.71	3.61	5.23	3.60	6.29	.72	1.35	46.36
1944	5.56	4.80	.89	1.43	2.77	5.09	5.06	.94	5.11	2.28	1.54	6.40	41.34
1945	1.94	5.01	3.61	3.96	4.70	2.78	4.39	7.44	6.41	7.00	4.42	2.41	54.07

AMHERST, MASS. (b)
Lat. 42°23'30", Long. 72°31'50", Elevation, 254 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1836	-	-	-	4.21	3.63	3.13	1.98	2.59	3.45	6.02	0.96	2.28	-
1837	3.02	3.49	5.80	1.75	2.42	2.65	4.35	5.76	4.49	7.35	2.37	1.07	44.70
1838	2.06	1.90	2.35	2.45	1.67	1.69	2.02	3.63	4.90	2.27	3.95	6.38	35.27
1839	4.12	5.77	.96	1.66	1.75	1.69	4.14	3.49	3.30	9.56	2.51	2.62	41.77
1840	1.78	3.04	7.09	3.15	2.03	3.18	3.98	1.91	4.60	3.34	6.82	5.20	46.12
1841	5.04	4.61	3.15	5.80	1.50	2.85	4.52	3.47	1.65	2.55	3.18	3.50	41.82
1842	3.73	2.60	6.08	1.02	3.78	2.39	2.92	2.40	3.18	1.95	7.42	3.23	40.90
1843	2.64	3.73	3.19	1.99	3.49	5.73	4.62	2.09	5.15	2.53	9.38	1.57	46.54
1844	9.45	3.07	2.26	3.44	2.18	4.12	.57	5.59	3.00	3.81	4.93	1.84	44.28
1845	6.49	2.12	2.49	4.97	3.37	3.56	1.70	2.42	2.57	3.31	2.79	2.58	38.37
1846	4.66	3.90	3.91	2.74	2.55	4.35	1.54	4.35	3.10	3.25	2.44	.47	37.24
1847	2.09	4.96	3.10	4.86	4.88	3.57	1.41	1.91	4.44	4.48	4.06	3.63	43.59
1848	3.99	4.17	6.41	2.92	2.60	3.03	1.55	6.18	2.58	4.72	1.53	2.49	42.17
1849	3.15	3.09	5.54	.99	.99	4.21	2.24	3.61	1.53	2.25	7.66	1.40	36.96
1850	6.36	3.65	3.36	4.75	3.56	1.86	3.93	8.72	2.88	6.61	6.50	4.93	57.31
1851	3.65	2.63	5.37	1.66	5.08	1.28	4.43	4.07	3.69	4.31	3.03	2.05	41.25
1852	5.43	5.30	3.17	2.42	3.25	3.26	4.71	2.30	2.54	3.36	5.19	2.46	43.53
1853	1.76	6.43	4.68	2.11	6.69	2.39	3.79	5.40	2.64	3.59	7.13	5.66	52.47
1854	3.75	6.24	1.64	2.01	4.53	3.11	8.33	3.19	1.75	3.53	.99	5.46	44.73
1855	2.31	7.46	2.39	5.06	2.70	1.08	3.85	1.49	5.19	6.10	2.55	.55	40.75
1856	10.08	4.12	5.41	2.48	.79	1.12	2.51	5.31	1.92	1.96	12.13	3.47	51.50
1857	1.40	2.85	4.19	3.55	2.41	2.12	7.69	6.82	2.66	4.96	3.14	3.04	44.84
1858	3.98	2.07	5.31	3.52	1.60	.80	3.20	2.96	4.62	7.73	4.82	4.14	45.67
1859	3.86	2.16	3.16	4.89	3.54	6.27	2.96	4.08	6.16	2.61	6.65	4.47	50.81
1860	1.85	2.96	4.85	1.21	2.93	1.58	1.28	4.57	3.57	6.13	2.98	6.12	39.73
1861	2.13	3.52	3.84	4.34	3.28	3.76	5.65	4.45	2.69	5.23	4.10	2.75	45.79
1862	4.53	3.93	2.17	5.25	2.94	4.30	2.28	2.33	11.69	5.12	2.98	2.12	49.54
1863	3.28	4.76	1.91	5.05	4.43	5.60	2.33	3.59	4.09	8.64	6.11	2.16	51.95
1864	4.04	5.28	4.87	2.20	1.12	2.58	2.57	2.54	1.38	.96	4.40	2.92	34.86
1865	2.94	6.20	4.63	3.48	2.88	5.96	2.90	7.89	2.94	3.72	1.86	.37	45.79

HYDROLOGY OF MASSACHUSETTS

AMHERST, MASS. (b)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1866	4.98	2.45	3.54	1.36	4.62	3.16	2.03	4.48	5.66	4.00	3.96	4.71	44.97
1867	3.38	3.86	3.57	1.32	3.65	3.12	3.79	4.61	5.67	4.02	9.16	1.11	47.24
1868	3.85	4.31	1.51	3.52	1.03	3.25	4.27	7.86	2.44	3.28	5.67	10.63	51.62
1869	1.37	4.80	1.47	3.47	4.14	5.46	1.53	5.65	5.99	2.98	1.04	4.32	42.22
1870	11.36	2.59	4.96	5.87	5.25	2.71	3.70	1.72	2.78	2.58	2.68	1.75	46.00
1871	4.49	3.28	1.84	1.96	2.91	3.99	3.09	3.82	6.58	3.52	6.45	1.20	43.23
1872	6.09	3.51	2.87	1.51	1.89	2.87	2.20	3.11	3.25	7.07	5.28	6.20	45.65
1873	3.64	4.48	2.69	5.01	2.17	3.13	1.74	3.91	1.59	2.93	3.47	4.77	39.53
1874	6.36	3.51	3.31	5.46	2.19	1.35	6.03	5.22	5.06	11.58	2.69	1.82	54.58
1875	1.85	3.54	1.17	2.90	3.62	4.20	3.33	2.19	2.89	8.15	6.17	4.65	44.66
1876	3.89	3.97	1.03	2.31	5.53	7.14	3.11	3.96	3.87	4.84	.27	3.71	43.63
1877	1.12	2.49	3.22	2.52	.36	6.96	2.45	1.93	4.59	6.47	2.79	.91	35.82
1878	6.99	5.44	1.02	3.58	3.67	2.57	5.85	2.86	6.00	2.16	6.97	2.82	49.43
1879	2.05	5.34	6.02	1.75	3.49	4.98	3.85	3.32	5.37	5.75	5.89	2.59	50.40
1880	1.80	2.35	4.85	4.56	3.80	2.68	2.64	1.90	1.40	6.54	2.91	2.69	37.74
1881	2.27	2.50	2.29	4.01	1.77	4.86	1.65	4.28	3.95	1.50	2.76	2.37	34.21
1882	4.24	4.58	6.15	5.44	4.23	5.20	1.52	6.50	2.25	1.83	.25	11.85	54.04
1883	1.67	1.33	1.47	3.24	4.03	1.70	2.18	6.20	3.99	3.69	1.57	3.17	34.24
1884	4.21	1.80	2.99	3.60	4.62	5.67	2.48	2.02	1.38	3.75	5.10	1.25	38.97
1885	2.40	2.53	5.58	3.78	3.68	.86	3.38	3.08	3.49	2.07	8.21	.85	40.21
1886	3.65	5.54	3.54	5.39	3.94	3.31	1.73	3.10	2.33	3.82	2.60	5.48	44.43
1887	2.97	5.25	3.61	4.57	5.05	4.05	2.98	1.13	5.09	8.93	7.75	1.22	52.60
1888	2.10	3.35	4.11	3.87	3.94	5.96	3.08	4.29	5.40	3.63	4.29	10.70	54.72
1889	5.19	3.91	3.78	5.29	1.45	1.46	2.42	4.71	5.01	9.09	2.72	3.17	46.20
1890	4.58	6.04	3.57	2.61	4.19	5.37	1.73	5.39	1.53	5.63	4.88	5.85	51.87
1891	7.13	1.32	2.86	6.75	4.23	2.99	2.66	1.97	4.75	5.28	4.18	2.66	46.78
1892	2.94	2.99	5.40	5.85	1.90	2.40	.76	6.28	3.46	4.41	6.47	2.16	45.02
1893	.66	4.98	1.01	3.23	5.75	3.66	4.41	5.02	3.32	2.59	3.49	2.82	41.04
1894	4.88	2.81	4.86	2.16	1.74	1.77	1.83	4.00	3.13	1.55	.21	4.63	33.67
1895	4.85	3.14	3.53	3.87	1.05	2.71	5.56	2.07	2.76	3.87	3.46	5.04	41.91
1896	4.77	5.36	3.94	1.07	4.67	6.11	1.32	2.58	2.57	4.96	3.84	5.41	46.60
1897	3.23	3.03	.87	3.00	2.52	3.53	2.42	4.38	6.85	14.51	4.29	1.84	50.37
1898	.73	5.85	7.25	7.15	3.80	1.63	3.73	5.61	3.89	4.38	3.85	54.01	54.01
1899	6.27	5.48	2.30	2.80	3.56	7.13	1.79	1.28	4.13	4.89	2.00	7.90	49.53
1900	1.84	2.17	2.00	4.08	8.12	5.76	1.85	3.78	3.65	4.67	4.11	3.67	45.70
1901	3.72	5.87	2.40	1.81	.62	5.66	5.95	6.86	.87	3.86	6.14	4.17	47.93
1902	3.88	2.08	7.77	1.72	3.54	5.29	3.31	2.32	4.54	4.66	4.65	5.83	49.59
1903	5.59	1.27	4.27	3.28	4.27	6.40	2.30	.48	7.79	4.64	4.92	1.66	46.87
1904	2.72	2.04	3.95	4.74	2.45	4.48	5.73	4.55	5.35	2.62	4.09	5.45	48.17
1905	1.74	1.35	2.75	3.90	1.70	3.66	2.56	1.28	2.86	2.65	6.47	6.26	37.16
1906	2.27	2.06	3.15	2.18	2.73	4.90	3.25	4.95	2.82	3.65	6.42	2.59	40.77
1907	5.69	1.98	4.49	2.73	1.92	1.82	1.98	4.02	2.61	3.87	1.44	8.74	41.29
1908	5.00	4.50	3.89	2.25	3.53	2.86	1.97	4.35	.76	3.28	4.27	1.73	38.39
1909	1.57	1.06	3.05	3.58	5.16	3.01	5.53	3.36	2.24	2.24	3.79	4.99	39.56
1910	1.23	1.06	2.95	6.14	5.08	1.37	3.07	2.67	2.65	1.90	4.03	2.86	35.01
1911	.93	3.69	1.72	2.36	2.18	3.80	1.87	1.37	2.02	4.21	5.92	3.41	33.48
1912	8.81	3.84	4.42	2.18	3.16	5.70	3.92	4.34	.77	2.61	3.22	2.52	45.49
1913	2.07	4.03	4.04	3.98	2.94	6.38	3.30	4.94	.90	1.59	2.26	2.56	38.99
1914	5.16	2.11	3.38	3.72	3.36	5.52	6.59	3.56	2.32	3.53	5.11	.52	44.88
1915	2.09	2.62	2.89	6.52	7.02	.12	3.99	1.20	3.00	9.13	8.28	1.37	48.23
1916	2.89	2.20	5.86	2.58	5.27	3.97	3.69	3.21	5.24	6.85	2.49	5.08	49.31
1917	1.01	3.29	2.85	3.64	1.96	4.08	1.83	4.13	5.27	3.36	7.06	2.42	40.92
1918	6.60	.63	2.56	4.11	2.99	2.91	2.78	2.47	4.01	1.84	2.22	7.00	40.12
1919	1.32	2.87	2.95	2.02	2.80	4.22	2.37	6.20	1.09	4.17	4.81	4.45	39.27
1920	1.81	6.20	1.48	2.74	4.45	3.63	4.71	3.65	6.26	2.06	3.62	6.74	47.35
1921	1.54	5.62	6.02	2.00	2.58	3.57	6.47	4.56	3.87	6.00	2.35	1.84	46.22
1922	1.08	6.20	1.90	1.56	3.02	5.24	2.81	5.47	9.68	4.28	4.25	2.27	47.86
1923	2.35	1.56	3.15	6.02	1.81	1.98	3.19	3.26	2.24	1.77	2.55	1.89	31.97
1924	5.50	5.05	4.23	3.85	2.58	1.05	4.54	2.21	1.28	1.75	3.11	5.87	41.00
1925	.01	2.57	2.16	3.42	3.64	4.12	3.10	2.55	4.28	6.97	1.93	3.09	37.94
1926	4.74	3.23	3.56	3.23	5.01	3.95	3.62	1.19	2.03	3.24	3.97	1.50	39.27
1927	5.02	5.28	2.78	2.50	2.62	1.96	1.60	4.83	3.37	3.40	5.01	2.79	41.26
1928	4.59	5.64	5.65	2.19	2.90	1.17	4.16	3.25	6.97	6.23	6.40	3.07	57.22
1929	.87	1.88	.97	4.33	3.92	3.20	6.89	4.17	3.06	.70	1.54	3.62	35.15
1930	2.75	2.73	4.05	2.57	1.39	3.95	1.41	3.34	4.47	4.50	1.82	2.08	35.06
1931	2.24	3.42	1.63	3.56	1.80	3.79	2.95	7.44	4.24	3.87	6.57	2.50	44.03
1932	3.06	1.55	3.63	3.87	2.70	4.24	2.33	1.67	5.63	2.87	3.96		36.15
1933	3.69	6.05	1.99	2.44	3.58	4.79	5.03	1.69	3.68	2.25	6.63	12.84	54.16
1934	3.94	1.19	2.81	3.50	2.82	3.60	4.44	3.42	4.87	1.72	3.02	9.54	44.64
1935	2.35	3.46	2.99	4.96	2.50	1.48	2.54	2.17	5.50	3.10	.82	4.67	36.54
1936	.88	4.41	1.05	6.47	2.64	7.04	4.07	1.76	3.28	1.45	4.85	3.80	41.70
1937	4.80	2.02	5.96	5.38	2.23	3.38	4.03	6.09	5.72	2.88	4.91	3.24	50.64
1938	4.33	4.86	2.44	6.60	1.77	2.00	3.07	3.81	8.45	7.45	2.04	14.55	61.37
1939	2.49	2.82	3.95	2.21	3.62	4.49	4.56	2.15	3.21	2.30	3.99	2.97	38.66
1940	4.55	.98	3.89	2.63	2.72	5.58	6.37	5.67	2.46	4.89	1.56	1.53	42.63
1941	1.04	6.31	3.01	2.21	1.59	1.63	.55	2.87	6.13	4.04	1.79	2.88	34.05
1942	2.13	4.29	3.82	3.54	1.66	7.89	.96	2.98	3.63	4.95	2.93	3.94	42.72
1943	3.27	6.07	6.03	2.92	1.63	3.77	3.66	5.62	2.38	6.18	2.49	2.40	45.72
1944	3.88	4.64	.58	1.24	2.34	4.36	3.66	1.35	4.70	3.88	4.33	5.21	40.27
1945	1.74	4.21	2.18	3.07	3.33	2.16	5.43	6.45	7.67	7.36	2.79	3.57	49.96

PRECIPITATION RECORDS

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ASHBURNHAM, MASS. (b)
Lat. 42°39', Long. 71°53'.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	-	-	-	-	-	-	-	-	-	-	-	3.14	-
1943	2.87	5.65	5.18	2.64	1.57	2.58	3.49	6.77	2.26	4.31	1.97	1.00	40.31
1944	6.94	5.35	.76	1.61	2.20	4.32	3.89	1.41	10.93	3.86	.62	8.64	50.53
1945	1.82	3.16	4.22	3.47	4.24	1.61	4.68	5.38	6.79	4.49	2.58	1.84	44.28

ASHBY, MASS. (Watatic Pond, Fitchburg Water Works.) (a)
Lat. 42°40'50", Long. 71°52'30". Elevation, 1,000 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1915	-	-	-	5.42	3.51	0.06	2.36	1.90	1.44	10.81	7.62	1.44	-
1916	3.02	3.61	4.51	1.11	4.55	2.26	3.92	4.80	7.15	4.52	3.36	3.80	46.41
1917	1.67	3.29	2.70	2.32	2.44	3.85	1.89	4.33	6.43	3.23	5.16	1.08	38.39
1918	6.79	1.93	2.04	3.21	2.25	2.24	2.04	2.35	4.30	2.06	1.94	6.94	38.09
1919	.99	3.44	2.00	3.74	3.44	5.62	2.28	6.82	1.39	3.10	2.55	6.94	42.31
1920	2.95	7.54	1.77	2.15	4.27	3.88	6.33	3.71	5.10	2.53	3.72	7.15	51.10
1921	1.87	5.58	7.32	2.18	2.23	3.19	8.48	2.72	2.99	6.43	2.54	2.81	48.34
1922	2.56	6.98	2.48	1.57	1.67	4.50	1.56	6.27	9.92	6.58	5.61	2.34	51.84
1923	2.91	2.16	3.25	5.64	1.47	2.81	5.49	1.82	1.72	3.17	1.91	1.47	33.82
1924	5.73	6.21	5.05	5.75	1.94	1.07	7.43	5.27	2.65	2.78	3.80	4.93	50.54
1925	T	3.67	1.91	2.58	3.14	5.60	3.06	3.03	4.25	3.09	2.42	3.26	36.01
1926	5.00	5.46	5.06	1.69	2.97	2.73	3.13	2.02	3.06	3.31	1.57	1.70	37.90
1927	5.84	6.02	3.08	2.24	2.72	1.71	1.33	3.74	2.16	4.00	6.42	4.80	44.06
1928	4.08	8.06	6.47	3.01	2.96	1.20	4.82	3.62	9.15	6.23	7.34	4.01	60.95
1929	1.36	3.05	1.85	1.85	4.87	3.63	6.14	4.91	4.12	2.60	1.97	1.86	38.21
1930	3.37	3.00	2.97	2.36	2.87	5.32	3.08	4.81	4.11	5.55	2.03	2.28	41.55
1931	3.66	4.29	1.68	2.74	2.46	5.20	3.68	5.24	7.63	1.60	5.89	3.06	47.13
1932	3.68	1.85	4.42	5.16	2.10	4.29	2.80	1.72	1.88	4.76	3.88	7.52	44.04
1933	10.37	5.90	1.37	2.80	2.41	6.49	6.91	2.14	1.54	2.56	7.09	9.00	56.58
1934	4.62	1.59	3.64	4.14	3.49	4.16	5.51	3.66	6.61	3.52	2.19	11.30	54.43
1935	2.63	4.02	3.67	6.84	2.97	2.12	3.19	2.49	8.09	3.33	2.01	6.44	47.80
1936	.85	4.90	1.75	7.61	2.99	13.33	4.78	2.46	5.01	3.05	6.00	1.95	54.68
1937	6.56	2.36	8.51	6.05	2.49	3.26	5.90	4.80	6.17	2.41	3.94	3.33	55.78
1938	4.94	10.88	3.91	4.98	2.34	2.26	3.13	4.50	8.20	10.23	4.78	14.61	74.76
1939	2.78	3.93	4.30	3.16	5.08	4.53	5.41	1.42	2.27	1.48	4.67	1.47	40.50
1940	4.30	1.07	4.07	3.10	4.67	4.61	6.20	7.06	2.86	4.02	3.53	3.29	48.78
1941	1.16	7.35	4.06	3.33	3.68	1.83	1.12	4.14	4.84	2.93	3.92	.56	39.12
1942	3.02	3.59	3.50	3.70	1.59	7.32	1.75	3.01	5.41	6.24	2.56	3.93	46.62
1943	3.64	5.69	5.17	3.66	2.54	2.70	4.38	9.17	1.62	3.02	2.76	1.68	45.23
1944	7.37	6.25	.77	1.95	2.43	5.35	4.74	1.52	11.40	3.16	.91	8.76	54.67
1945	2.10	3.84	3.97	3.63	4.11	1.82	5.52	5.93	7.23	4.33	2.80	2.74	48.02

ASHLAND, MASS. (Ashland Reservoir) (c)
Lat. 42°14'50", Long. 71°27'55". Elevation, 250 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1890	-	-	-	2.52	3.41	7.74	2.66	5.48	2.09	2.55	4.01	5.49	-
1891	10.76	1.15	5.42	7.12	5.35	6.32	4.05	1.85	4.17	3.72	4.23	2.41	56.55
1892	3.96	3.14	3.61	5.70	3.08	4.11	.81	5.60	2.77	4.24	4.40	3.09	44.51
1893	1.06	5.79	1.11	2.92	8.24	3.66	3.82	6.28	2.29	2.23	5.45	1.67	44.52
1894	4.05	2.16	4.78	3.95	3.91	1.46	3.55	4.10	1.20	2.69	2.12	2.49	36.46
1895	5.49	3.42	4.81	4.24	1.84	3.01	5.12	2.10	2.51	4.91	4.30	2.41	46.46
1896	8.93	7.67	3.50	2.30	7.02	6.10	1.29	2.32	3.30	2.88	2.05	8.05	55.41
1897	3.69	3.12	2.08	3.87	2.97	3.89	2.79	4.28	4.47	5.55	4.07	3.36	44.14
1898	.53	6.36	5.35	7.11	4.70	2.40	4.59	3.40	2.25	4.65	7.54	2.81	51.69
1899	6.72	6.64	3.28	4.29	4.99	7.15	1.82	1.72	2.34	3.17	1.49	4.13	47.74
1900	2.84	1.96	1.69	4.94	9.12	6.17	2.43	4.06	3.27	2.50	2.45	3.31	46.74
1901	3.65	5.97	2.81	1.97	1.74	6.73	8.34	6.72	1.59	6.37	4.82	3.62	54.13
1902	2.62	2.91	10.30	2.54	6.34	4.72	3.79	1.62	3.25	3.05	2.79	3.99	47.72
1903	4.32	1.45	6.32	3.93	4.02	6.58	2.91	.67	8.05	2.86	3.69	1.46	46.14
1904	4.78	1.62	3.19	4.63	3.06	2.76	8.99	2.70	2.27	1.57	3.81	6.08	45.46
1905	1.69	1.73	3.11	5.28	2.00	3.10	2.48	1.46	4.46	4.96	2.70	6.97	39.94
1906	1.52	2.06	3.94	2.46	2.94	6.45	2.77	5.67	3.76	3.47	3.24	3.42	41.70
1907	3.51	2.64	4.53	3.16	2.13	1.86	3.39	3.53	2.91	2.03	1.05	8.07	38.81
1908	4.07	6.05	4.58	3.43	4.60	3.84	1.81	5.94	.90	3.48	4.30	.89	43.89
1909	2.53	.90	3.07	3.98	5.75	4.30	3.98	2.34	3.21	1.24	2.74	4.59	38.63
1910	1.13	3.38	4.01	5.45	4.95	.91	2.61	1.16	5.06	2.37	2.86	2.58	36.47
1911	1.71	4.04	2.64	2.80	2.74	3.57	2.96	1.05	2.37	2.98	5.15	2.67	34.68
1912	3.45	4.61	3.67	2.99	2.69	6.66	4.27	4.65	.49	3.84	2.34	1.56	41.47
1913	2.32	3.32	4.99	3.40	2.81	5.92	4.34	3.92	2.14	2.23	3.49	3.56	42.44
1914	5.31	2.65	3.14	3.58	4.06	4.45	6.59	3.10	1.66	2.99	4.00	.86	42.39
1915	1.60	2.38	3.24	6.63	3.44	.06	2.42	1.94	3.66	7.51	5.40	1.29	39.57
1916	2.74	2.65	4.67	1.54	5.60	4.58	4.06	3.28	4.74	4.94	1.77	1.50	42.07
1917	1.47	2.09	3.20	3.49	2.64	4.76	2.62	4.70	4.05	1.06	5.74	1.61	37.43
1918	5.51	1.26	2.66	3.30	3.35	2.54	4.34	1.28	3.26	4.28	1.55	8.70	42.03
1919	1.04	2.40	3.66	3.54	3.12	4.22	2.72	3.79	1.59	4.66	3.68	5.06	39.08
1920	2.13	5.11	1.85	3.17	6.47	3.99	5.01	3.32	5.67	2.33	2.29	3.29	44.63

ASHLAND, MASS. (Ashland Reservoir) (c)—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	1.20	5.23	4.74	2.90	3.95	2.78	5.23	2.70	3.38	6.14	1.32	1.83	41.40
1922	1.04	7.53	2.50	1.76	3.17	5.23	1.47	5.06	7.55	3.09	4.60	4.60	47.60
1923	2.30	1.31	3.53	7.76	2.30	3.32	5.30	.98	4.50	3.11	2.20	1.42	37.98
1924	5.67	5.59	4.83	3.42	2.51	2.67	5.12	3.08	1.47	2.54	5.09	5.33	47.32
1925	.12	2.26	1.72	4.43	2.01	5.50	2.63	2.27	4.16	6.36	1.03	3.49	35.98
1926	4.32	3.22	5.44	2.92	5.76	3.23	2.24	2.45	1.79	3.78	5.60	1.50	42.23
1927	5.02	5.67	4.03	2.95	3.92	1.39	2.15	2.55	1.70	3.13	8.63	4.26	45.40
1928	4.67	6.74	5.41	2.55	3.56	1.94	5.07	2.37	5.79	4.98	4.35	3.62	51.06
1929	3.34	2.07	2.65	3.87	3.82	2.97	7.03	3.58	2.11	.95	1.79	2.35	36.53
1930	2.62	2.97	3.96	2.57	2.54	3.93	1.99	2.72	1.62	4.25	1.60	.68	31.65
1931	4.43	4.27	2.41	3.63	2.44	5.52	2.99	3.83	8.30	1.76	4.29	1.26	45.13
1932	2.20	.91	3.15	4.79	2.23	5.30	2.23	1.48	2.99	1.85	5.84	10.02	42.89
1933	6.19	5.19	2.02	2.31	4.12	6.97	5.57	2.50	1.81	2.40	5.46	9.36	52.50
1934	3.00	1.17	3.95	3.71	4.40	4.52	3.47	3.45	4.56	3.21	2.13	8.54	46.09
1935	3.36	2.56	2.60	7.51	3.32	1.74	4.73	2.56	4.96	2.13	2.31	4.08	42.08
1936	.58	4.60	1.01	8.05	4.33	9.29	3.12	2.63	2.04	1.14	4.94	6.04	47.77
1937	1.68	1.65	8.53	4.52	2.32	3.54	4.59	3.37	4.69	1.26	3.93	3.08	43.16
1938	3.16	5.97	3.89	4.54	2.32	2.68	3.08	4.38	7.73	13.05	4.16	8.64	63.60
1939	1.99	2.95	3.44	2.39	4.22	4.45	4.53	1.57	3.47	3.20	4.59	1.84	38.64
1940	5.04	1.01	3.20	2.37	5.62	3.83	5.54	4.29	2.20	4.15	1.61	3.73	42.79
1941	1.28	7.01	2.71	3.67	2.30	2.43	1.27	2.39	4.61	4.68	2.68	.41	35.44
1942	1.63	2.68	3.32	3.48	3.85	7.43	1.60	2.46	2.86	7.60	2.43	1.71	41.05
1943	3.32	5.04	6.89	3.53	1.45	3.98	3.51	5.03	1.77	3.12	1.73	.80	42.17
1944	5.60	3.56	1.12	1.73	2.37	4.50	4.74	1.02	4.66	2.05	2.51	7.01	40.92
1945	2.23	6.27	3.37	3.17	5.24	2.23	3.00	5.07	6.60	2.19	3.81	1.51	44.69

ATHOL, MASS. (Fryville.) (a)
Lat. 42°37'55", Long. 72°12'30". Elevation, 620 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	-	-	-	-	-	-	-	-	-	6.67	3.01	3.30	-
1922	2.45	6.76	2.41	1.79	2.83	5.76	1.88	4.30	12.60	5.37	4.22	3.74	54.11
1923	2.35	1.84	3.55	6.07	1.93	2.43	4.70	1.93	1.90	3.56	3.18	2.03	35.47
1924	4.63	5.53	4.05	4.17	2.07	1.27	6.10	2.73	1.50	2.35	3.20	6.15	42.75
1925	.02	3.36	2.13	2.37	3.28	5.10	3.42	2.92	6.34	7.41	1.71	3.36	41.42
1926	3.81	3.78	2.23	2.91	3.78	3.76	2.32	1.32	2.80	4.73	2.53	1.48	35.43
1927	4.85	5.39	3.02	2.64	3.55	1.56	1.52	4.54	3.74	5.78	4.56	1.98	43.23
1928	5.00	8.83	5.87	2.54	2.88	1.88	5.05	2.67	7.32	7.91	9.24	4.13	63.12
1929	1.28	2.57	1.26	4.22	3.12	3.13	6.22	4.49	6.10	1.06	1.65	1.75	36.85
1930	1.86	2.34	3.46	2.19	1.61	3.81	1.27	2.74	3.32	6.49	1.77	2.05	32.91
1931	2.28	2.90	1.19	2.62	1.74	3.45	3.21	5.63	4.21	2.04	4.51	2.40	36.18
1932	5.32	1.39	3.86	4.24	2.37	4.35	2.17	2.23	1.81	4.26	3.58	4.98	40.56
1933	4.37	4.21	1.64	2.72	2.43	4.83	6.54	1.55	1.82	3.14	7.79	6.96	49.00
1934	4.41	1.67	3.46	2.98	2.65	3.40	3.85	3.71	4.71	3.42	2.78	7.66	44.70
1935	2.71	3.53	3.24	4.73	2.75	1.58	3.28	2.65	4.81	4.45	1.37	5.10	40.20
1936	1.02	3.56	.94	6.69	2.47	8.14	3.78	1.83	3.67	2.79	5.91	2.92	43.72
1937	3.22	1.75	6.38	5.58	1.80	3.40	4.12	4.37	7.51	3.19	6.30	4.93	52.55
1938	4.42	5.35	2.33	4.55	1.69	2.16	3.23	3.69	8.25	9.23	2.98	14.85	62.93
1939	1.82	2.98	3.60	2.73	2.86	3.36	4.36	1.14	2.33	2.36	4.54	1.94	34.02
1940	3.63	.75	3.25	1.79	3.49	4.83	5.47	5.33	3.92	3.66	2.49	2.13	40.74
1941	1.18	5.77	3.06	2.34	1.75	1.39	.80	1.97	3.94	6.57	3.64	1.00	33.41
1942	2.25	3.00	2.95	3.26	1.94	6.50	1.37	3.05	4.96	4.33	1.43	3.69	38.73
1943	3.46	3.90	4.80	2.00	1.37	2.52	3.34	6.06	2.12	4.61	1.76	2.62	38.56
1944	4.79	5.87	.59	1.48	1.21	4.41	3.46	1.06	8.72	3.88	.41	5.08	41.66
1945	2.12	3.04	2.70	3.09	3.74	2.17	5.01	5.70	5.92	6.82	2.41	3.02	45.74

ATHOL, MASS. (Water Works) (a)
Lat. 42°35'20", Long. 72°12'40". Elevation, 1,000 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	1.94	1.64	5.08	4.22	4.38	1.30	1.81	2.00	3.01	-
1913	1.94	2.38	4.31	2.67	6.61	2.95	3.89	.71	2.11	2.60	2.58	5.37	38.12
1914	2.31	2.21	3.34	3.26	2.10	3.85	4.71	2.76	2.26	2.12	4.71	.44	34.07
1915	1.80	2.52	1.96	4.64	1.25	.05	3.25	1.47	2.29	11.10	5.07	1.26	36.66
1916	2.72	1.98	5.28	1.35	4.26	3.14	2.51	3.14	4.66	7.15	3.53	7.23	46.95
1917	1.27	2.61	1.99	2.11	.80	3.51	1.41	3.87	3.89	2.70	3.35	.68	28.29
1918	5.19	1.08	4.00	.53	1.75	.42	3.09	2.47	5.05	2.44	2.58	7.32	35.92
1919	1.12	2.45	2.23	2.52	.84	2.98	2.22	5.97	.91	2.33	3.30	5.37	32.44
1920	2.37	4.64	.60	2.09	3.55	.26	3.30	3.46	4.97	1.59	6.27	2.66	35.56
1921	.93	2.66	6.27	1.95	1.25	3.73	6.93	2.76	3.90	7.48	2.91	3.27	44.14
1922	1.93	5.92	2.30	1.72	2.29	3.61	2.47	3.95	13.50	5.26	4.43	3.01	50.39
1923	3.16	1.65	3.07	4.18	.97	1.19	4.64	1.61	2.06	2.51	2.40	1.47	26.91
1924	4.82	5.42	3.55	4.95	1.15	1.05	4.60	2.54	2.61	2.71	3.26	5.07	41.73
1925	.04	2.96	1.89	1.56	1.97	4.92	3.28	3.17	4.94	7.98	2.46	4.06	28.23
1926	3.78	3.70	3.10	8.49	5.08	3.98	2.35	1.23	2.47	3.11	2.53	1.56	36.38
1927	5.75	5.51	3.28	2.79	4.22	1.92	1.46	4.48	3.52	6.89	5.29	2.11	48.11
1928	5.58	9.37	5.86	2.61	2.47	2.30	5.40	2.60	7.50	6.69	7.17	3.66	61.60
1929	1.91	2.16	1.21	4.81	3.54	3.97	6.90	4.02	5.99	1.41	1.51	2.00	39.43
1930	2.07	2.79	3.68	2.79	1.72	4.04	1.27	2.70	3.77	5.50	1.57	2.68	34.58

PRECIPITATION RECORDS

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ATHOL, MASS. (Water Works) (a) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	2.68	3.15	1.68	2.98	2.29	4.79	2.91	5.54	4.06	2.49	6.00	2.93	41.50
1932	3.64	1.70	4.08	4.79	2.58	5.90	2.12	2.04	1.73	5.97	3.65	5.84	44.02
1933	5.25	4.37	1.91	2.64	3.87	5.80	5.76	2.33	2.20	3.62	7.52	9.62	54.99
1934	5.27	1.69	3.97	5.58	2.69	3.34	3.73	3.59	5.49	3.60	2.95	8.35	48.25
1935	2.83	3.95	4.63	5.47	2.63	1.73	3.38	2.96	5.49	3.26	1.42	4.55	42.80
1936	1.30	4.40	1.04	6.94	3.43	8.81	4.21	2.83	3.33	2.53	6.83	4.02	49.77
1937	3.04	2.08	6.05	5.57	1.99	3.66	4.05	4.71	9.28	4.59	5.67	4.47	55.16
1938	4.71	5.73	2.26	5.51	1.99	2.09	3.03	3.41	8.08	7.81	4.44	15.86	64.12
1939	2.21	3.05	3.46	2.79	3.50	3.53	4.25	1.77	2.56	2.02	2.94	2.32	34.58
1940	4.13	.86	3.45	1.85	2.47	4.87	5.77	5.60	3.02	3.24	1.72	2.61	39.69
1941	1.30	6.50	3.15	2.31	1.74	1.37	.84	2.40	4.31	4.30	3.80	.93	32.75
1942	2.14	3.07	2.90	3.30	1.72	6.74	1.29	2.75	4.78	4.63	1.28	3.30	37.90
1943	3.63	4.60	4.57	2.26	1.44	2.63	3.75	6.21	2.16	5.37	2.67	2.29	41.58
1944	5.58	6.19	.57	1.40	1.98	4.29	3.57	1.32	8.95	4.23	.54	5.85	44.47
1945	1.81	2.97	2.68	2.99	3.58	2.03	5.38	6.25	7.14	6.56	2.43	3.81	47.63

ATTLEBORO, MASS. (Water Works Pumping Station.) (a)
Lat. 41°55'40", Long. 71°20'25". Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1896	-	-	-	1.92	6.17	4.75	0.98	2.12	3.78	1.73	2.84	8.75	-
1897	3.11	3.57	1.11	4.29	2.74	1.78	2.59	4.81	3.81	5.58	3.74	1.84	39.07
1898	.61	6.75	4.85	3.21	6.18	2.47	6.75	4.31	1.33	6.25	7.01	2.79	54.51
1899	7.57	5.77	2.07	5.61	4.47	8.03	2.01	2.01	3.55	4.60	2.05	10.21	57.95
1900	1.16	3.19	2.21	4.26	8.99	5.73	1.86	6.17	3.16	2.63	2.09	4.41	45.86
1901	3.25	4.44	2.92	1.88	.76	8.44	8.14	7.19	.60	3.51	2.35	4.29	47.77
1902	3.20	2.55	8.21	2.23	6.62	5.40	3.37	1.09	4.47	4.02	2.87	3.67	47.70
1903	4.83	1.67	6.06	4.80	6.17	8.27	3.71	.36	6.25	4.13	4.06	1.25	51.56
1904	3.23	1.65	3.16	5.09	3.72	3.15	9.80	2.20	1.28	1.66	4.13	7.04	46.11
1905	2.23	2.09	3.80	4.01	3.06	2.05	3.80	1.33	5.63	1.70	3.41	7.15	39.59
1906	2.23	1.95	5.49	3.40	3.42	5.45	2.69	5.76	2.69	7.37	3.19	4.36	48.00
1907	4.60	2.40	2.28	5.53	3.04	2.16	4.00	4.08	2.40	1.48	1.17	9.45	42.79
1910	1.60	6.65	4.48	4.85	3.86	1.63	2.79	3.25	3.90	2.43	3.63	1.95	41.02
1914	1.70	5.24	2.17	4.55	3.29	3.59	4.81	2.43	.30	3.46	2.47	1.68	34.69
1915	2.75	3.17	3.05	7.02	2.46	.07	1.22	1.89	2.16	9.34	5.67	.83	39.63
1916	1.66	2.61	5.23	1.41	4.71	1.40	3.28	5.28	4.83	7.63	2.19	1.19	41.42
1917	2.41	1.69	2.26	3.22	1.37	4.89	2.35	4.64	4.87	.87	5.68	2.09	36.34
1918	6.29	.62	2.04	3.55	2.96	1.94	5.33	.93	3.39	3.76	2.27	9.38	42.46
1919	.31	2.06	3.66	4.18	3.33	4.88	3.07	4.40	1.44	4.40	5.51	5.48	42.52
1920	1.58	4.22	2.27	2.63	4.89	4.31	5.13	4.31	5.72	2.00	2.73	1.61	41.40
1921	1.21	4.67	4.01	3.47	1.61	3.20	4.71	2.10	5.81	7.00	2.54	1.42	41.75
1922	1.16	7.31	2.85	1.36	2.81	5.35	1.69	4.61	9.16	6.25	6.34	2.68	51.57
1923	2.44	1.19	2.96	6.45	1.50	3.30	5.23	.90	4.05	2.48	1.80	.98	33.28
1924	4.22	3.74	4.91	4.32	3.58	2.11	5.87	2.49	1.83	1.73	6.97	7.93	49.70
1925	.12	1.81	1.93	3.72	2.08	4.97	2.67	1.77	1.59	5.23	1.59	3.94	31.42
1926	3.90	4.70	4.35	2.87	3.70	2.94	2.10	2.91	1.82	3.41	3.58	1.05	37.33
1927	5.32	5.47	2.86	2.51	2.31	.74	1.98	2.76	2.37	3.88	11.16	3.93	45.79
1928	4.82	4.12	4.65	2.17	3.63	2.28	4.40	1.96	3.96	5.23	2.23	4.66	44.11
1929	3.58	1.82	2.75	4.45	3.25	4.33	7.49	3.46	1.82	1.30	1.11	4.68	40.04
1930	2.44	2.99	4.51	3.24	2.56	3.40	1.97	3.57	2.67	2.94	1.61	.43	32.53
1931	4.58	4.08	2.23	3.39	2.28	4.72	3.15	5.53	7.99	4.44	7.15	1.47	51.01
1932	2.74	.97	2.93	4.96	1.73	6.17	1.73	1.57	1.90	2.84	6.28	7.72	41.54
1933	5.82	4.85	1.52	2.12	3.55	6.54	6.00	2.98	2.68	1.77	2.76	8.74	49.33
1934	3.22	1.12	3.66	3.89	3.30	4.25	4.06	3.62	3.88	1.56	3.07	4.60	40.23
1935	3.20	4.00	3.36	5.82	2.96	1.53	5.06	2.20	5.41	5.21	3.94	2.86	45.55
1936	.61	5.65	.80	7.07	3.81	7.26	4.16	1.97	2.60	4.21	3.09	6.96	48.19
1937	2.14	1.12	9.96	4.38	1.94	3.92	5.41	3.51	4.41	1.16	6.93	4.12	49.00
1938	3.76	6.70	3.61	3.92	1.91	1.41	1.40	4.38	8.50	9.59	2.19	5.99	53.26
1939	3.15	3.61	2.96	2.45	4.39	4.64	4.97	1.35	3.22	.54	6.28	2.57	40.13
1940	5.24	1.16	3.04	2.83	3.75	4.31	6.07	5.52	2.89	3.74	1.37	2.73	42.65
1941	1.79	6.70	2.14	3.03	1.96	2.14	1.65	2.21	3.79	4.44	2.82	.34	33.01
1942	1.47	2.66	2.95	3.82	3.33	7.89	.96	2.34	3.47	4.90	4.67	1.79	40.25
1943	3.75	4.65	5.26	3.06	1.50	3.26	3.68	4.07	2.16	3.04	2.23	1.26	37.92
1944	5.70	2.71	.98	2.06	2.30	4.38	4.55	.85	4.93	1.11	1.68	10.66	41.91
1945	3.21	6.41	3.41	3.12	4.02	2.47	2.83	4.62	5.81	2.86	3.04	3.21	45.01

BARNSTABLE, MASS. (Hyannis, Barnstable Water Co.) (a)
Lat. 41°40'35", Long. 70°16'50". Elevation, 31 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1892	-	-	-	4.16	2.14	6.14	2.27	5.36	1.50	1.24	2.08	2.06	-
1893	2.07	8.33	2.63	2.47	5.82	5.90	4.86	4.05	5.59	5.08	5.29	3.01	53.20
1894	1.47	2.26	6.56	5.77	3.61	1.61	5.05	3.74	.43	2.62	1.48	2.94	35.74
1895	6.01	3.91	5.44	3.08	1.59	4.23	1.73	3.63	1.05	2.95	3.89	1.19	38.40
1896	2.77	4.42	3.75	2.43	3.34	6.08	.84	2.83	3.23	4.35	4.20	5.38	43.67
1897	6.02	3.87	3.00	2.71	2.23	3.01	5.57	2.89	1.97	4.44	4.37	1.05	41.13
1898	1.74	7.96	3.52	4.81	4.27	3.74	5.78	6.41	1.22	3.85	4.46	.84	48.60
1899	6.62	8.41	2.59	3.66	5.87	8.33	1.55	.91	5.10	3.52	1.88	2.58	51.02
1900	2.39	1.22	1.27	5.55	4.74	3.01	3.43	2.76	1.12	1.22	1.36	3.47	31.54

BARNSTABLE, MASS. (Hyannis, Barnstable Water Co.) (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1901	4.81	5.10	2.58	3.14	1.20	8.86	5.70	9.64	1.27	3.40	2.18	4.23	49.61
1902	.86	2.20	8.48	2.12	4.17	6.61	2.68	1.13	5.11	1.98	.54	5.04	38.92
1903	5.69	2.68	6.51	4.18	4.48	7.25	3.72	.96	3.25	2.28	4.10	1.85	47.15
1904	5.77	6.11	3.17	5.12	3.43	2.46	6.25	4.29	5.03	4.78	4.19	1.44	52.04
1905	2.23	2.42	4.33	4.42	2.01	3.26	1.33	1.75	5.78	1.94	4.14	5.63	39.24
1906	1.87	3.18	4.00	4.80	4.08	8.45	2.28	4.47	2.20	6.07	1.07	2.91	45.38
1907	1.91	1.78	3.78	4.07	2.54	2.66	5.49	5.13	1.68	.62	1.61	4.96	34.23
1908	1.92	5.88	5.19	3.82	3.03	3.30	2.04	2.87	1.71	3.43	4.82	1.20	39.21
1909	8.66	2.02	4.29	5.12	5.58	3.81	4.35	2.57	1.31	.55	2.26	4.61	45.31
1910	3.61	8.76	2.66	6.78	4.23	2.45	2.92	3.99	2.56	1.87	3.17	1.82	42.82
1911	2.92	3.86	3.54	3.46	3.16	3.22	4.99	.76	6.70	3.72	7.12	3.25	46.70
1912	2.47	5.72	3.23	4.44	3.14	6.13	5.11	.46	3.24	5.45	2.50	45.61	
1913	1.18	3.13	7.44	5.49	4.00	2.89	5.46	2.12	.87	.92	6.91	3.07	43.46
1914	8.05	1.78	3.38	2.46	4.04	4.51	4.11	4.79	1.52	4.85	3.70	1.00	44.19
1915	2.35	2.43	5.46	9.15	4.34	9.09	92.92	92.50	92.72	9.77	94.69	91.56	38.78
1916	94.60	92.44	94.06	91.38	94.21	94.58	94.09	94.71	8.10	5.20	.66	3.63	47.66
1917	1.82	1.32	4.37	2.73	3.33	5.98	4.47	4.20	6.65	2.84	2.46	3.10	43.27
1918	4.56	.57	2.55	3.38	2.41	2.99	5.54	1.10	3.80	2.08	1.91	1.93	30.82
1919	1.24	1.67	3.95	5.79	3.29	4.35	2.82	3.66	2.58	7.44	7.83	6.79	51.41
1920	3.23	4.28	3.10	2.67	7.87	6.05	4.88	4.58	5.45	1.93	2.67	2.27	48.98
1921	3.22	4.10	3.88	2.33	3.18	3.90	3.98	6.46	1.79	8.79	3.23	1.26	48.12
1922	2.67	7.83	2.26	2.42	4.15	5.58	2.70	4.64	2.19	4.73	4.87	9.40	44.94
1923	2.50	1.47	4.04	4.97	1.32	5.74	5.11	.78	2.82	2.83	2.17	2.42	38.17
1924	2.99	2.66	4.43	4.38	3.10	4.55	4.57	3.51	2.83	1.23	7.12	3.06	44.23
1925	.26	2.48	2.32	3.44	1.42	2.82	2.70	2.27	2.75	1.63	3.00	2.74	27.83
1926	3.85	3.20	2.75	2.58	3.91	2.35	2.63	5.15	3.25	2.71	3.40	1.20	36.96
1927	7.24	2.74	2.91	3.24	2.88	1.40	1.06	2.36	3.31	4.87	5.72	3.96	41.69
1928	3.34	4.04	4.77	3.17	4.71	3.36	3.95	3.43	4.65	4.41	.38	6.12	46.33
1929	.87	3.28	3.65	2.60	3.85	4.82	7.45	2.87	.01	1.01	7.13	6.13	45.63
1930	3.10	3.23	3.74	4.33	3.87	3.17	.71	2.33	-	-	-	-	-
1942	-	-	-	3.76	2.25	7.95	.75	1.70	2.99	1.65	8.40	3.51	-
1943	5.28	3.68	3.66	5.24	2.48	2.74	3.79	4.19	1.55	5.82	3.87	3.09	45.39
1944	4.15	2.68	1.32	3.32	2.19	5.44	5.08	.62	3.71	.57	.47	3.32	32.87
1945	2.87	9.29	3.65	4.35	4.35	2.78	1.76	4.65	4.72	1.40	2.24	2.02	44.18

BARNSTABLE, MASS. (Hyannis, Mass. State Teachers College.) (b)

Lat. 41°39'10", Long. 70°16'55". Elevation, 35 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	-	-	-	-	-	1.24	1.26	1.41	0.22	-
1931	3.13	4.12	4.74	4.13	3.56	6.82	3.18	4.35	7.40	4.16	2.49	1.85	49.96
1932	5.23	.85	3.52	6.40	3.65	4.86	1.88	1.96	2.14	1.86	3.08	5.28	40.11
1933	5.24	3.48	2.97	3.68	4.17	6.88	6.96	2.48	2.88	2.53	3.94	13.22	58.23
1934	6.90	2.47	4.32	3.37	3.80	1.96	3.32	1.45	3.84	1.25	2.61	1.61	36.80
1935	4.76	3.01	3.62	5.02	3.39	2.13	2.34	1.81	6.17	5.57	1.35	5.98	45.15
1936	2.75	4.40	1.37	6.02	2.52	5.47	2.43	1.29	3.71	1.23	6.27	7.14	44.80
1937	3.42	2.06	7.02	4.33	1.80	3.50	4.50	2.00	3.50	1.21	5.20	4.13	42.77
1938	4.49	3.57	3.06	3.12	3.12	2.79	4.00	3.93	5.51	2.43	.89	7.78	44.69
1939	4.30	4.76	4.03	3.90	4.46	7.54	3.59	1.25	2.95	1.47	2.47	3.37	44.09
1940	4.46	1.75	1.96	2.03	6.51	3.46	6.66	3.71	2.50	4.48	.39	5.18	43.29
1941	2.66	5.19	4.05	4.91	1.50	3.57	3.48	1.70	7.88	4.33	5.38	.06	44.51
1942	2.50	1.70	2.47	2.99	3.29	8.29	.55	1.72	2.65	1.67	8.60	3.72	40.15
1943	4.59	4.12	3.83	4.76	2.63	3.63	3.01	4.45	1.51	5.70	4.79	3.10	46.12
1944	4.61	2.76	1.35	3.29	2.26	5.44	5.25	.65	3.47	.53	.43	9.27	39.41
1945	2.56	9.27	2.94	4.79	4.12	2.47	-	-	-	-	-	-	-

BARRE, MASS. (Ware River Intake Works) (d)
Lat. 42°23'25", Long. 72°03'40". Elevation, 680 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	2.06	1.79	2.96	1.39	2.23	3.92	8.16	1.37	2.53	-
1931	2.60	1.52	1.30	1.93	2.14	3.99	2.04	5.04	3.99	3.36	8.03	2.61	39.55
1932	2.91	2.37	3.14	4.60	1.72	3.98	1.71	1.68	1.81	4.77	3.82	5.22	36.73
1933	6.47	3.57	1.84	1.85	3.41	3.89	4.65	2.11	1.98	2.57	4.89	9.31	46.54
1934	4.90	.99	1.71	3.03	3.57	2.19	3.87	4.00	4.81	3.43	2.92	9.43	44.85
1935	2.07	1.59	4.98	4.72	2.99	2.21	2.74	3.08	5.40	3.74	1.10	4.53	39.16
1936	1.11	2.70	1.32	6.64	4.25	9.35	3.73	4.52	4.39	2.26	4.79	5.12	49.18
1937	3.10	1.78	7.33	5.33	2.32	3.04	4.17	3.28	4.91	2.26	5.73	3.78	48.03
1938	3.58	5.84	2.84	3.97	2.37	2.31	3.15	5.70	8.99	8.62	3.08	16.15	64.58
1939	2.25	3.65	3.01	1.94	3.15	3.21	3.62	2.19	2.96	1.35	3.70	2.10	33.13
1940	4.56	.91	3.37	2.16	3.49	4.30	5.61	5.44	2.17	3.51	1.36	1.80	36.68
1941	1.15	6.25	2.67	2.55	2.14	1.82	.49	2.62	3.19	5.38	2.47	.93	31.66
1942	2.00	2.77	3.03	3.77	2.56	5.72	1.04	4.58	4.78	5.44	2.20	3.26	41.65
1943	3.46	4.65	5.00	3.13	1.48	3.32	3.95	5.14	1.55	3.80	2.46	1.08	39.02
1944	6.00	6.21	.57	1.25	2.36	4.48	4.41	1.22	8.01	1.86	1.08	7.82	45.29
1945	1.51	3.64	3.09	3.73	3.98	2.07	5.40	5.58	6.50	4.93	3.25	1.90	45.53

PRECIPITATION RECORDS

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BARRE, MASS. (a)

Lat. 42°25'25", Long. 72°06'30". Elevation, 930 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1919	-	-	-	-	-	-	-	-	-	-	3.58	6.39	-
1920	2.92	6.23	2.11	2.52	4.23	3.60	5.91	4.14	5.81	4.51	3.22	5.87	51.07
1921	.93	94.60	92.78	2.58	2.67	2.50	8.29	2.77	6.75	7.18	93.64	93.24	47.93
1922	92.90	95.85	92.88	91.67	93.29	93.88	92.09	4.17	10.97	9.00	4.75	4.00	55.45
1923	3.58	1.71	3.81	7.13	2.06	3.23	6.08	2.08	3.48	3.02	2.42	2.30	40.90
1924	5.71	5.60	4.58	3.05	2.59	1.80	5.73	3.09	1.58	3.31	5.60	4.62	47.26
1925	.10	3.41	2.19	2.63	2.59	4.84	2.65	2.47	4.38	5.18	1.57	5.00	37.01
1926	4.70	3.17	2.65	2.55	3.71	2.48	1.50	3.11	3.74	3.07	1.90	34.08	
1927	5.48	5.18	3.16	2.77	3.78	1.81	2.20	4.62	2.64	8.48	5.96	2.74	48.64
1928	4.74	7.50	7.19	3.11	2.71	1.80	4.42	3.50	7.50	5.91	8.44	2.95	57.57
1929	1.71	2.15	1.47	4.75	3.00	3.85	6.05	4.69	3.13	.72	2.20	2.99	36.51
1930	2.41	2.82	3.33	2.19	2.53	3.25	1.44	3.01	4.17	9.00	1.36	2.58	38.09
1931	2.95	3.20	1.92	2.30	2.46	4.59	2.44	5.64	3.70	4.60	7.35	2.40	43.55
1932	3.24	1.07	3.81	5.26	2.81	5.63	1.56	1.65	1.71	4.93	4.22	5.96	41.85
1933	4.66	3.37	2.16	2.72	4.30	5.95	6.28	2.14	1.66	2.87	5.28	10.91	42.30
1934	7.09	1.53	3.79	3.36	3.50	3.50	3.88	4.32	4.74	4.64	2.63	8.42	51.40
1935	3.09	4.10	3.74	5.28	3.29	2.19	3.35	2.70	5.03	2.96	.86	3.87	40.46
1936	1.21	4.72	1.05	7.63	3.10	10.11	2.95	3.18	3.16	2.23	5.33	5.37	50.04
1937	2.70	1.98	7.56	6.45	2.36	3.16	4.45	4.50	5.78	2.83	6.82	5.67	54.27
1938	4.45	8.20	2.77	4.31	2.43	2.70	3.49	3.20	3.38	9.30	3.11	19.59	69.93
1939	2.50	4.11	3.42	2.59	3.90	4.54	4.28	3.04	3.53	1.36	3.61	2.37	39.28
1940	4.02	.79	3.47	2.49	3.69	5.29	6.45	5.59	3.01	4.08	2.04	2.20	42.92
1941	1.10	6.82	2.52	2.58	1.39	1.85	.91	3.62	2.91	5.36	2.83	1.05	32.94
1942	2.94	3.29	2.48	3.59	2.02	5.65	.92	3.58	7.28	6.49	1.78	3.23	43.25
1943	8.86	6.55	4.54	3.44	1.40	3.73	3.91	5.55	1.63	4.76	4.80	1.20	41.87
1944	5.64	5.28	.62	1.30	1.97	4.61	4.31	1.17	8.45	2.62	1.47	7.28	45.72
1945	1.72	3.55	3.44	2.86	3.67	1.85	5.53	5.94	6.81	8.22	4.37	1.85	49.81

BEDFORD, MASS.

Lat. 42°28', Long. 71°15'. Elevation, 170 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1893	-	-	-	3.11	5.48	3.03	2.91	5.16	2.95	1.79	6.00	1.73	-
1894	3.36	1.95	4.22	2.70	2.61	1.07	2.41	4.04	1.83	3.08	1.62	2.42	31.31
1895	3.96	2.58	2.68	3.59	.97	2.44	4.10	1.42	2.45	2.77	3.18	2.25	32.39
1896	7.21	6.64	2.07	2.17	5.45	5.63	1.32	2.22	2.44	2.95	2.64	6.73	47.47
1897	3.15	3.18	1.77	4.09	4.52	3.75	2.26	4.39	3.88	4.50	3.45	2.99	39.93
1898	.35	5.55	4.15	5.32	4.25	1.96	5.45	2.94	2.91	4.96	9.15	2.64	49.63
1899	7.06	5.84	2.65	3.51	3.82	6.06	1.71	1.22	5.90	3.55	3.45	5.75	46.08
1900	1.76	2.57	.99	5.03	8.05	5.17	2.48	4.22	2.12	2.14	1.98	4.22	40.68
1901	3.38	5.05	1.54	1.57	1.18	5.10	6.66	6.92	1.49	6.00	3.05	2.41	44.35
1902	2.69	2.58	8.00	1.67	4.04	5.55	3.53	2.66	1.81	3.11	4.66	4.54	44.84
1903	5.05	.82	5.60	3.16	3.03	5.98	3.18	.63	8.31	2.87	2.71	1.71	43.05
1904	4.66	1.48	2.67	3.24	2.36	1.81	7.39	3.77	4.07	1.78	3.27	4.97	41.47
1905	1.69	1.69	2.48	4.38	1.08	2.89	2.34	.91	4.86	1.81	4.35	8.32	36.80
1906	1.42	1.84	4.05	2.32	2.64	5.60	2.92	4.51	3.17	5.06	3.47	2.09	39.09
1907	2.27	2.02	3.79	2.88	1.56	1.86	2.66	3.24	3.45	2.72	1.22	8.33	36.00
1908	4.20	5.24	3.73	2.60	4.20	2.66	1.46	3.51	.98	2.62	5.35	.77	37.50
1909	2.60	1.06	2.67	3.77	4.75	3.17	4.63	2.25	2.53	3.52	2.26	3.70	36.91
1910	1.19	2.93	3.08	4.10	4.00	1.36	2.64	1.43	2.87	1.65	2.17	2.88	30.30
1911	1.29	3.54	2.19	2.45	1.66	3.21	1.80	1.05	3.46	3.86	4.50	3.04	32.05
1912	3.04	3.90	3.32	2.69	1.90	5.60	3.76	4.55	.19	6.04	2.19	2.66	39.84
1913	3.07	3.14	4.72	2.28	2.75	3.90	3.63	4.22	1.29	1.86	2.60	2.97	36.43
1914	5.98	2.07	2.23	3.04	2.45	3.55	4.17	2.28	1.85	2.38	4.78	.11	34.89
1915	1.60	2.03	2.85	4.45	3.62	T	1.59	1.56	1.51	10.69	5.36	1.24	36.50
1916	2.87	2.65	4.60	1.47	5.15	2.70	4.17	3.24	5.11	2.55	2.42	2.13	39.06
1917	.93	2.25	2.47	2.41	2.24	3.29	2.51	4.07	4.46	1.41	4.24	1.74	32.02
1918	4.89	.85	2.46	2.34	2.45	2.52	2.47	2.31	3.03	3.39	2.48	7.74	36.93
1919	1.16	2.38	2.82	3.57	3.27	3.94	2.64	5.45	1.08	3.45	3.85	5.26	38.87
1920	2.37	6.21	1.65	2.48	6.50	3.82	5.06	3.17	5.34	1.57	1.91	3.83	43.91
1921	1.10	4.14	5.40	2.30	2.59	2.19	3.57	3.07	3.50	8.38	1.70	2.25	40.19
1922	1.22	7.13	2.29	1.78	2.60	4.15	1.83	3.90	9.32	4.91	3.36	3.36	45.85
1923	2.18	1.35	2.88	-	-	-	-	-	-	-	-	-	-

BELCHERTOWN, MASS. (d)

Lat. 42°16'50", Long. 72°20'55". Elevation, 550 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	-	-	-	-
1940	5.19	1.02	4.15	1.91	2.08	4.45	6.23	4.84	1.80	2.90	3.81	2.83	40.03
1941	1.52	6.98	2.31	1.91	1.57	1.20	.87	2.67	3.40	6.65	4.07	1.21	34.48
1942	2.55	3.56	2.90	3.50	1.33	5.08	1.29	3.34	4.71	4.98	1.72	4.29	39.25
1943	4.37	7.32	5.62	2.79	1.61	3.34	3.11	6.21	3.12	7.03	3.90	1.44	49.86
1944	4.19	6.49	.76	1.05	1.88	4.28	4.81	1.40	7.92	1.72	1.58	7.08	43.16
1945	2.53	5.12	3.03	2.58	3.49	1.88	5.25	6.30	6.81	7.89	3.14	1.74	49.76

HYDROLOGY OF MASSACHUSETTS

BELCHERTOWN, MASS. (Springfield Water Works.)
Elevation, 440 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1894	-	-	-	3.96	3.94	1.47	2.12	2.95	1.05	1.64	0.76	3.56	-
1895	3.77	3.86	3.01	3.27	1.83	2.60	3.77	1.70	4.08	4.70	3.58	4.07	40.24
1896	4.08	6.79	2.15	1.48	5.45	5.97	1.92	1.81	3.68	5.00	3.13	5.39	46.85
1897	3.54	2.74	1.45	3.99	2.19	5.97	2.59	5.13	4.86	9.86	4.95	1.29	46.56
1898	.64	5.85	4.95	5.77	4.84	2.38	4.53	4.46	2.55	2.91	7.29	2.40	48.57
1899	7.10	6.22	2.14	4.12	3.98	6.58	2.27	1.38	5.98	5.20	1.70	4.67	51.34
1900	2.33	2.76	2.14	3.23	8.27	6.24	1.79	3.98	3.00	5.06	3.67	2.81	45.28
1901	3.80	6.54	2.70	1.49	.92	6.01	4.13	5.09	.93	2.81	6.53	3.39	44.34
1902	4.70	1.56	6.83	1.80	1.18	5.77	1.19	2.24	3.05	4.92	4.33	4.90	42.47
1903	4.87	1.02	6.32	3.40	4.25	5.92	2.30	1.57	7.20	4.19	4.51	2.99	48.54
1904	2.85	2.64	3.35	3.97	2.81	3.15	6.04	5.57	5.45	3.34	4.87	4.67	47.71
1905	1.50	1.53	2.23	3.37	1.39	3.42	2.86	1.23	1.80	1.95	2.17	2.40	25.85
1906	.79	2.16	2.56	2.67	2.46	5.28	2.99	6.16	6.81	6.51	4.43	3.04	45.86
1907	5.49	2.36	1.44	2.55	2.12	1.76	2.67	3.87	2.78	3.00	1.28	9.87	39.19
1908	5.17	4.29	4.17	2.75	3.41	2.99	2.24	4.01	2.19	4.68	6.92	.96	43.78
1909	1.61	.98	2.53	3.62	5.49	3.19	6.10	2.47	2.24	1.59	2.53	4.72	37.07
1910	1.05	2.21	4.64	-	-	-	-	-	-	-	-	-	-

BERLIN, MASS. (Hudson Water Works.) (a)
Lat. 42°22'55", Long. 71°36'20". Elevation, 450 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	-	6.80	2.96	2.97	1.84	4.79	2.92	5.96	4.54	3.87	3.59	-
1929	2.08	2.24	2.07	4.32	3.61	2.77	6.09	3.82	4.07	1.00	1.72	2.21	36.00
1930	3.10	3.46	2.77	1.78	1.27	3.38	1.68	3.23	1.32	4.03	1.41	1.45	28.88
1931	4.62	3.92	1.42	3.71	2.64	5.32	3.04	3.70	6.48	2.31	6.77	1.64	45.57
1932	2.52	1.06	3.46	4.01	1.91	4.95	2.14	1.27	2.67	2.86	5.59	9.13	41.57
1933	7.17	5.20	1.45	2.20	3.16	6.28	4.71	2.27	2.51	1.82	4.74	11.53	52.84
1934	3.69	1.05	3.12	3.43	2.47	3.60	4.23	4.28	4.51	2.52	2.28	9.83	45.01
1935	2.87	2.47	2.92	5.63	2.90	1.73	4.03	2.20	7.29	2.37	2.96	4.19	41.56
1936	.75	4.38	.90	6.73	2.68	9.21	3.39	3.18	2.79	1.50	5.81	4.46	45.78
1937	2.65	1.47	7.35	4.38	1.77	3.05	4.72	4.31	3.95	1.59	4.87	3.19	43.40
1938	4.24	6.62	3.62	3.60	2.02	2.05	3.25	3.98	6.58	9.49	5.84	10.30	61.58
1939	1.84	2.95	3.14	2.02	3.73	4.08	4.56	1.95	3.24	1.35	3.78	2.84	35.28
1940	4.60	.93	2.83	2.41	3.43	3.68	5.18	5.01	2.77	3.53	1.47	3.63	39.47
1941	1.12	5.88	2.62	2.78	2.14	1.77	.91	2.04	2.61	2.22	2.93	.62	27.64
1942	1.93	2.84	3.02	3.42	2.86	6.96	1.48	2.84	4.62	6.57	2.51	2.14	41.19
1943	2.73	4.88	5.80	2.71	1.16	3.58	3.04	4.75	3.14	4.46	1.81	.84	38.90
1944	5.77	4.75	.78	1.52	1.91	4.08	3.96	8.61	6.13	.71	1.45	5.62	37.49
1945	2.34	5.25	3.39	2.81	3.47	2.25	2.56	5.11	6.36	3.32	3.96	1.66	43.48

BEVERLY, MASS. (Wenham Lake, Salem Water Works.) (a)
Lat. 42°35'00", Long. 70°52'25". Elevation, 60 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1874	-	-	-	3.26	1.04	2.00	8.21	3.01	2.19	4.28	7.10	1.78	-
1875	0.50	1.52	2.41	2.80	1.57	4.38	2.78	4.06	7.39	3.92	6.00	3.46	40.79
1876	6.72	6.13	.94	1.66	4.29	7.96	3.28	3.65	.79	7.56	.75	6.72	50.45
1877	1.78	10.68	2.70	2.50	.72	7.22	5.12	2.60	2.70	2.64	4.32	.16	43.14
1878	8.15	8.16	1.14	7.74	6.49	4.20	5.97	.94	2.16	4.69	11.98	1.94	63.56
1879	5.92	7.23	5.56	1.25	2.50	4.09	4.50	1.98	5.22	2.52	6.47	2.00	49.04
1880	1.00	2.80	3.50	3.10	3.72	3.09	2.00	2.06	1.72	8.11	2.94	1.80	35.84
1881	2.38	2.32	3.06	5.32	3.94	5.44	1.92	4.56	5.52	3.72	1.24	2.54	41.96
1882	3.04	4.30	3.40	4.16	3.16	3.29	2.32	5.54	2.96	3.80	.80	8.00	44.57
1883	1.76	1.52	2.56	3.32	3.30	3.10	2.48	4.26	3.84	4.64	2.72	1.64	35.14
1884	6.02	2.56	2.14	5.28	9.12	6.44	5.52	4.18	3.40	2.70	4.50	.92	52.78
1885	3.46	3.52	5.44	5.57	3.12	.83	4.44	4.40	4.63	1.37	6.67	1.60	44.85
1886	7.76	7.30	2.06	6.04	9.55	4.46	2.24	2.57	1.76	4.32	1.44	3.16	52.86
1887	4.50	5.79	4.40	5.87	4.63	5.68	3.91	2.06	2.10	3.03	4.77	1.56	48.30
1888	1.58	3.02	3.47	3.60	2.70	3.92	3.14	5.26	1.34	1.84	4.52	7.26	41.65
1889	4.47	5.71	5.56	4.90	1.26	2.86	3.13	3.88	3.95	7.90	4.26	4.56	51.70
1890	4.26	7.56	2.85	3.06	3.78	5.03	2.55	6.40	4.02	2.69	3.88	3.90	49.76
1891	6.64	1.46	4.35	5.73	4.27	3.45	2.04	1.60	5.09	4.28	3.42	1.90	44.23
1892	4.94	2.42	4.09	3.69	1.92	3.19	.71	4.52	3.83	2.04	4.50	1.91	37.76
1893	2.18	4.25	1.11	1.20	4.92	.96	3.29	6.76	2.93	1.45	6.25	1.56	36.86
1894	3.76	1.97	4.69	e2.17	e2.09	e1.21	e1.94	5.39	.25	2.88	2.03	2.64	31.02
1895	7.52	3.16	3.33	2.91	.44	3.16	3.60	2.38	3.91	4.14	3.44	1.78	39.78
1896	6.53	10.71	2.26	2.27	5.41	3.92	.83	2.07	2.17	2.98	2.40	7.01	48.56
1897	4.44	3.81	1.40	2.51	1.43	5.21	3.14	6.17	4.76	5.29	3.38	3.19	42.95
1898	.36	6.61	4.21	5.18	3.59	1.43	5.07	5.00	2.17	5.45	8.46	2.26	50.79
1899	9.16	4.58	1.26	4.18	1.99	6.16	1.91	1.43	4.42	2.88	2.58	5.47	45.82
1900	2.43	2.09	1.88	4.24	7.36	4.28	2.09	4.56	3.47	2.35	2.93	4.19	41.87
1901	3.18	3.85	2.00	1.40	.22	7.02	6.85	7.09	2.51	4.43	3.20	4.23	47.78
1902	2.59	2.56	7.18	1.80	5.26	4.33	4.72	2.84	2.48	3.09	4.07	5.92	44.84
1903	5.58	1.06	4.68	3.94	3.48	6.45	5.16	.26	11.70	3.03	4.06	2.90	52.30
1904	3.15	1.23	2.58	3.08	2.58	2.50	10.52	4.66	5.49	1.78	3.31	5.71	46.37
1905	2.48	1.51	1.75	2.59	1.49	2.51	2.74	1.19	5.53	1.27	2.66	8.24	33.96
1906	1.37	2.68	4.43	2.99	2.32	1.71	2.66	5.42	3.35	6.67	2.75	2.19	41.57
1907	3.63	3.04	5.79	2.59	1.18	2.06	2.70	3.70	4.71	4.36	.99	8.83	43.58
1908	3.04	6.01	4.39	2.40	2.90	3.09	2.01	4.29	.69	4.42	4.73	.86	38.83
1909	4.85	1.24	3.25	3.71	4.76	2.73	4.17	2.02	2.79	2.64	2.99	6.14	41.29
1910	2.15	4.16	3.11	4.13	3.09	1.54	2.04	1.36	5.26	2.05	1.48	2.32	32.69

PRECIPITATION RECORDS

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BEVERLY, MASS. (Wenham Lake, Salem Water Works) (a)---Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1911	1.33	3.75	2.85	2.78	2.75	3.74	1.86	.46	4.18	6.50	3.64	3.75	37.58
1912	2.89	4.99	3.92	2.60	2.68	4.92	3.74	4.49	.55	5.52	2.50	2.85	41.25
1913	1.91	3.25	4.70	2.73	3.52	3.96	4.62	3.17	1.17	2.31	2.88	3.02	37.24
1914	6.04	1.93	3.57	3.12	2.57	2.94	5.77	2.25	1.61	2.16	2.57	.41	34.94
1915	1.82	2.63	2.86	5.40	2.99	.13	1.80	1.22	1.80	8.89	6.14	.90	36.08
1916	2.82	2.57	3.78	1.28	3.04	2.28	3.81	3.55	4.99	2.90	2.03	2.60	35.63
1917	.81	1.98	3.49	3.13	2.49	3.66	2.52	4.01	4.96	1.25	3.10	1.48	32.88
1918	5.44	1.19	1.54	2.42	2.82	2.88	3.18	.67	2.94	3.04	2.53	8.70	37.36
1919	1.02	2.45	3.28	3.45	3.08	2.93	2.41	5.62	.89	4.47	5.46	6.96	42.02
1920	2.54	5.62	1.36	2.35	4.67	3.05	2.10	2.99	6.47	1.66	2.08	4.02	38.91
1921	.79	5.24	3.87	1.75	2.42	1.99	2.50	2.51	3.32	14.10	1.74	3.46	43.69
1922	1.37	7.10	2.67	1.82	3.00	5.00	1.12	6.59	10.60	5.46	4.76	4.01	53.50
1923	2.02	.81	3.03	5.67	1.51	2.23	3.98	1.89	2.18	2.26	3.00	.58	29.16
1924	3.62	2.61	5.18	3.75	2.80	1.19	3.94	3.41	2.45	2.52	7.52	7.59	46.38
1925	.13	3.07	1.92	3.74	2.21	6.71	2.61	2.27	3.85	4.26	3.40	2.45	36.62
1926	5.16	4.24	6.02	2.68	3.50	2.96	1.95	2.40	2.06	2.99	2.71	1.38	38.05
1927	4.46	4.14	2.62	1.90	2.72	1.49	1.70	2.99	2.31	3.35	7.05	3.25	37.98
1928	4.52	5.28	5.17	2.00	2.86	1.52	5.77	3.56	6.02	5.80	5.40	5.15	48.67
1929	2.90	2.42	2.81	3.60	5.17	2.60	6.82	3.74	2.02	1.48	3.55	1.80	36.91
1930	2.90	3.03	3.82	2.68	1.88	3.20	1.56	3.04	2.17	3.58	3.42	.78	32.06
1931	4.29	5.63	2.06	4.31	2.58	4.12	2.99	4.58	7.70	3.04	4.01	2.10	47.41
1932	2.87	1.19	3.79	5.18	1.68	4.82	1.69	1.12	1.76	2.82	5.96	6.20	39.08
1933	7.08	5.57	1.44	2.35	3.75	5.69	5.64	2.84	1.30	2.95	2.72	9.33	50.66
1934	3.92	1.31	3.25	3.33	3.13	5.27	2.70	2.22	4.23	2.40	1.27	6.84	39.87
1935	3.49	2.62	2.30	6.52	2.88	1.22	4.57	1.40	6.68	2.38	1.42	3.66	39.14
1936	.44	4.51	1.39	7.19	3.35	6.72	3.95	1.87	3.16	2.10	3.74	4.65	45.07
1937	1.75	1.08	8.94	4.98	1.32	3.24	5.14	2.88	3.00	1.07	3.55	5.09	42.14
1938	4.77	5.23	4.43	3.57	2.32	2.44	3.31	4.76	7.14	9.50	2.28	7.04	56.89
1939	2.06	2.03	3.41	1.47	3.34	4.42	4.84	3.23	3.00	.76	2.33	1.56	32.45
1940	4.44	.93	2.95	2.12	2.84	5.04	4.96	3.54	2.42	3.30	1.07	4.01	37.62
1941	.62	6.44	2.74	2.88	1.51	1.76	1.97	2.90	2.47	2.85	2.61	.58	29.13
1942	2.11	2.83	4.67	3.93	4.74	5.80	1.27	2.31	3.79	3.80	3.29	2.18	40.72
1943	4.20	4.44	4.43	3.53	1.19	3.55	2.65	5.08	1.66	4.46	1.84	1.44	38.47
1944	4.44	3.29	.82	2.37	2.21	3.58	3.39	.60	4.84	1.87	2.00	5.93	35.14
1945	1.82	5.62	3.36	2.58	3.49	1.20	2.72	4.87	6.92	3.21	2.70	1.41	40.20

BILLERICA (North), MASS. (Talbot Chemical Works.)
Elevation, 100 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1889	-	-	-	5.10	1.56	1.62	3.81	5.10	4.92	7.18	4.14	3.17	-
1890	3.38	6.78	2.30	2.44	3.80	7.96	2.56	5.95	3.14	1.86	5.66	3.57	49.20
1891	7.75	.80	2.85	4.80	3.15	5.40	2.60	2.53	2.42	4.00	1.90	2.10	40.30
1892	2.32	3.60	3.27	4.00	2.55	3.20	.50	5.16	5.47	1.00	5.74	3.03	39.84
1893	2.55	6.19	1.34	2.53	7.15	2.29	2.46	7.01	3.16	2.24	5.88	3.17	45.77
1894	3.50	1.77	4.00	3.89	3.05	.92	2.45	4.42	1.22	5.65	1.45	2.70	34.02
1895	5.24	2.41	3.60	2.90	1.00	2.34	3.48	1.62	3.47	1.53	2.83	1.99	32.41
1896	7.74	8.99	2.35	2.13	4.76	4.94	1.25	1.80	2.05	2.95	2.58	7.75	49.28
1897	3.20	3.68	2.30	3.60	2.65	4.05	2.85	3.45	3.75	3.50	3.75	4.40	44.53
1898	4.00	6.20	4.35	5.10	5.16	1.25	5.20	2.73	4.56	2.47	7.81	2.00	47.23
1899	6.13	6.30	3.30	2.95	3.95	7.00	3.05	2.00	2.92	2.80	1.98	4.30	48.58
1900	1.55	4.07	.82	4.40	9.18	6.05	1.25	3.70	2.40	2.38	2.54	3.55	41.69
1901	2.65	5.92	2.62	1.20	1.15	4.65	7.20	6.95	1.05	5.90	3.00	2.30	44.59
1902	4.60	2.45	6.65	2.35	6.20	4.50	5.20	1.13	1.55	3.35	3.85	2.00	43.83
1903	6.62	.90	6.00	2.70	3.30	6.05	3.10	.50	9.35	2.25	2.75	1.35	44.87
1904	4.10	1.68	2.70	2.60	2.85	2.72	10.69	2.60	3.38	5.57	3.02	5.09	47.00
1905	1.54	1.40	2.00	6.78	1.15	1.60	2.55	.93	5.16	1.42	3.88	7.20	35.61
1906	1.77	.75	3.70	2.25	.60	2.45	3.40	5.97	94.71	95.43	92.56	91.44	35.03
1907	92.24	3.70	3.40	3.47	1.75	2.40	4.60	3.15	2.95	5.39	95.95	7.50	41.50
1908	4.55	5.80	4.85	3.45	3.07	92.53	.50	4.65	9.80	94.68	94.38	94.43	39.49
1909	92.55	.00	3.64	-	-	-	-	-	-	-	-	-	-

BLANDFORD, MASS. (Blandford Fire District.) (a)
Lat. 42°10'45", Long. 72°55'15". Elevation, 1,400 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	2.01	1.61	4.70	2.52	4.92	5.27	3.42	2.66	2.58	-
1931	1.78	4.86	1.98	3.70	2.71	5.19	2.81	7.69	4.83	3.63	3.84	1.53	44.55
1932	2.64	1.39	2.64	4.95	2.08	4.50	1.89	1.80	4.24	3.93	2.86	3.48	36.40
1933	7.25	6.62	1.44	1.70	2.92	5.48	4.50	1.77	3.53	2.63	7.79	7.97	53.60
1934	3.06	.93	3.38	3.55	2.29	3.90	4.06	4.44	4.71	2.01	5.33	10.37	48.03
1935	2.32	4.24	3.57	4.28	2.46	1.76	1.91	2.79	4.98	4.26	.53	4.34	37.44
1936	.91	4.04	.86	5.40	2.38	10.44	3.96	2.51	1.85	1.09	4.53	4.23	42.20
1937	3.52	1.52	6.28	5.50	3.35	3.48	4.05	6.85	5.63	4.10	4.79	5.86	54.95
1938	6.77	6.32	3.21	5.17	1.80	2.40	2.18	3.89	9.99	6.05	4.27	12.60	64.65
1939	2.31	2.97	3.72	2.39	3.98	3.82	4.35	1.12	2.89	3.45	4.92	3.30	39.11
1940	4.89	1.20	2.34	2.54	3.30	4.85	5.13	7.28	3.46	2.95	2.94	2.28	43.16
1941	1.64	6.11	2.55	2.57	3.23	1.58	.90	3.32	5.86	6.42	3.97	.95	39.10
1942	2.88	3.40	4.47	3.83	2.32	6.84	1.33	5.24	5.39	5.77	2.97	5.32	49.56
1943	4.37	6.18	6.40	2.71	1.75	3.37	2.98	6.04	4.03	6.33	1.65	2.59	48.40
1944	5.81	5.07	.77	1.59	2.38	4.66	3.93	1.13	5.18	2.05	3.51	7.25	43.43
1945	1.99	5.30	3.81	3.97	4.13	1.80	4.95	8.03	6.82	7.48	3.94	6.18	58.40

BOSTON, MASS.
 Elevation, 30 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1818	-	-	-	2.64	2.49	4.05	6.15	5.96	2.47	4.08	0.46	7.81	-
1819	2.11	1.91	0.86	.70	2.27	6.21	2.74	2.06	2.56	2.02	4.28	5.29	26.11
1820	1.40	1.22	1.63	3.12	4.25	4.90	.45	5.08	2.42	4.19	5.15	2.43	27.24
1821	5.39	3.00	2.80	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	40.74
1822	2.29	3.12	1.92	1.29	2.34	2.02	2.99	.78	3.54	4.22	1.20	2.15	27.97
1823	2.53	2.58	1.46	3.00	4.57	7.72	2.21	6.40	.92	5.74	1.98	1.95	41.07
1824	2.95	1.92	6.93	3.95	5.99	1.81	4.72	1.43	1.60	.88	2.68	6.43	43.29
1825	1.01	1.72	2.80	2.79	3.43	4.70	.27	1.36	4.77	1.24	5.62	2.66	32.47
1826	3.21	.81	4.28	2.55	1.48	3.81	1.50	.25	3.85	2.90	12.10	3.03	39.87
1827	2.80	2.31	3.56	3.92	2.97	2.51	4.75	5.24	2.56	2.59	4.88	4.81	44.00
1828	5.25	5.71	2.59	2.15	2.79	1.84	2.00	4.87	1.59	4.58	.27	3.82	38.29
1829	2.79	5.55	.26	4.92	5.42	4.20	2.45	2.71	1.64	6.98	4.95	2.62	45.80
1830	1.65	5.74	2.26	2.36	1.63	2.51	1.21	3.92	3.46	4.90	2.64	5.65	38.94
1831	2.38	5.32	5.96	4.44	3.68	3.07	8.97	2.65	4.32	5.53	5.57	3.83	54.72
1832	4.42	3.20	2.93	4.47	3.74	2.65	5.56	7.27	.50	3.41	6.14	2.07	46.36
1833	2.46	3.57	4.85	2.96	2.53	2.71	2.20	1.03	3.22	2.01	.82	2.88	31.85
1834	6.00	5.53	5.66	1.39	1.13	.96	2.93	6.32	3.09	7.71	2.47	3.71	47.11
1835	4.62	2.90	2.26	3.25	1.27	4.27	4.54	2.07	2.74	9.07	2.89	1.81	41.29
1836	1.87	2.08	2.40	8.94	3.57	2.90	1.58	1.85	4.33	2.12	1.53	.54	33.61
1837	4.04	5.43	4.12	4.10	4.14	3.02	5.79	2.98	2.98	1.80	1.67	.56	40.73
1838	1.58	2.35	2.46	3.07	2.77	3.03	2.62	3.22	2.35	1.20	4.26	9.87	39.14
1839	5.02	3.95	.80	.98	3.11	1.18	7.73	4.27	2.25	3.52	5.70	2.00	40.21
1840	2.50	1.71	6.25	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	39.46
1841	4.48	11.63	4.15	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	53.19
1842	3.80	4.55	5.77	.80	3.20	2.35	3.50	2.90	5.20	1.82	4.44	3.25	42.68
1843	.60	4.45	5.20	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	.98	45.10
1844	4.82	3.40	4.92	3.68	2.42	6.00	.20	2.72	1.40	2.17	2.62	3.58	26.88
1845	5.80	3.15	3.85	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	38.89
1846	4.00	10.25	5.99	3.12	2.95	2.75	1.23	2.02	2.25	2.51	1.80	1.30	40.14
1847	1.35	4.17	4.52	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	46.85
1848	1.05	5.12	3.95	3.20	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	37.80
1849	5.10	2.25	5.95	.35	1.15	7.35	.90	3.10	1.45	.85	6.25	1.25	35.95
1850	8.10	5.50	4.05	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.20	7.15	59.45
1851	2.10	3.32	6.76	1.80	4.20	3.88	9.37	3.21	1.80	3.09	1.27	3.50	43.90
1852	4.43	5.51	2.65	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	51.78
1853	2.19	2.47	2.09	2.44	5.30	2.27	3.78	5.62	.20	3.64	9.40	3.80	45.21
1854	3.92	4.43	2.85	2.91	4.87	2.84	6.63	4.23	4.27	3.70	.58	3.86	44.49
1855	2.08	6.80	4.64	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.12	41.90
1856	4.61	5.27	5.93	5.22	.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	57.66
1857	2.70	3.33	4.28	5.56	2.45	3.09	10.83	5.57	2.02	5.53	7.18	2.56	54.90
1858	4.50	2.52	5.26	3.28	2.20	2.18	5.18	3.89	8.09	4.56	7.03	5.02	53.81
1859	3.03	3.38	4.73	5.92	4.05	7.64	3.36	3.63	7.69	1.58	4.72	4.40	54.24
1860	3.28	3.75	6.47	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	51.07
1861	2.66	5.37	5.86	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	54.05
1862	2.66	4.90	2.25	8.50	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	94.79
1863	4.85	8.32	3.01	4.51	4.54	6.42	9.08	2.62	2.56	12.58	5.64	3.12	87.25
1864	3.83	6.43	6.34	4.87	1.42	1.75	7.32	3.21	1.47	3.80	4.17	1.87	47.06
1865	4.80	4.00	5.28	4.47	5.08	4.63	2.57	6.90	2.33	4.26	1.42	.62	47.06
1866	6.21	4.46	4.18	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	54.23
1867	2.72	3.74	4.66	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	.44	55.40
1868	6.76	2.32	2.48	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	66.26
1869	1.78	5.31	2.32	4.03	9.98	8.74	2.05	6.88	4.44	3.20	2.19	5.18	56.20
1870	6.71	3.74	9.04	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	.67	64.40
1871	6.80	4.40	3.62	2.77	3.72	4.68	4.23	5.69	5.67	2.87	3.21	1.37	49.13
1872	5.51	5.66	3.13	2.42	2.68	3.98	3.24	3.95	4.81	4.48	10.43	7.37	37.44
1873	4.96	4.64	5.00	6.69	2.74	4.54	3.81	4.92	.65	3.25	6.46	2.76	51.46
1874	5.43	7.34	5.33	4.30	4.02	1.64	8.36	3.72	2.91	2.70	6.48	1.66	53.69
1875	1.02	2.58	1.70	3.24	3.62	5.76	4.46	3.89	7.73	3.64	3.50	3.32	44.66
1876	5.06	5.62	.97	1.89	5.24	8.25	5.61	3.14	2.16	6.50	1.82	3.62	49.88
1877	2.13	9.82	5.01	4.03	1.20	9.08	3.82	3.58	3.05	2.58	5.68	.53	50.51
1878	8.19	8.36	1.05	7.30	6.08	5.37	5.88	.92	2.06	3.63	6.50	2.32	57.66
1879	6.10	7.11	5.62	2.74	3.54	4.31	6.97	1.16	5.62	2.43	6.45	1.86	54.91
1880	.80	3.55	4.64	3.23	4.73	3.85	3.28	1.86	.63	7.52	2.87	2.30	39.24
1881	3.41	2.07	3.14	5.59	5.15	6.94	2.36	3.59	7.01	3.51	1.17	2.52	46.46
1882	2.86	4.42	4.10	4.66	6.35	3.57	2.61	5.80	1.74	4.01	1.69	11.47	52.28
1883	2.30	1.74	2.48	4.04	3.55	2.14	2.95	3.94	2.57	2.51	.24	1.38	29.94
1884	6.34	2.07	3.73	5.71	7.19	6.25	4.86	3.32	4.21	5.33	5.20	.23	54.56
1885	2.34	3.19	4.91	5.21	2.88	1.21	3.62	4.23	3.38	1.40	7.22	1.60	42.21
1886	5.67	5.53	2.00	7.04	7.38	3.76	2.52	3.96	1.30	2.09	3.98	2.94	49.17
1887	3.06	3.72	4.71	5.93	4.37	5.27	4.25	1.69	2.15	3.92	3.21	1.24	42.63
1888	2.84	2.59	2.59	3.94	2.93	5.76	2.46	6.40	2.71	2.14	7.18	6.96	50.80
1889	4.71	6.56	5.40	6.18	2.00	2.42	2.96	4.85	4.18	8.44	4.46	4.26	59.56
1890	4.19	5.85	2.26	2.54	3.05	6.49	2.79	5.42	2.53	1.75	2.99	6.12	46.06
1891	7.92	1.11	3.62	6.63	5.24	4.03	2.65	2.01	3.21	3.20	3.51	2.99	46.22
1892	6.97	2.14	2.78	6.58	1.41	2.61	.81	6.17	3.10	1.26	5.65	2.45	42.73
1893	2.44	4.66	1.15	2.70	6.04	2.84	3.21	6.32	2.35	2.08	7.59	1.55	43.03
1894	3.51	2.21	5.14	3.28	2.98	.99	3.50	4.03	.62	3.22	3.18	2.24	35.11
1895	5.22	3.19	4.34	3.28	.54	2.92	4.84	2.68	1.47	3.42	3.28	1.06	36.24
1896	8.05	6.50	1.78	2.03	4.47	4.93	1.14	1.42	2.52	2.07	1.72	7.53	44.17
1897	2.98	3.78	1.65	3.06	2.92	2.64	3.06	2.55	4.20	4.23	4.51	3.29	40.04
1898	3.20	6.74	2.14	4.44	4.66	1.26	6.93	4.03	1.60	1.07	5.63	1.93	49.06
1899	7.65	4.97	2.52	5.46	4.73	6.97	1.41	1.27	2.84	4.02	1.40	6.35	48.80
1900	2.61	3.20	1.42	3.37	7.17	5.09	2.10	5.82	2.11	2.67	2.07	4.49	42.12

PRECIPITATION RECORDS

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BOSTON, MASS.--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1901	4.26	5.89	2.09	1.41	.89	4.96	5.59	5.96	1.54	7.09	3.04	4.04	46.76
1902	3.94	3.21	6.98	1.54	2.79	5.97	2.18	1.61	2.76	3.53	3.26	2.33	40.10
1903	4.94	1.53	5.97	3.94	3.24	6.43	3.84	.38	7.32	3.77	2.97	2.62	46.95
1904	4.03	1.19	2.21	5.81	2.67	2.56	9.28	3.11	2.07	1.41	2.41	5.01	41.76
1905	2.18	2.02	2.83	4.90	1.82	2.41	3.00	1.87	4.81	2.03	2.40	4.78	34.85
1906	1.32	2.09	3.61	2.73	3.14	6.37	2.30	5.04	1.74	5.45	.78	2.92	37.49
1907	3.43	3.63	2.90	4.33	2.31	1.86	3.35	2.73	2.34	.82	1.25	9.24	37.19
1908	2.50	6.21	4.25	2.82	4.14	3.47	1.62	4.13	2.06	3.64	4.24	.60	39.68
1909	3.70	1.37	2.57	4.58	4.99	3.79	6.19	3.04	3.98	.86	3.41	5.67	44.15
1910	1.18	4.52	3.60	4.79	4.17	1.02	3.59	3.56	5.37	2.03	1.47	2.06	37.36
1911	1.32	4.88	2.05	2.65	2.73	2.96	2.59	.54	4.09	4.97	5.72	4.00	38.00
1912	2.53	2.91	2.96	3.16	2.38	4.42	3.46	4.33	.28	4.42	2.06	1.69	34.60
1913	1.21	2.75	4.88	2.44	3.23	4.97	5.05	3.23	.55	2.15	2.79	2.41	35.66
1914	6.88	2.41	3.26	-	-	-	-	-	-	-	-	-	-

BOSTON, MASS. (b)

Lat. 42°22', Long. 71°02'. Elevation, 43 feet (124 feet prior to 1936.)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1871	-	-	-	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	-
1872	5.88	6.42	3.38	2.11	2.31	4.05	1.51	3.29	4.84	4.00	10.68	6.04	54.31
1873	4.85	3.66	3.09	5.76	3.21	3.78	5.83	5.16	.54	3.94	6.21	2.81	46.82
1874	5.33	8.54	5.64	4.32	3.41	1.60	4.97	3.71	3.94	3.47	6.67	2.05	56.45
1875	1.39	2.85	2.14	3.68	3.74	5.04	4.82	3.76	7.25	3.93	3.50	3.12	45.32
1876	4.99	5.47	.75	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.64	43.77
1877	1.66	11.03	3.71	3.33	.45	9.79	4.19	3.38	3.21	2.27	4.49	.60	48.11
1878	8.84	9.62	1.32	7.60	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	62.85
1879	6.76	8.94	6.76	2.79	4.35	3.90	6.58	.97	6.24	3.09	6.71	1.84	58.93
1880	.91	2.97	4.22	3.72	4.11	3.25	2.85	1.63	.75	6.86	2.90	2.36	36.53
1881	3.15	2.30	3.42	7.21	4.99	9.86	1.66	4.16	7.79	2.96	1.23	2.50	51.13
1882	2.64	3.73	3.80	3.66	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.33	48.03
1883	2.29	1.20	2.65	3.59	2.74	2.33	2.83	1.11	2.07	2.73	.39	1.50	29.45
1884	6.40	2.08	3.71	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	.31	50.71
1885	3.17	3.03	4.46	5.33	3.00	1.15	3.30	4.28	3.70	1.44	7.64	1.70	42.18
1886	5.71	5.78	2.09	7.08	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	45.20
1887	3.27	3.59	3.66	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	.97	36.81
1888	2.53	2.22	2.71	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	40.42
1889	3.58	4.97	4.38	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	42.70
1890	3.31	4.91	1.83	2.00	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	38.87
1891	5.63	.97	3.72	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	38.53
1892	5.56	2.35	3.58	4.62	2.15	3.91	.93	5.15	3.05	2.56	4.87	1.90	40.63
1893	2.31	4.45	1.12	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	39.79
1894	2.94	1.83	5.16	3.01	3.15	1.01	3.78	4.12	1.80	3.09	3.03	2.14	34.06
1895	5.11	3.10	4.28	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	35.95
1896	6.19	8.07	2.45	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	45.71
1897	3.15	3.70	1.70	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	38.80
1898	.41	6.19	3.92	3.50	4.81	1.82	6.69	4.33	1.60	4.42	6.28	1.93	45.70
1899	7.17	5.52	2.19	4.19	3.03	5.95	1.29	.81	2.86	2.52	2.52	5.09	42.94
1900	2.40	2.51	1.52	4.20	6.93	4.60	1.90	5.07	1.85	2.69	2.46	4.62	40.65
1901	3.41	4.17	2.25	1.56	.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	44.63
1902	3.02	2.41	8.49	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	37.92
1903	4.36	1.09	4.48	3.43	3.90	5.95	4.43	.32	7.19	2.99	3.33	2.43	43.90
1904	3.95	1.48	2.57	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	41.29
1905	2.13	1.70	2.52	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	32.61
1906	.82	1.77	3.23	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	36.12
1907	3.68	2.55	3.96	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	35.08
1908	2.54	6.02	4.21	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	.68	36.05
1909	3.70	.74	2.47	3.94	4.71	3.28	3.92	2.33	4.45	.97	3.55	5.15	39.21
1910	1.07	4.11	3.19	4.25	3.44	1.25	2.22	1.02	4.89	1.15	.98	2.14	29.71
1911	1.14	3.75	2.10	2.28	2.85	2.95	2.28	.35	3.67	4.65	4.17	2.95	33.14
1912	2.27	4.29	3.07	2.87	2.38	4.18	3.07	4.04	.27	5.16	1.94	1.67	35.21
1913	1.00	2.61	5.36	2.38	2.99	4.81	4.77	3.22	.64	2.69	2.86	2.51	35.84
1914	6.04	2.15	3.05	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	.21	37.83
1915	1.54	2.72	3.46	6.33	3.47	T	1.86	1.64	1.39	8.85	5.63	.69	37.58
1916	2.82	2.14	3.84	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	40.65
1917	94	1.67	3.03	2.82	2.77	3.75	2.72	4.45	4.05	1.10	7.06	1.91	36.12
1918	.53	.59	2.56	3.11	2.30	3.19	5.03	1.99	2.64	1.55	9.19	3.19	37.48
1919	.99	1.20	3.21	3.62	2.86	4.11	2.33	4.25	1.06	4.63	5.07	5.83	39.93
1920	2.13	5.56	1.63	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	43.94
1921	1.64	5.46	3.89	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	44.17
1922	1.24	6.19	2.35	1.41	2.64	4.30	2.48	5.34	8.05	2.63	4.75	3.65	45.03
1923	1.97	.84	3.01	6.08	1.48	2.49	5.26	.83	2.03	3.36	1.86	.38	29.59
1924	3.37	2.78	4.99	3.27	1.90	2.04	3.79	2.81	1.07	2.04	6.86	6.96	41.88
1925	.06	1.93	1.48	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	31.73
1926	4.03	3.66	5.20	2.53	5.56	2.91	1.73	3.31	1.33	6.06	.39	1.08	41.31
1927	3.58	4.07	3.96	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.45	39.97
1928	3.77	4.71	5.22	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	43.96
1929	2.88	1.85	2.61	3.82	3.78	2.79	7.52	2.82	2.30	1.35	2.22	.76	34.70
1930	2.38	3.01	4.43	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	.26	32.20
1931	5.83	4.09	2.99	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	51.18
1932	2.18	.82	2.90	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	33.35
1933	7.18	5.24	1.78	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	55.12
1934	3.11	.65	2.93	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	34.48
1935	2.94	1.78	1.64	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	34.39

HYDROLOGY OF MASSACHUSETTS

BOSTON, MASS. (b) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	.34	3.91	.66	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	39.02
1937	2.67	1.33	8.19	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	42.16
1938	3.95	4.66	5.09	4.91	2.58	2.42	3.22	4.42	6.50	9.46	3.31	6.00	56.12
1939	2.43	2.89	2.80	2.18	3.79	5.23	4.54	1.29	2.70	.75	2.14	1.01	31.75
1940	4.77	1.14	2.91	1.68	4.78	3.83	4.58	3.28	1.80	3.17	.85	2.32	35.11
1941	.76	6.24	2.76	4.21	1.70	3.40	1.70	2.43	4.29	2.90	1.55	1.18	33.12
1942	1.92	2.40	3.19	3.69	3.45	7.00	1.60	2.11	4.24	4.14	2.09	1.96	37.79
1943	2.78	4.69	4.72	3.74	1.23	4.02	2.64	4.56	1.49	3.91	1.28	1.41	36.47
1944	4.82	2.16	.99	2.03	2.15	3.92	3.52	.25	5.35	1.61	1.79	5.36	33.95
1945	2.58	5.68	2.83	3.67	4.09	1.90	2.02	4.47	6.44	2.12	4.27	1.81	41.88

BOSTON, MASS. (Arnold Arboretum) (a)
 Lat. 42°18'00", Long. 71°07'10". Elevation, 75 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1934	-	-	-	-	-	-	-	-	-	-	1.83	6.85	-
1935	3.23	3.10	2.88	6.50	3.07	1.56	6.32	1.74	7.38	2.16	4.13	3.14	45.31
1936	.64	5.10	.92	8.01	3.27	7.09	3.42	1.56	2.10	1.80	6.26	6.67	46.95
1937	1.77	1.50	6.29	4.24	1.63	3.72	5.32	2.94	3.51	.95	4.27	4.24	42.69
1938	4.81	5.89	4.22	4.62	2.25	2.46	3.05	5.59	7.53	11.10	4.28	6.13	61.93
1939	2.95	2.89	2.95	2.44	4.48	4.84	4.91	1.19	3.23	.34	3.13	1.55	24.90
1940	5.58	1.40	3.30	2.42	4.97	3.79	5.42	3.66	2.50	3.60	1.29	2.73	40.66
1941	.96	6.60	2.54	3.94	1.94	2.60	1.89	2.65	4.67	4.29	2.66	.43	35.17
1942	1.71	2.75	3.27	4.21	3.36	7.70	1.63	1.97	3.11	5.20	2.30	2.64	40.05
1943	3.39	5.05	4.94	3.52	1.42	4.17	3.03	5.32	2.58	3.12	1.25	2.00	39.59
1944	5.74	2.60	1.28	1.96	2.54	4.20	3.96	.34	4.01	2.10	2.33	7.46	38.52
1945	3.45	6.58	3.39	3.45	4.25	2.21	2.69	5.44	7.15	3.01	3.50	2.19	47.89

BOSTON, MASS. (Brookline Water Works Pumping Station, West Roxbury) (a)
 Lat. 42°16'40", Long. 71°10'55", Elevation, 90 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	7.43	1.36	3.29	3.71	3.27	3.94	5.56	2.80	1.37	2.85	3.60	0.23	39.41
1915	1.66	2.83	3.63	7.03	3.32	T	3.26	1.84	1.70	9.65	5.55	.79	41.26
1916	2.74	2.27	5.05	1.54	4.92	3.69	4.57	3.17	5.62	4.72	2.92	1.52	42.53
1917	1.20	1.86	2.68	3.13	2.00	4.00	2.64	5.14	4.16	.80	10.94	2.20	40.75
1918	5.71	.83	1.53	2.76	3.21	1.62	4.80	1.34	2.49	3.51	1.40	9.20	38.40
1919	1.02	1.77	3.29	3.47	3.12	4.49	2.69	4.64	1.27	5.36	5.10	6.81	43.03
1920	2.61	5.14	1.69	3.43	7.38	3.41	5.48	4.64	6.52	2.69	4.27	3.45	50.51
1921	1.16	5.74	3.95	2.61	3.25	2.86	6.33	2.51	4.17	2.85	1.80	2.23	44.86
1922	1.20	6.97	2.21	1.60	2.79	5.29	1.57	5.07	9.93	3.32	5.69	5.04	50.58
1923	1.57	1.19	3.74	7.06	1.87	2.66	5.97	.89	3.33	3.49	1.72	.71	34.20
1924	5.17	3.21	4.94	3.11	2.39	2.88	4.41	2.76	1.30	1.95	6.17	8.58	46.87
1925	.14	1.71	1.71	3.67	1.61	5.76	2.51	2.25	4.24	5.21	.91	3.84	33.86
1926	4.35	3.06	4.53	2.61	5.57	2.98	1.89	3.04	1.44	3.82	4.40	1.15	38.84
1927	3.79	4.67	3.50	2.51	3.26	1.19	1.67	2.70	1.59	4.77	8.30	2.53	40.58
1928	4.40	4.90	5.11	1.99	3.39	1.06	5.04	3.38	6.00	4.82	2.67	4.03	46.79
1929	3.66	1.97	2.65	3.72	3.68	3.17	8.33	3.38	5.03	.96	1.59	1.80	39.94
1930	2.63	2.94	4.15	3.07	2.56	2.99	1.80	2.66	1.59	3.00	3.16	.25	31.00
1931	5.40	4.25	3.07	3.29	3.34	5.37	2.45	4.76	9.08	2.36	5.50	3.68	52.55
1932	2.27	.76	2.97	5.22	2.22	6.08	1.31	1.72	2.58	2.74	4.72	5.89	38.48
1933	7.71	4.94	1.61	2.20	3.30	6.95	6.25	2.49	1.63	1.74	2.99	10.69	52.50
1934	3.72	.80	3.90	4.29	3.87	4.96	3.22	2.43	4.25	2.09	2.13	5.91	40.77
1935	3.70	3.40	2.76	6.85	3.01	1.74	7.56	1.79	5.81	2.49	3.55	3.26	45.72
1936	.70	5.31	.96	7.62	3.04	7.14	3.21	1.55	2.12	2.01	7.21	7.14	48.01
1937	1.75	1.64	8.32	3.97	1.45	3.79	5.14	3.05	3.48	.89	4.43	4.05	41.96
1938	4.05	5.67	4.74	3.99	2.23	2.42	2.70	5.11	7.61	9.19	4.40	6.23	56.54
1939	2.79	3.37	3.15	2.58	3.95	4.44	4.45	1.13	3.15	.64	3.53	1.42	34.60
1940	5.12	1.50	2.90	2.10	5.19	3.39	5.27	3.91	2.89	3.76	1.50	2.42	39.45
1941	.93	6.10	2.28	2.34	1.82	1.92	1.42	2.42	4.86	3.87	2.70	.28	30.94
1942	1.52	2.47	3.38	3.53	2.98	5.65	1.37	2.08	2.27	5.33	2.27	2.34	35.29
1943	3.13	4.73	4.86	3.03	1.04	3.27	3.11	5.23	2.31	3.89	1.20	1.88	37.48
1944	4.48	2.64	1.18	1.69	2.26	3.65	4.05	.39	4.77	2.15	2.97	6.92	37.15
1945	2.98	6.57	3.17	3.34	4.32	1.98	2.41	5.26	6.18	2.31	2.95	2.01	42.48

BOSTON, MASS. (Chestnut Hill Reservoir) (b) (c)
 Lat. 42°20'00", Long. 71°09'30". Elevation, 124 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1873	-	-	-	5.67	2.68	2.25	2.97	4.41	0.26	3.58	6.76	2.33	-
1874	5.45	6.23	4.77	2.14	1.50	1.62	7.42	3.99	3.21	2.72	7.07	1.71	47.83
1875	1.03	2.24	1.86	3.52	3.46	4.54	3.69	3.92	7.10	3.17	6.35	3.37	44.25
1876	4.11	5.22	.72	1.73	4.60	7.27	4.02	2.80	1.78	6.84	1.76	4.22	45.07
1877	1.83	8.29	3.31	3.39	.83	8.78	3.37	3.39	2.41	2.23	5.56	.49	42.88
1878	8.06	8.28	.99	5.97	6.96	4.93	5.95	.79	2.26	3.34	5.03	2.53	55.09
1879	5.29	7.29	4.76	2.10	3.02	3.56	6.02	.85	4.77	3.03	7.15	1.88	49.72
1880	.77	2.71	3.93	2.95	3.12	2.82	2.41	1.71	.72	6.14	2.52	1.75	51.55
1881	3.08	2.23	2.05	3.13	4.46	5.77	1.71	2.74	6.13	2.99	.77	3.25	40.31
1882	2.78	3.50	3.42	4.12	4.15	2.80	2.40	5.34	1.41	2.69	1.28	9.18	43.27
1883	1.87	1.17	1.88	3.12	3.32	1.70	2.26	4.25	2.56	2.41	.28	1.31	26.13
1884	5.33	2.01	3.24	4.84	6.38	4.23	4.46	2.89	4.73	5.47	4.78	.42	48.78
1885	3.41	3.02	4.92	5.33	3.22	1.25	3.46	4.02	4.14	1.60	6.03	1.75	42.15

PRECIPITATION RECORDS

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BOSTON, MASS. (Chestnut Hill Reservoir) (b)(c)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	5.87	6.42	2.34	7.17	7.89	3.55	2.71	3.41	1.38	2.59	3.52	3.03	49.88
1887	3.21	4.05	5.82	5.57	4.44	5.20	4.74	1.69	2.08	3.69	3.35	1.35	45.55
1888	3.21	2.75	3.86	3.88	3.34	5.55	2.44	5.90	2.58	2.16	6.92	9.42	51.79
1889	4.54	8.17	5.36	6.50	1.93	2.37	3.82	4.78	3.31	9.53	4.51	5.30	60.12
1890	3.85	6.23	2.66	2.52	3.12	7.64	2.98	5.80	2.60	2.43	3.37	4.89	48.04
1891	8.79	1.37	4.76	6.93	5.24	5.63	2.98	2.05	4.04	3.44	4.04	3.05	52.42
1892	5.70	2.70	3.73	4.45	2.78	3.95	.75	6.08	3.89	3.35	5.92	2.16	45.46
1893	2.39	5.26	1.29	2.74	8.51	3.15	3.32	5.77	2.33	2.10	6.53	1.85	45.04
1894	3.70	2.00	4.91	3.90	3.81	1.14	3.24	4.27	.20	3.53	2.27	2.50	35.27
1895	6.04	3.41	4.06	3.91	.88	2.91	4.60	2.58	2.21	3.55	3.91	2.15	40.21
1896	9.21	7.69	2.33	2.80	5.45	5.53	1.72	1.85	2.98	3.00	2.74	7.16	52.46
1897	3.49	3.61	1.89	4.09	2.79	3.08	3.23	4.40	4.53	4.38	4.68	3.22	43.39
1898	.53	6.74	4.50	5.60	5.58	2.20	6.17	4.45	2.36	5.57	6.06	1.77	51.53
1899	7.38	7.42	2.93	4.51	5.01	7.05	1.47	.91	2.73	3.70	3.81	5.38	52.50
1900	3.05	2.59	1.75	4.38	8.74	5.03	2.24	5.41	2.90	2.68	2.15	4.12	45.04
1901	3.79	5.30	2.85	1.72	.77	7.25	8.21	7.14	1.23	6.40	4.15	3.25	52.06
1902	3.01	2.83	8.25	1.98	7.76	5.27	3.97	1.11	2.74	3.52	2.98	3.31	46.71
1903	4.64	1.56	5.43	3.95	4.60	6.62	4.33	.79	8.14	3.54	4.01	2.96	50.57
1904	4.87	1.53	3.01	5.64	2.96	2.79	9.18	3.28	2.75	1.48	2.74	5.75	45.98
1905	2.21	1.81	2.81	5.49	2.27	3.54	3.08	1.65	5.58	1.92	3.47	5.93	39.36
1906	1.53	2.51	4.27	3.65	3.17	7.42	2.62	5.43	3.56	4.13	1.82	2.92	43.03
1907	3.71	3.37	5.36	3.80	3.31	2.44	3.72	4.06	3.39	1.49	1.79	10.02	46.46
1908	3.65	7.91	6.25	4.50	6.22	4.18	2.64	4.56	1.28	4.18	5.56	1.22	52.15
1909	4.54	1.17	3.46	4.79	6.61	4.27	3.98	2.44	4.12	1.10	4.11	5.79	46.18
1910	1.58	4.89	4.39	6.11	5.69	1.26	3.57	2.03	5.36	1.93	1.18	2.65	40.54
1911	1.69	4.77	2.91	3.05	3.43	3.27	2.55	.58	3.84	4.69	5.01	3.59	39.38
1912	3.22	4.40	3.65	3.64	2.48	5.56	3.92	4.06	.34	6.39	2.24	1.72	41.42
1913	1.61	3.00	5.20	3.38	2.71	5.42	4.90	3.46	1.04	2.25	4.56	3.07	40.60
1914	6.48	2.69	3.35	3.96	4.34	4.42	6.19	2.77	1.73	2.77	3.85	.36	42.66
1915	1.71	2.94	3.98	6.89	3.44	T	2.92	1.48	5.42	6.75	6.59	1.02	42.94
1916	2.90	2.38	5.33	1.87	5.65	4.18	4.74	3.56	6.03	5.19	2.78	1.45	46.06
1917	1.27	1.88	3.31	3.69	2.68	4.81	3.01	5.32	3.82	1.00	7.50	1.98	40.27
1918	6.38	1.08	2.35	3.46	4.04	1.98	4.50	1.17	2.40	3.93	1.68	9.34	42.31
1919	1.25	1.88	4.18	3.16	3.89	5.04	3.09	4.99	1.51	5.08	4.75	6.96	45.78
1920	2.55	5.13	2.00	3.67	7.16	4.16	6.10	4.80	6.26	1.76	1.75	3.12	48.46
1921	1.23	6.09	4.48	2.78	3.81	2.74	6.50	2.41	4.67	8.46	1.48	1.73	46.78
1922	1.09	6.72	2.65	1.64	3.75	5.44	1.58	5.33	9.80	3.41	5.32	4.12	51.44
1923	2.61	1.19	4.61	7.95	3.15	3.44	5.43	.96	2.47	3.22	1.56	.56	36.81
1924	4.08	3.34	5.34	3.60	2.99	2.36	5.26	3.01	1.27	1.88	6.20	8.77	48.10
1925	.12	1.72	1.63	4.95	1.98	6.06	2.77	2.39	4.41	4.51	.91	3.55	34.80
1926	4.09	3.55	6.03	2.80	6.34	2.85	2.19	2.83	1.57	4.21	3.80	1.16	41.42
1927	3.77	4.51	3.79	2.85	3.68	1.43	1.58	3.06	2.20	5.11	7.82	2.71	42.51
1928	4.09	5.51	5.49	2.63	3.63	1.79	5.55	3.37	6.58	4.54	2.91	4.26	50.35
1929	3.79	2.08	2.63	4.18	4.51	2.90	9.19	3.28	3.32	1.59	1.57	1.40	40.44
1930	2.68	2.98	3.88	3.03	2.30	3.37	2.17	3.21	1.99	3.71	2.86	.51	32.69
1931	6.02	4.15	3.10	3.78	3.47	4.93	3.06	4.42	9.14	1.89	5.77	1.90	51.63
1932	2.33	.92	3.16	5.16	2.32	5.58	1.77	1.47	2.27	1.83	4.85	5.15	37.21
1933	8.14	5.62	2.06	2.37	4.41	6.62	6.27	2.90	1.83	2.04	3.27	10.92	56.45
1934	3.61	.96	3.48	3.83	3.97	5.34	2.92	2.58	4.47	1.87	2.14	6.68	41.85
1935	3.31	3.02	2.70	7.82	3.01	1.63	5.61	1.85	6.42	1.67	2.47	3.45	42.76
1936	.64	4.98	.94	7.15	3.43	7.10	3.38	1.82	2.05	1.55	6.01	4.27	43.32
1937	3.21	1.62	8.31	4.07	1.55	3.67	4.84	3.00	3.26	1.06	4.60	3.71	42.90
1938	4.48	5.24	4.15	4.13	2.42	2.46	2.83	4.63	7.27	9.73	2.99	6.81	58.14
1939	2.83	2.83	2.85	2.23	3.88	5.23	4.76	1.33	3.75	.79	3.50	1.24	35.22
1940	5.05	1.21	3.27	2.16	4.55	3.67	4.99	3.50	1.79	3.85	1.81	2.73	38.58
1941	.87	6.36	2.58	3.03	1.66	2.10	1.64	2.27	3.97	3.35	3.00	.47	31.30
1942	2.00	2.69	3.26	3.64	3.65	6.98	1.58	2.09	3.87	5.10	2.35	2.21	39.42
1943	3.23	5.10	4.83	3.43	1.41	4.08	3.50	5.16	2.39	3.56	1.29	2.23	40.21
1944	5.18	2.98	1.37	1.77	2.69	4.38	3.77	.43	4.62	2.62	1.90	6.20	37.91
1945	3.33	6.47	3.28	4.25	3.93	2.24	2.66	5.15	7.96	2.39	3.14	1.21	46.01

BOSTON, MASS. (West Roxbury) (a)
 Lat. 42°16'55", Long. 71°09'00". Elevation, 185 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	3.03	2.38	4.71	3.52	3.90	0.26	4.81	2.94	1.55	
1913	1.48	2.94	5.02	2.88	2.66	5.00	4.70	2.95	1.68	2.82	6.41	2.72	41.26
1914	6.86	2.45	3.29	3.71	3.31	3.74	5.74	2.93	1.40	2.69	3.54	.27	40.05
1915	1.64	2.65	3.73	6.79	3.17	T	2.93	1.39	1.74	10.39	5.89	.79	41.11
1916	2.80	2.90	5.57	1.39	5.02	3.48	4.30	3.38	4.94	4.82	2.69	1.39	42.68
1917	1.11	1.94	3.40	3.03	2.43	4.39	2.50	5.22	4.21	.73	10.65	2.18	41.79
1918	5.96	.64	2.88	3.19	2.43	3.32	4.66	1.45	2.42	3.83	1.19	9.50	41.47
1919	.96	1.91	3.46	3.43	2.97	4.86	2.79	4.25	1.18	4.48	6.02	6.48	42.89
1920	2.51	4.84	1.54	3.02	6.65	3.83	5.75	4.86	6.29	2.88	3.76	3.00	48.93
1921	1.75	5.67	4.00	2.52	2.95	2.75	3.61	4.95	4.28	7.56	1.91	2.17	44.12
1922	1.31	6.80	1.66	1.61	3.19	5.73	1.46	5.29	9.44	5.54	4.85	50.02	
1923	2.26	1.03	3.17	6.12	1.86	2.90	5.62	.95	3.24	3.56	1.75	.62	33.09
1924	4.19	3.00	4.23	3.41	2.82	2.74	4.82	3.08	1.29	2.02	6.07	8.75	46.42
1925	.12	1.98	1.67	4.22	1.73	5.46	2.51	2.37	4.25	5.26	.87	3.81	34.25

HYDROLOGY OF MASSACHUSETTS

BOSTON, MASS. (West Roxbury) (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	4.74	3.71	5.35	-	-	-	-	-	-	-	-	-	-
1927	-	-	-	2.40	3.47	1.32	1.76	2.76	1.85	4.77	7.66	2.59	-
1928	4.74	5.12	5.29	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	3.45	3.09	2.54	6.63	3.66	4.78	4.91	1.59	1.51	-
1930	2.72	3.17	4.52	2.93	2.57	2.94	1.93	1.55	1.83	2.86	3.44	.86	30.82
1931	5.71	4.38	2.84	3.49	3.35	5.02	2.63	4.63	10.13	2.25	4.25	3.50	52.18
1932	2.49	.73	3.07	4.87	1.94	5.67	1.48	2.02	2.90	3.79	4.60	5.95	39.51
1933	7.84	5.42	1.73	2.24	3.45	6.27	7.56	2.91	1.74	1.70	3.77	10.73	55.36
1934	3.62	.90	4.08	3.22	4.02	4.84	3.05	2.17	4.11	2.13	1.90	5.69	39.93
1935	3.79	3.25	2.72	7.09	3.29	-	-	-	-	-	-	-	-

BOYLSTON, MASS. (c)
Lat. 42°21'30", Long. 71°42'40". Elevation, 530 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1896	-	-	-	2.12	7.30	4.44	1.89	2.45	2.53	4.83	2.23	7.60	-
1897	3.95	2.98	2.31	3.39	2.86	4.21	2.63	4.60	4.85	7.06	3.94	2.21	44.99
1898	.92	7.45	6.22	7.38	4.04	2.34	4.81	3.37	2.93	3.57	10.72	3.22	56.97
1899	6.76	7.50	3.75	3.27	5.18	6.83	2.08	1.64	5.49	3.33	3.18	4.63	53.64
1900	2.65	2.12	2.10	5.02	8.81	6.73	3.02	3.82	3.25	3.80	3.29	3.85	48.46
1901	1.87	6.44	3.34	1.93	1.20	6.18	9.25	7.05	1.13	6.03	4.62	3.34	52.38
1902	3.72	2.84	9.80	2.50	5.70	5.78	4.61	1.79	2.01	3.41	3.87	4.84	50.67
1903	5.72	1.11	7.19	3.27	4.67	6.58	3.29	.99	11.83	3.43	4.00	2.66	54.74
1904	4.72	2.17	4.13	4.80	2.72	3.21	8.35	2.58	2.94	3.63	3.67	4.57	47.49
1905	1.56	1.73	3.06	5.98	1.78	3.64	2.83	.66	5.18	6.07	3.09	7.84	43.42
1906	1.90	2.51	3.77	2.54	3.03	5.56	3.04	6.57	6.24	6.40	2.79	2.64	46.99
1907	3.19	2.66	4.18	3.06	2.27	2.05	3.26	3.11	3.64	2.48	1.61	10.10	41.61
1908	5.10	5.99	4.76	3.48	4.62	3.12	2.27	5.48	1.08	4.01	6.93	1.20	48.04
1909	2.87	1.07	3.02	3.45	6.22	4.65	5.68	2.90	3.10	4.07	3.42	4.72	44.67
1910	1.20	2.02	3.64	5.72	5.12	.92	2.76	1.67	4.52	1.53	4.13	3.14	36.37
1911	1.49	4.10	2.43	2.93	2.75	3.92	2.56	1.44	2.77	3.14	5.21	3.03	35.77
1912	4.46	4.17	3.09	2.90	2.72	5.94	4.26	5.81	.33	2.84	2.92	1.81	41.25
1913	2.52	4.11	4.79	3.27	2.66	5.18	4.07	3.86	1.05	2.20	2.27	3.92	39.90
1914	6.05	2.48	3.13	3.85	3.36	4.67	4.82	3.26	1.86	3.28	4.14	.13	41.03
1915	2.19	2.78	3.85	6.31	3.58	.04	1.47	1.59	3.69	9.18	7.00	1.10	42.78
1916	3.12	2.81	4.48	1.54	6.04	3.83	3.96	3.49	6.58	5.50	1.73	4.63	47.71
1917	1.42	2.88	2.76	3.37	2.73	4.81	1.80	4.17	4.23	1.47	5.96	1.28	36.88
1918	5.27	1.56	2.58	3.52	3.97	2.26	3.82	1.07	5.25	4.12	2.45	8.80	44.67
1919	1.55	2.80	3.47	2.94	3.86	5.13	2.65	5.23	2.17	4.69	3.89	6.23	44.11
1920	2.19	6.06	2.14	3.07	6.04	4.16	5.59	4.86	6.40	2.85	1.93	6.17	51.46
1921	.53	5.83	6.00	2.62	3.81	2.92	5.13	2.52	2.95	7.84	2.11	1.68	43.94
1922	1.72	8.68	2.55	2.14	3.39	5.96	1.89	4.71	9.02	4.55	6.12	2.61	53.34
1923	2.63	1.43	3.84	7.34	1.95	2.91	5.99	1.19	4.06	3.20	2.39	.77	37.70
1924	5.37	6.04	4.73	4.46	2.99	2.54	6.22	3.50	.99	2.23	4.24	5.20	48.51
1925	.08	3.14	1.84	3.79	2.10	5.87	3.23	2.28	3.60	3.78	2.35	3.83	35.89
1926	4.25	3.34	4.75	2.79	5.86	2.93	2.18	1.80	2.15	2.97	2.58	1.40	37.00
1927	4.20	5.21	4.13	3.16	4.64	1.56	1.96	3.18	2.20	6.14	9.58	3.27	49.23
1928	5.47	9.01	6.27	2.77	3.89	2.05	5.06	2.78	6.24	3.95	4.40	3.50	55.89
1929	1.96	2.43	2.26	4.34	4.12	3.39	5.94	4.38	3.46	.71	1.70	2.51	37.10
1930	3.28	3.24	3.56	2.34	2.16	3.74	1.79	2.86	1.99	4.23	1.70	1.83	32.72
1931	4.08	3.91	2.94	3.69	2.29	5.56	3.20	5.39	5.79	2.38	5.31	2.08	46.62
1932	2.58	1.19	3.76	5.66	3.12	4.89	2.14	1.42	2.58	2.74	5.15	7.84	43.07
1933	7.46	5.20	2.30	2.43	4.76	6.22	5.87	2.14	3.32	1.53	4.02	11.18	56.43
1934	3.14	1.54	4.17	4.04	4.51	4.31	4.42	4.36	4.93	3.64	2.24	10.59	51.89
1935	3.07	2.80	3.87	7.06	3.67	2.00	3.77	3.04	6.27	3.17	3.26	4.37	46.35
1936	.79	5.01	1.24	8.25	3.46	10.46	3.38	3.55	2.71	2.58	5.58	4.21	51.22
1937	2.37	1.82	8.17	5.14	2.14	3.58	5.35	3.91	4.21	2.08	4.14	3.72	47.11
1938	4.67	8.06	3.84	4.75	2.62	2.88	3.50	3.82	6.81	10.37	2.83	9.80	63.93
1939	2.23	3.42	3.31	2.84	4.23	4.96	4.40	1.63	4.47	2.56	4.40	2.83	41.28
1940	4.53	1.05	3.15	3.20	4.94	4.31	5.93	5.51	3.05	3.99	1.54	3.46	44.66
1941	1.08	7.23	2.66	3.77	2.23	2.65	.85	2.75	2.24	1.83	2.75	.69	30.73
1942	2.24	3.32	3.32	4.59	2.57	7.54	1.69	2.36	6.21	6.53	2.56	2.49	45.42
1943	2.72	5.84	5.96	3.72	1.61	3.91	3.69	5.18	2.29	5.18	1.50	.90	42.50
1944	6.46	5.19	.75	1.45	2.59	4.74	4.18	1.01	6.01	.75	1.56	5.39	40.08
1945	2.00	5.04	3.46	4.35	4.45	2.89	3.61	5.13	6.06	4.55	4.02	2.32	47.88

BRAINTREE, MASS. (a)
Lat. 42°13'10", Long. 71°00'50", Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	1.70	2.90	3.37	4.03	3.06	8.11	1.66	2.42	3.30	6.51	2.31	2.81	42.18
1943	3.38	6.19	4.65	4.23	1.78	3.61	3.62	5.24	2.24	3.14	1.16	2.55	41.79
1944	5.38	3.57	1.29	1.89	2.54	4.87	4.07	.32	5.75	3.44	.91	9.22	43.35
1945	3.70	7.17	3.33	4.44	4.93	2.59	2.54	5.81	6.14	3.40	5.06	1.44	50.55

PRECIPITATION RECORDS

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BRIDGEWATER, MASS. (State Farm.) (a)
Lat. 41°56'45", Long. 70°57'10". Elevation, 60 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	-	-	-	-	-	-	-	-	0.96	4.40	2.72	2.20	-
1915	2.29	3.67	5.33	9.22	3.28	0.03	1.85	2.47	2.95	2.74	5.33	1.97	41.13
1916	3.01	2.50	5.24	1.78	4.37	3.20	4.77	4.79	5.03	10.10	1.57	2.81	49.17
1917	2.80	2.76	3.20	3.61	2.03	5.34	3.76	5.70	5.22	1.64	6.82	3.23	46.11
1918	6.53	.41	3.68	3.40	3.50	2.58	5.76	.92	3.04	4.62	1.66	7.08	43.18
1919	.65	2.06	3.66	4.27	3.65	3.98	3.62	5.02	1.45	6.00	6.96	7.64	48.96
1920	2.39	4.30	2.30	2.71	4.89	4.27	5.18	4.95	6.82	3.45	3.53	3.51	48.40
1921	1.90	4.46	3.31	2.11	1.88	1.65	4.95	2.53	2.63	9.56	2.42	1.30	38.60
1922	1.05	7.30	2.54	2.23	3.05	5.97	1.69	4.94	5.67	5.95	10.34	3.45	54.24
1923	2.83	1.28	3.40	6.83	1.56	4.06	5.19	1.11	2.67	3.39	3.92	1.49	37.73
1924	4.38	2.08	5.39	4.07	3.27	4.19	5.32	2.44	2.82	1.30	7.22	3.99	46.47
1925	.13	1.45	1.99	4.15	1.85	2.91	1.65	2.46	2.43	5.46	1.93	4.50	30.91
1926	4.25	3.69	4.31	2.89	5.04	3.51	2.38	2.59	2.64	3.20	2.65	1.48	38.63
1927	6.04	5.48	3.58	2.60	3.52	1.40	1.86	2.03	1.89	3.81	8.60	2.57	42.18
1928	2.55	2.45	5.21	2.50	3.68	2.30	3.92	1.84	4.04	4.80	1.74	4.24	39.27
1929	4.03	2.09	2.88	3.05	3.64	4.33	7.85	3.63	.62	2.69	2.38	3.31	40.50
1930	2.56	3.57	4.42	3.16	3.01	2.05	1.29	1.94	2.50	3.16	2.31	.56	30.53
1931	4.01	3.89	2.89	3.17	2.81	6.47	2.72	5.53	5.89	4.71	6.50	1.81	50.39
1932	3.29	.63	3.56	5.50	1.93	5.68	1.18	2.50	4.55	2.29	6.29	6.25	43.45
1933	5.60	7.35	1.71	3.03	3.25	7.99	7.43	2.26	1.14	2.48	3.45	13.62	59.31
1934	2.49	2.21	3.54	2.83	3.76	4.80	5.62	2.52	3.47	1.79	1.73	3.44	26.00
1935	3.18	3.61	2.86	5.65	2.87	1.74	5.26	1.92	4.75	3.16	1.64	3.65	40.29
1936	1.46	5.54	1.22	6.79	2.72	6.83	3.74	1.10	3.26	2.10	4.40	8.00	47.16
1937	2.23	.79	10.94	5.85	1.03	3.68	4.74	2.50	4.16	1.05	5.39	3.46	45.82
1938	4.17	5.26	4.91	3.89	2.48	2.51	2.78	3.71	8.18	6.08	1.01	6.66	51.64
1939	3.12	2.68	3.58	2.95	2.65	5.19	5.00	1.17	3.68	1.15	3.69	2.45	27.11
1940	5.06	1.52	1.87	2.38	4.00	1.99	7.26	4.68	1.59	3.01	.70	3.82	37.38
1941	1.47	7.81	2.51	3.89	2.23	2.52	2.34	1.74	3.70	3.84	2.84	.21	35.10
1942	1.94	2.05	3.00	3.25	2.65	7.74	.99	1.30	3.48	4.82	3.87	1.82	36.91
1943	3.93	4.56	4.00	2.09	1.70	3.06	3.50	5.16	1.82	3.32	2.75	1.67	37.53
1944	4.01	2.97	1.18	2.39	2.47	4.71	3.91	.53	3.64	.95	1.05	7.79	35.60
1945	2.50	7.36	3.20	4.46	4.57	2.17	4.99	5.17	2.46	2.27	1.27	42.79	

BRIDGEWATER, MASS. (State Farm.) (b)
Lat. 41°57', Long. 70°57'. Elevation, 60 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	2.87	4.22	3.52	6.99	4.30	1.52	3.34	.60	3.42	-
1941	1.47	-	2.45	3.23	-	-	2.12	2.61	4.19	4.39	1.77	1.03	-
1942	2.15	2.21	2.96	3.83	2.81	7.35	.79	1.42	3.33	4.66	3.38	-	-
1943	2.44	3.67	3.41	2.98	1.80	2.91	3.41	4.67	-	3.34	2.13	1.37	-
1944	3.72	3.08	1.15	2.32	1.70	4.33	3.63	.50	3.47	.82	1.00	7.42	33.14
1945	2.30	6.97	3.27	3.90	4.15	2.13	2.29	4.78	4.66	2.24	2.14	1.02	39.85

BRIMFIELD (West) MASS. (b)
Lat. 42°07', Long. 72°15'.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	3.02	2.07	4.51	5.54	5.95	2.50	-	-	-	-
1941	-	-	3.08	1.81	2.43	1.15	.82	2.65	5.15	5.09	-	-	-
1942	-	-	-	3.21	1.49	-	-	-	-	-	2.87	2.50	-
1943	3.40	6.20	-	-	1.81	2.56	3.22	-	-	4.29	1.17	.72	-
1944	4.30	4.54	.75	1.33	1.97	3.77	3.82	.66	6.15	.89	2.28	7.62	38.08
1945	1.72	4.49	3.38	2.85	3.21	2.36	3.68	5.07	6.34	5.55	4.89	1.76	45.30

BROCKTON, MASS. (City Hall, roof gage) (b)
Lat. 42°04'55", Long. 71°01'05". Elevation, 200 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1894	-	-	-	2.78	2.88	1.34	2.45	3.32	0.68	2.08	1.26	2.85	-
1895	6.18	4.37	5.24	3.46	.70	3.17	4.77	2.51	2.33	4.54	3.81	4.53	45.61
1896	5.37	7.54	2.59	1.69	3.68	5.68	1.19	1.79	3.53	1.57	2.14	6.26	43.03
1897	2.82	4.09	2.08	3.18	2.08	2.33	3.07	4.41	4.55	4.57	3.89	1.96	39.03
1898	.60	6.19	3.65	3.30	4.85	2.09	6.15	4.06	1.35	5.98	6.77	1.99	46.98
1899	7.77	6.23	1.94	4.86	3.26	5.59	1.14	1.72	2.88	4.52	1.40	9.56	50.87
1900	2.17	2.06	1.15	3.91	5.12	3.73	1.70	5.54	5.79	2.75	1.54	4.55	40.01
1901	3.48	4.28	2.11	1.64	.73	7.05	5.75	6.49	1.64	5.04	2.22	4.30	44.73
1902	3.29	2.05	7.65	1.89	3.13	5.59	2.48	1.17	4.35	2.12	2.92	3.93	40.57
1903	3.61	1.00	4.87	3.76	4.35	7.06	3.97	.75	4.75	2.42	3.38	.91	40.85
1904	3.91	1.87	3.16	4.52	3.55	2.29	8.00	2.85	2.43	2.81	2.69	5.35	43.43
1905	1.76	1.87	3.01	3.14	1.48	2.05	3.14	.97	4.40	1.64	2.49	5.28	30.93
1906	1.74	2.05	3.64	2.72	2.87	5.16	1.36	4.60	1.80	6.36	2.88	3.67	38.85
1907	4.93	1.82	2.82	3.29	2.47	1.79	3.73	3.54	2.18	1.48	1.52	8.50	38.07
1908	3.23	5.73	4.58	2.32	3.22	3.50	1.85	3.35	1.30	4.16	3.58	1.35	38.17
1909	5.30	1.07	2.98	4.62	4.34	2.89	5.37	2.68	2.99	1.51	2.52	4.43	40.70
1910	1.41	3.44	1.77	4.33	3.64	1.79	2.51	2.30	4.20	1.89	1.97	1.41	30.66
1911	1.71	4.24	2.32	2.58	2.65	2.94	2.50	1.85	2.93	4.51	5.49	2.90	36.62
1912	2.59	6.41	3.14	3.77	2.25	4.96	4.07	3.73	1.10	3.04	2.40	1.41	38.92
1913	1.42	3.31	6.13	3.01	3.15	4.86	5.49	2.29	1.54	3.02	2.61	3.27	40.10
1914	7.01	2.42	3.17	3.03	3.26	3.31	4.04	2.48	.86	3.89	3.65	.78	37.90
1915	1.98	2.71	3.47	6.49	3.45	T	1.41	2.87	2.51	4.50	4.14	.74	34.27

HYDROLOGY OF MASSACHUSETTS

BROCKTON, MASS. (City Hall, roof gage) (b) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	2.40	2.30	4.67	1.75	5.25	3.59	3.20	3.77	4.88	6.26	2.66	2.16	42.89
1917	2.38	1.76	3.58	3.00	1.80	3.75	2.34	4.21	4.91	1.28	7.25	2.77	39.03
1918	5.96	.46	2.18	3.18	2.41	2.45	4.04	2.54	2.46	3.76	1.34	10.27	41.05
1919	.96	2.18	3.51	3.65	3.44	4.01	3.00	4.33	.95	5.17	5.70	6.94	42.84
1920	2.67	5.29	2.24	3.11	4.65	4.63	4.81	4.39	6.13	3.49	3.04	2.00	46.45
1921	2.85	3.61	3.52	3.31	3.23	2.82	4.23	5.29	4.20	8.00	3.62	1.17	45.85
1922	.95	7.87	3.44	1.22	3.00	4.38	2.07	4.15	6.85	3.51	7.29	2.29	49.10
1923	3.18	.98	3.16	6.26	2.52	2.64	4.62	.91	2.92	3.19	2.97	1.25	34.40
1924	4.00	1.47	5.20	2.56	2.82	2.87	4.04	2.84	1.80	.96	6.19	4.88	39.53
1925	.15	1.42	1.61	3.34	1.49	3.27	2.25	1.68	.92	4.93	2.33	2.48	25.87
1926	3.38	3.51	4.33	2.44	5.32	1.74	2.19	3.29	1.69	2.70	3.92	1.13	35.64
1927	5.69	4.83	3.37	2.66	3.25	1.23	2.03	3.39	1.43	6.03	8.96	2.72	45.59
1928	3.73	3.92	4.48	1.70	2.93	2.47	4.68	2.19	4.48	5.42	2.20	4.84	43.04
1929	3.77	1.11	3.60	3.75	3.77	3.38	7.21	2.94	1.00	3.78	2.27	2.25	38.83
1930	2.17	3.52	3.78	3.53	3.40	2.51	.99	2.76	1.71	2.25	3.52	.13	30.27
1931	4.54	3.92	2.95	3.25	2.87	5.32	2.05	4.23	6.31	3.05	5.14	.92	44.55
1932	2.79	.85	2.80	4.52	1.75	5.50	1.34	1.83	2.77	3.31	5.28	5.03	37.57
1933	7.15	3.88	1.47	2.12	3.58	4.95	6.39	1.94	1.52	1.81	3.13	10.16	48.10
1934	3.22	.95	3.62	3.64	4.60	3.31	4.09	2.10	3.64	.65	1.58	3.19	34.59
1935	3.20	2.75	2.40	4.72	2.70	.85	6.38	1.75	5.26	1.30	2.78	2.15	36.24
1936	.49	4.50	1.24	5.99	3.49	4.87	2.58	1.72	2.49	2.71	4.25	6.69	41.02
1937	2.55	1.19	7.55	3.50	1.02	3.18	4.50	2.37	2.53	1.74	4.65	3.03	37.81
1938	2.79	3.56	3.77	3.78	2.46	2.22	2.43	3.29	7.20	7.48	2.45	5.44	46.82
1939	2.52	3.08	2.60	1.52	3.07	5.26	3.53	1.35	2.53	1.18	3.22	1.21	31.87
1940	4.35	1.02	2.11	2.43	5.06	5.85	5.97	2.46	2.53	2.95	.96	3.29	35.96
1941	.79	6.49	2.39	3.21	1.47	2.54	1.91	2.06	3.25	3.52	1.47	.74	29.84
1942	1.37	1.94	2.52	3.46	3.18	7.09	1.24	1.22	3.07	4.05	2.28	1.68	33.10
1943	2.74	4.27	3.44	2.56	1.32	2.48	2.93	4.25	2.13	2.15	2.74	.92	31.93
1944	2.81	2.67	.93	1.46	1.79	4.09	3.34	.17	4.68	.80	.71	7.89	31.34
1945	2.11	6.29	2.31	2.87	3.31	1.91	2.05	4.09	4.41	2.27	2.31	1.86	35.79

BROCKTON, MASS. (Sewage Disposal Works) (a)
Lat. 42°03'40", Long. 71°04'05". Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1894	-	-	-	2.87	3.00	1.38	3.29	3.82	1.25	2.56	0.98	2.93	-
1895	6.52	4.12	5.12	3.97	1.05	3.14	5.40	2.66	1.65	5.02	3.08	3.97	45.70
1896	6.04	7.56	2.95	2.14	3.80	4.68	.97	2.21	3.49	1.53	2.03	7.25	44.65
1897	2.77	3.92	2.00	2.43	1.80	2.33	2.92	4.10	4.68	4.43	4.24	1.75	37.57
1898	.51	6.18	3.76	3.08	4.65	1.97	5.36	3.89	1.46	6.52	6.73	1.79	45.90
1899	8.00	5.65	2.07	4.77	3.22	6.39	1.23	1.54	3.02	4.39	1.29	10.09	51.76
1900	2.518	1.44	1.52	3.95	6.16	4.49	1.59	4.96	5.04	2.70	2.22	4.37	40.95
1901	3.19	4.64	2.60	1.99	.87	7.48	6.67	6.59	1.53	4.93	2.03	4.44	46.96
1902	3.59	2.56	7.95	1.81	2.85	5.97	2.55	.82	3.29	2.12	1.78	2.65	37.92
1903	3.39	1.58	4.50	4.01	4.12	7.09	3.45	.48	4.54	3.08	3.03	1.07	39.95
1904	3.70	1.28	2.77	3.47	3.20	2.26	6.98	3.12	2.48	1.95	3.07	5.02	39.28
1905	2.05	1.61	2.28	2.60	1.32	2.02	3.10	.96	3.93	2.18	2.50	5.13	29.68
1906	1.83	1.99	4.28	2.71	2.33	4.55	1.78	4.74	1.59	5.36	3.08	4.31	38.55
1907	4.84	1.95	3.25	2.14	2.06	1.59	3.32	3.02	1.79	1.67	1.04	8.12	34.79
1908	3.17	4.65	4.65	2.27	3.47	2.96	1.52	3.19	.99	3.80	3.06	1.28	34.97
1909	4.39	.47	2.93	3.55	4.96	3.33	5.26	1.91	2.22	.96	2.29	5.27	37.54
1910	1.27	3.27	1.77	4.50	3.70	2.38	2.87	2.52	5.20	2.19	1.97	1.35	32.79
1911	2.47	4.76	2.56	-	-	-	-	-	-	-	-	-	-
1920	-	-	2.19	3.09	5.83	4.69	4.57	5.55	7.25	3.42	3.98	3.16	-
1921	1.49	4.79	4.09	3.51	2.52	3.26	5.72	3.88	5.00	8.02	3.49	2.00	47.77
1922	1.04	6.93	2.60	1.90	2.98	5.67	1.51	5.33	10.93	4.13	7.53	2.58	53.13
1923	3.29	1.04	3.22	7.16	1.72	3.69	5.69	1.10	3.94	3.33	3.49	1.27	38.94
1924	4.39	2.60	5.53	3.71	3.51	3.38	5.56	2.43	1.75	1.96	6.87	5.47	47.16
1925	.15	1.66	1.81	3.58	2.05	4.51	2.17	2.32	1.20	4.57	1.30	2.94	28.06
1926	4.26	4.98	3.84	3.12	4.59	2.79	1.83	3.67	1.92	3.31	4.33	1.22	39.86
1927	6.52	5.84	3.37	2.45	3.33	2.70	1.91	2.85	2.17	5.58	10.40	2.85	49.00
1928	3.77	5.01	5.32	2.41	3.48	1.80	4.44	2.41	5.09	4.79	2.85	5.02	46.39
1929	4.40	2.03	2.84	3.85	3.75	8.07	3.60	.83	3.06	2.01	2.87	40.87	
1930	3.38	3.80	4.76	3.46	2.77	3.25	1.74	2.98	1.83	2.89	2.93	.32	34.11
1931	5.05	4.62	2.71	3.57	2.74	5.87	2.86	5.09	6.77	3.17	5.93	1.42	49.80
1932	2.93	.92	3.48	5.29	2.19	5.71	1.36	2.09	2.18	3.52	7.51	5.37	42.55
1933	6.83	4.91	1.59	2.28	3.70	6.10	5.83	2.79	1.84	2.80	3.01	9.38	50.86
1934	3.29	1.21	4.15	4.30	3.78	4.53	5.45	2.78	4.01	1.01	2.18	3.73	38.42
1935	3.48	3.54	2.89	4.52	3.02	1.75	6.29	1.85	5.60	1.63	3.36	2.54	40.47
1936	.95	4.57	1.23	6.57	3.75	7.18	3.53	2.04	2.62	1.83	4.69	7.93	46.89
1937	1.91	1.37	9.61	4.07	1.13	3.43	4.74	2.28	3.35	1.11	6.84	4.79	44.63
1938	4.09	4.70	3.65	4.50	2.61	2.94	2.67	4.46	8.43	8.93	2.71	7.43	57.12
1939	2.86	3.03	3.18	2.47	4.36	5.44	4.67	1.35	3.19	.83	3.93	1.84	37.15
1940	5.07	1.19	3.11	2.45	3.63	4.04	6.82	4.15	1.88	3.38	1.52	4.05	41.29
1941	1.06	7.02	2.71	3.45	2.36	2.26	2.10	2.82	4.74	4.27	2.76	.26	35.81
1942	1.60	2.49	3.11	3.57	3.09	8.03	1.33	1.81	3.14	6.15	3.28	2.03	39.63
1943	3.25	5.02	4.52	3.93	1.71	3.21	3.79	4.64	2.76	2.43	3.72	1.70	40.58
1944	3.58	3.58	1.08	2.16	1.99	4.98	4.07	.38	5.32	.90	1.16	8.55	37.55
1945	2.75	7.45	3.14	3.54	4.39	2.39	2.32	4.44	5.67	2.78	2.75	2.28	44.00

PRECIPITATION RECORDS

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CAMBRIDGE, MASS. (City Hall, roof gage)
Lat. 42°22'05", Long. 71°06'25". Elevation, 75 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1900	-	-	-	3.78	7.52	4.51	1.69	4.65	2.18	2.25	2.88	4.09	-
1901	3.20	4.86	2.23	1.63	.88	6.49	7.72	6.77	1.28	4.70	3.87	3.55	47.18
1902	2.65	2.88	7.29	2.00	6.59	4.95	3.24	1.04	2.22	3.48	2.81	2.46	41.61
1903	4.34	.93	6.69	3.91	4.09	5.32	3.57	.20	6.33	2.97	3.09	2.43	43.87
1904	3.12	1.26	3.14	5.61	3.28	2.43	10.07	3.96	2.67	1.88	2.49	6.46	46.37
1905	1.87	2.05	3.25	5.43	1.59	3.21	3.05	1.86	4.80	.93	3.59	7.27	38.92
1906	1.86	2.36	3.88	2.72	3.60	7.52	2.28	5.11	2.82	5.03	1.88	2.43	40.99
1907	5.45	3.11	4.81	2.91	2.86	2.66	5.46	3.58	3.64	1.71	1.77	8.70	42.44
1908	3.16	6.70	4.63	3.25	4.42	3.69	2.53	4.41	1.28	3.81	4.62	.97	45.47
1909	3.72	.96	2.63	4.35	5.40	3.65	4.27	2.04	4.21	1.33	3.67	5.33	41.56
1910	1.28	4.01	3.22	5.27	4.85	1.49	2.62	1.20	4.73	1.26	.77	2.28	32.98
1911	.98	4.01	2.07	2.70	2.85	3.15	2.28	.31	3.81	4.12	4.60	3.45	34.33
1912	2.54	4.49	3.65	2.89	2.32	4.78	3.53	4.08	.28	6.96	2.38	1.76	39.66
1913	1.40	3.20	5.60	2.73	3.56	5.21	5.17	3.40	.95	2.77	3.18	2.88	40.05
1914	6.71	2.35	3.22	3.53	3.79	4.34	8.10	2.63	1.93	2.64	3.35	.25	40.84
1915	.24	2.72	3.55	6.33	3.73	T	3.08	2.32	1.57	10.11	6.91	.74	41.80
1916	2.71	2.19	5.09	1.43	5.42	3.74	4.74	3.13	5.17	4.47	2.54	1.81	42.44
1917	1.08	1.73	3.56	3.14	2.75	4.21	3.01	4.55	4.06	1.14	7.91	1.79	38.79
1918	6.41	.31	2.50	2.84	2.52	3.54	5.37	2.09	2.28	3.46	1.86	10.23	41.91
1919	1.54	1.86	3.65	3.95	3.27	4.41	2.73	4.45	1.06	4.34	4.76	5.91	41.93
1920	2.20	5.88	1.61	2.82	6.52	3.60	5.47	4.31	6.29	1.45	1.28	2.67	43.90
1921	1.58	6.58	4.88	2.39	3.15	1.89	4.87	4.23	4.19	11.85	1.27	1.03	47.91
1922	.78	7.53	2.79	1.54	2.68	4.86	2.54	4.74	9.88	3.21	4.53	3.63	48.71
1923	2.60	1.10	3.01	6.27	1.71	2.54	6.13	.87	2.07	3.89	3.25	.45	33.89
1924	3.85	3.87	4.60	2.92	2.55	2.11	3.88	2.91	1.75	3.10	7.98	10.16	49.48
1925	.08	2.63	2.79	4.15	1.85	6.36	2.51	2.38	4.51	3.82	1.60	3.77	36.45
1926	3.40	3.17	4.65	2.93	4.74	3.04	1.78	3.40	1.59	6.35	3.70	.92	39.67
1927	3.44	3.76	4.16	2.67	3.70	1.21	1.33	2.72	2.61	4.00	6.80	2.40	38.82
1928	4.00	4.71	5.45	1.98	3.08	1.33	4.97	3.04	5.83	3.62	2.43	4.30	44.74
1929	3.68	1.77	3.15	4.11	4.28	2.98	7.45	2.75	3.63	1.40	3.00	.82	39.02
1930	2.42	3.21	3.89	2.61	2.79	2.91	1.85	3.24	1.81	3.61	2.69	.34	31.37
1931	5.64	3.88	2.98	4.44	3.50	4.87	2.88	4.10	8.99	1.90	4.93	1.05	49.16
1932	2.31	1.06	3.67	4.59	2.75	5.63	1.69	1.55	2.59	1.88	5.02	5.03	37.77
1933	7.96	5.53	2.00	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	56.41
1934	3.11	.65	2.83	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.87	34.48
1935	2.94	1.78	1.64	-	-	-	-	-	-	-	-	-	-

CAMBRIDGE, MASS. (Fresh Pond, Cambridge Water Board)
Lat. 42°25'00", Long. 71°08'35". Elevation, 40 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1879	-	-	4.67	2.25	2.92	4.26	5.13	1.22	4.58	2.76	5.93	1.50	-
1880	0.67	2.99	3.76	2.62	3.49	2.85	1.94	1.44	.73	6.49	3.48	1.63	32.09
1881	2.88	2.25	1.98	5.03	4.14	6.07	1.83	3.32	6.27	3.41	1.13	2.74	40.80
1882	2.85	4.08	3.30	4.73	4.48	2.49	2.27	4.93	2.73	2.08	1.41	7.80	43.15
1883	2.18	1.21	1.87	2.94	2.85	1.76	2.48	4.10	2.28	2.38	.34	1.18	25.57
1884	5.61	1.96	2.94	4.81	6.67	4.91	4.22	3.18	3.79	4.56	4.76	.70	48.11
1885	2.90	2.63	4.60	5.43	2.94	1.06	5.61	3.77	4.10	1.72	5.21	1.78	39.75
1886	5.56	9.20	1.82	6.41	7.35	3.49	2.43	3.92	1.48	3.54	3.20	4.64	53.04
1887	3.62	4.22	5.23	5.28	4.66	4.46	3.94	1.79	1.86	4.19	4.10	1.36	44.71
1888	3.22	3.90	4.22	3.32	3.95	5.55	2.60	6.36	3.25	2.87	7.08	8.28	54.60
1889	4.83	7.70	6.67	6.64	5.81	3.29	3.73	5.65	3.44	8.53	3.78	5.30	62.37
1890	3.73	6.51	3.66	2.94	5.22	7.02	4.83	6.09	3.51	2.77	3.48	4.05	53.51
1891	9.31	1.28	4.40	6.66	4.61	5.74	2.72	2.44	4.01	3.06	3.68	2.73	50.66
1892	5.10	3.08	8.78	4.32	2.46	3.56	.77	6.06	4.23	2.53	6.11	1.84	46.84
1893	2.15	4.04	1.23	1.87	6.43	2.50	8.25	7.30	2.18	2.26	5.95	1.76	40.92
1894	6.77	1.99	5.23	3.05	2.91	1.84	2.94	4.52	.81	2.88	1.65	2.40	33.08
1895	5.19	3.34	4.43	3.57	1.07	2.66	4.15	2.39	2.76	3.28	4.71	1.83	39.40
1896	10.16	6.09	1.90	2.45	5.62	4.37	1.70	2.42	2.33	2.65	2.45	6.29	48.44
1897	3.10	3.53	1.63	3.32	2.36	2.66	2.82	4.24	5.16	4.68	5.06	3.22	41.78
1898	.55	6.83	4.31	4.75	3.61	2.03	6.22	3.92	1.82	4.50	7.34	1.78	47.66
1899	7.22	4.92	2.00	3.85	3.99	5.94	1.32	.77	3.17	3.12	3.21	4.63	44.14
1900	3.08	2.20	1.30	4.40	7.34	5.10	1.99	5.52	2.75	2.31	2.80	4.40	43.19
1901	3.75	5.23	1.74	1.55	.79	6.89	8.80	6.96	1.33	4.70	4.17	3.74	49.65
1902	2.38	2.67	7.71	1.97	4.29	6.16	5.56	1.06	2.40	3.14	3.62	5.35	42.82
1903	4.85	1.37	4.37	3.19	3.50	4.89	3.98	.35	8.46	3.72	3.81	1.72	44.01
1904	4.54	1.70	2.87	5.00	3.00	2.35	8.57	3.58	2.74	1.70	2.53	5.87	44.45
1905	1.85	2.83	1.92	3.47	1.09	2.52	2.87	1.30	4.41	1.86	3.06	5.97	33.15
1906	1.30	2.91	3.63	2.46	2.73	5.67	2.02	5.73	3.81	3.26	1.43	2.31	37.26
1907	2.86	2.80	4.10	2.46	1.59	1.91	2.64	2.86	2.66	1.20	.69	7.92	33.69
1908	2.57	5.95	3.87	2.28	3.39	2.97	1.54	3.03	.70	3.21	3.40	.64	34.55
1909	3.16	.58	2.27	3.92	4.81	3.41	3.41	1.53	3.45	1.45	3.03	5.11	36.13
1910	.88	3.15	3.11	4.53	4.44	.88	2.46	1.31	4.44	1.87	.84	2.51	50.42
1911	1.08	3.72	2.09	2.64	2.82	3.08	2.27	.44	3.66	4.86	4.01	3.12	33.79
1912	1.14	3.32	3.43	2.72	2.24	4.39	1.98	3.13	.19	7.34	1.57	1.71	33.16
1913	1.32	2.01	3.65	2.16	2.28	3.24	4.31	3.50	.97	2.63	3.09	2.26	31.42
1914	6.84	2.40	2.86	3.52	2.60	4.26	5.46	2.63	1.41	2.53	2.57	.51	37.59
1915	1.31	2.54	3.02	6.43	2.70	.00	2.79	1.57	5.03	6.50	6.85	1.05	39.79

CAMBRIDGE, MASS. (Fresh Pond, Cambridge Water Board)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	2.04	1.83	3.03	1.06	4.87	3.28	4.18	2.81	6.19	3.23	2.18	1.14	35.64
1917	1.04	1.63	2.62	2.89	4.06	5.48	3.31	4.38	3.40	4.46	4.76	1.61	35.64
1918	5.48	.90	2.08	2.61	5.51	3.64	3.98	.79	2.94	3.95	1.71	8.36	41.95
1919	.47	1.90	3.20	3.52	2.97	3.02	2.70	4.27	.67	5.19	4.16	6.06	38.13
1920	1.94	5.06	1.61	2.46	7.50	3.58	4.91	4.02	5.90	1.49	1.01	2.70	42.18
1921	1.02	5.38	3.68	2.26	5.42	2.73	6.06	1.87	4.23	11.75	1.39	1.40	47.17
1922	.89	5.72	1.38	1.44	2.71	4.81	1.54	4.70	9.78	2.91	3.96	3.61	43.45
1923	2.40	.85	5.57	7.94	2.82	2.14	3.97	.56	1.85	2.68	1.99	6.35	33.12
1924	3.11	2.89	3.87	3.41	2.02	1.56	3.40	2.16	1.46	1.67	6.47	7.28	39.30
1925	.90	2.03	1.10	3.87	1.56	2.73	1.76	1.78	3.80	3.24	.75	2.40	25.02
1926	3.48	3.96	4.86	2.85	7.39	2.81	1.30	2.77	1.46	5.78	5.09	.88	42.43
1927	3.70	4.39	3.96	2.57	3.57	1.33	1.09	2.39	2.62	6.51	4.55	1.69	38.37
1928	3.93	4.74	5.23	1.55	3.00	1.05	4.03	2.28	6.08	4.36	2.34	4.18	42.87
1929	3.45	1.76	1.61	2.60	3.92	2.17	8.13	3.18	3.09	.90	1.69	2.97	35.47
1930	1.18	2.41	2.81	2.11	1.78	2.61	1.95	2.33	1.69	3.70	2.43	2.57	27.57
1931	.33	4.65	4.48	2.93	3.53	5.68	2.14	4.28	8.84	1.31	4.92	3.67	46.76

CAMBRIDGE, MASS. (Harvard College Observatory.)
Lat. 42°23', Long. 71°08'. Elevation, 75 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1841	-	-	-	4.90	1.81	3.14	4.71	1.99	0.66	3.02	6.15	3.27	-
1842	3.72	2.76	5.14	.78	3.18	2.78	3.36	2.53	5.84	1.42	5.60	3.34	40.43
1843	1.26	4.14	6.64	2.26	6.56	5.83	4.13	2.17	5.38	2.47	8.75	1.52	51.11
1844	5.81	4.26	3.34	4.48	2.03	5.84	.34	3.08	1.77	2.90	3.35	4.50	41.70
1845	3.27	4.60	1.22	3.93	3.78	3.67	1.48	2.63	3.15	4.07	2.53	2.58	36.81
1846	4.22	10.43	6.71	2.60	1.50	1.56	1.50	3.59	2.68	3.19	2.38	2.01	42.37
1847	1.63	2.55	5.19	3.67	3.34	3.88	2.82	1.94	5.49	2.53	5.40	6.54	44.99
1848	1.44	4.94	4.37	2.89	4.00	2.50	1.24	7.71	2.81	2.58	3.50	5.18	43.16
1849	6.31	1.16	3.23	.72	1.46	6.90	1.18	2.76	1.37	.97	6.52	2.13	34.71
1850	7.56	5.43	3.78	3.86	2.51	3.28	4.79	7.22	2.97	2.62	7.64	9.32	61.48
1851	2.51	3.99	3.34	1.06	4.22	2.01	9.10	4.14	1.62	3.21	1.21	3.98	39.99
1852	4.67	4.86	2.00	2.22	.62	2.10	7.94	2.30	4.03	1.86	7.50	2.01	42.21
1853	2.92	3.83	3.17	3.88	5.70	3.31	3.70	6.45	.55	3.02	8.59	5.95	51.07
1854	3.49	4.91	4.29	1.86	3.97	2.95	4.84	5.45	3.58	3.24	.35	4.36	43.29
1855	2.11	7.98	4.47	7.26	3.74	1.16	3.99	1.51	3.58	4.84	2.27	1.22	44.13
1856	5.51	5.33	7.19	5.30	.57	.97	3.44	6.73	2.87	4.24	14.98	4.66	61.79
1857	3.24	2.89	3.90	7.87	3.72	3.50	8.95	5.17	1.71	6.33	6.87	2.94	56.89
1858	3.69	2.58	4.83	3.44	1.86	1.77	3.61	3.71	7.55	4.36	5.57	5.11	48.25
1859	2.87	2.39	3.04	8.25	6.48	8.44	2.56	2.99	6.81	1.50	5.39	5.87	55.85
1860	3.12	3.68	4.99	1.00	2.21	1.73	1.32	2.26	7.41	5.19	5.24	9.33	47.48
1861	1.86	4.12	4.75	8.93	2.79	6.56	6.02	3.19	2.56	3.59	5.57	1.77	51.71
1862	2.68	3.31	3.31	7.70	2.79	6.21	1.73	2.32	6.29	5.05	6.29	4.66	52.34
1863	5.24	6.73	2.20	4.43	1.63	2.46	7.39	1.67	2.47	12.45	5.57	2.98	55.20
1864	3.40	6.53	5.46	3.34	.89	5.59	7.81	2.91	.78	1.20	2.55	1.68	42.14
1865	4.60	3.52	4.59	4.87	4.31	4.25	2.88	6.24	2.20	3.67	1.76	1.00	46.89
1866	5.71	3.68	3.02	1.20	4.78	3.60	1.60	3.91	2.74	3.32	1.73	5.71	41.00
1867	.96	2.38	.58	4.36	4.10	4.22	2.08	2.96	1.75	5.45	7.95	.50	37.29
1868	5.02	1.84	1.48	2.53	.95	1.85	4.73	7.32	2.50	.78	4.93	7.07	41.00
1869	1.18	4.31	1.74	3.43	5.80	5.33	2.03	4.94	3.64	2.65	1.55	5.92	42.52
1870	5.18	2.43	5.08	5.69	4.22	4.66	6.13	1.97	3.83	1.20	2.03	1.81	44.23
1871	3.76	3.52	2.71	1.45	2.63	3.70	3.03	3.60	5.35	2.96	3.10	1.08	36.89
1872	5.70	4.78	3.18	1.93	2.30	3.09	2.68	3.51	4.64	5.17	10.97	6.67	54.62
1873	3.66	4.18	3.93	5.97	4.04	3.36	3.08	4.09	.50	3.67	5.07	3.22	44.77
1874	4.28	4.69	4.64	3.28	4.42	1.49	6.59	3.50	3.87	2.54	6.82	1.52	47.64
1875	1.07	2.33	1.50	3.22	3.54	6.10	4.73	3.08	6.60	2.88	5.66	3.46	46.17
1876	3.83	4.86	1.04	1.82	4.74	6.53	4.65	3.07	1.92	6.08	1.38	3.77	43.69
1877	1.82	6.78	5.09	3.87	.89	7.46	3.66	3.58	2.26	2.66	4.58	.51	43.16
1878	6.77	7.60	.84	5.84	6.59	4.17	5.15	.87	2.68	4.82	6.21	2.24	53.78
1879	5.06	6.52	4.39	2.20	3.43	4.02	5.65	1.28	4.59	2.64	5.79	1.71	47.28
1880	.76	3.18	2.75	3.79	4.20	3.28	2.00	1.51	.80	6.75	3.49	1.71	34.22
1881	2.78	2.10	2.81	7.43	4.21	7.48	1.74	3.31	5.71	3.68	1.35	2.89	45.49
1882	1.98	4.61	3.14	4.15	6.40	2.75	2.26	4.95	1.97	2.35	1.61	8.28	44.45
1883	2.01	1.63	2.16	2.86	3.94	2.05	2.40	3.63	2.73	2.63	.45	.98	27.40
1884	5.57	1.95	3.59	5.20	6.39	4.99	4.56	3.08	3.65	4.06	4.68	.66	48.25
1885	2.54	2.85	4.88	4.85	3.26	1.32	3.56	3.66	4.13	1.50	5.02	1.80	39.37
1886	5.68	6.12	1.91	7.36	7.82	3.53	2.07	3.21	1.44	3.23	2.81	3.45	48.63
1887	2.72	3.91	5.05	7.09	4.96	5.66	5.46	1.69	1.90	4.16	3.73	1.12	47.45
1888	3.36	2.87	3.71	3.55	3.27	5.26	2.56	4.63	2.51	2.54	7.15	7.84	49.25
1889	4.68	7.46	4.78	6.03	1.44	1.05	2.54	5.33	2.53	6.42	3.27	4.50	49.83
1890	3.65	4.97	2.22	1.97	2.85	6.53	2.03	5.06	2.80	1.42	2.85	3.70	40.05
1891	8.09	1.15	5.15	6.09	4.56	4.90	2.44	2.10	3.57	2.93	3.21	2.65	46.82
1892	4.82	2.22	3.29	4.30	1.70	2.90	.30	5.35	3.72	1.24	6.65	2.13	39.17
1893	1.76	4.68	1.23	2.03	7.28	3.71	2.66	5.06	1.62	2.05	5.20	1.55	38.63
1894	3.46	1.79	4.79	3.33	3.59	.37	2.67	2.27	.38	2.56	1.83	2.42	29.46
1895	5.23	3.49	4.32	3.85	1.23	2.66	3.53	1.96	2.73	3.35	3.90	2.14	38.46
1896	7.10	8.94	2.19	3.06	4.35	6.27	1.66	2.04	2.15	2.87	2.13	6.18	48.84
1897	3.11	3.54	1.57	4.01	2.53	2.92	2.70	3.78	5.98	4.08	4.47	3.00	41.47
1898	.40	4.65	1.31	4.07	5.35	2.03	5.26	3.73	1.66	4.25	7.29	1.72	43.52
1899	6.71	6.63	2.53	4.96	5.41	6.67	1.97	1.46	2.90	2.49	2.59	4.51	43.05
1900	1.55	3.56	1.51	4.71	8.18	4.86	1.80	4.93	2.47	2.24	2.76	4.64	43.21

CAMBRIDGE, MASS. (Harvard College Observatory)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1901	3.71	5.24	2.53	1.73	1.16	6.74	8.26	7.41	1.09	4.06	3.95	3.78	49.66
1902	2.87	2.80	8.24	2.36	4.76	6.40	3.57	1.26	2.08	3.09	2.86	3.00	43.29
1903	4.47	1.19	5.99	3.54	3.65	6.09	4.07	.38	7.40	5.11	2.86	1.87	45.12
1904	4.05	1.52	3.25	5.15	2.76	2.85	9.28	3.77	2.64	1.68	2.37	5.84	45.16
1905	2.00	1.80	2.64	6.13	1.90	2.86	2.63	1.53	4.30	1.07	3.04	5.99	35.89
1906	1.23	2.24	3.65	2.82	3.05	7.32	2.32	4.67	1.68	5.37	1.66	2.44	39.45
1907	3.09	3.47	2.80	4.82	1.77	1.76	3.55	3.15	3.15	1.29	1.12	8.54	38.51
1908	2.88	6.94	2.79	3.55	4.23	2.81	1.31	4.00	1.25	3.54	4.01	.83	37.94
1909	3.20	.81	2.70	4.62	5.22	2.90	3.90	2.01	3.82	1.62	3.19	5.54	39.53
1910	1.12	1.99	4.47	4.59	3.02	1.38	2.54	1.07	4.96	1.73	.78	2.55	30.22
1911	.97	3.56	2.98	1.82	1.44	3.10	3.17	.26	3.68	4.82	3.52	3.86	33.16
1912	2.58	4.49	3.11	2.92	2.49	5.69	2.80	3.29	.88	6.84	1.74	1.08	37.71
1913	1.41	2.74	4.87	2.60	2.76	5.09	4.10	3.34	1.05	2.59	1.45	3.26	35.24
1914	6.73	2.16	4.42	1.38	4.31	3.82	5.99	2.74	1.64	2.59	2.85	.27	39.88
1915	1.58	2.73	3.51	6.50	3.84	.00	3.21	3.02	1.49	10.54	7.72	1.05	44.99
1916	2.21	2.27	5.03	1.42	5.59	3.10	5.05	3.11	5.20	2.36	2.24	1.20	38.78
1917	1.50	.90	4.00	3.05	2.45	3.88	2.89	4.81	3.60	.63	6.22	1.60	35.53
1918	6.21	.64	3.15	3.32	2.55	3.62	3.20	2.04	2.56	3.59	1.79	9.67	42.54
1919	1.14	1.66	3.41	3.80	3.63	4.47	2.86	4.60	.97	5.72	3.49	6.72	40.87
1920	2.02	5.23	2.15	3.43	9.44	4.40	5.56	4.33	6.36	1.28	.53	2.27	47.00
1921	2.25	6.08	3.96	2.42	3.42	2.17	3.60	4.86	.30	12.25	1.22	1.17	43.70
1922	1.11	3.63	2.53	-	-	-	-	-	-	-	-	-	-

CAMBRIDGE, MASS. (Harvard Univ. Inst. of Geographical Exploration.)^(b)
Lat. 42°23', Long. 71°07'.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	-	-	3.11	4.80	3.45	2.60	2.75	1.16	2.59	-
1941	0.81	-	-	3.38	1.66	2.26	1.57	2.46	3.12	-	1.58	1.25	-
1942	1.90	2.78	3.08	3.80	3.53	6.85	1.17	1.99	3.96	3.76	2.03	2.00	36.85
1943	3.15	5.17	-	-	1.09	-	2.85	4.45	1.34	3.36	1.12	1.53	-
1944	5.77	2.51	1.15	2.31	1.83	3.79	3.53	.46	4.19	1.56	2.19	6.34	35.63
1945	2.72	6.02	2.60	3.54	4.06	1.78	2.30	4.78	6.00	2.39	3.27	1.15	40.61

CHARLTON, MASS. (Charlton Depot)^(a)
Lat. 42°10'40", Long. 71°58'55". Elevation, 990 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	-	-	-	-	-	-	-	-	-	3.98	1.73	8.23	-
1921	0.99	4.30	2.59	2.76	2.53	3.61	4.92	3.14	3.36	7.92	2.32	2.25	40.68
1922	2.15	5.67	2.57	1.22	2.21	5.64	1.96	5.23	7.87	3.92	5.85	2.48	46.77
1923	2.04	1.56	3.18	6.55	1.93	2.80	6.72	1.45	4.51	3.20	3.66	1.63	39.23
1924	5.19	5.34	4.80	3.90	1.63	2.89	5.97	3.35	2.21	2.78	6.03	4.79	46.88
1925	.17	2.77	1.68	2.20	2.38	5.09	2.64	2.36	3.86	5.99	1.63	2.91	35.68
1926	4.51	3.11	2.40	2.53	6.88	2.99	2.66	2.08	1.45	3.25	2.46	1.72	38.04
1927	4.54	5.53	2.72	2.41	3.12	1.41	2.27	4.05	3.71	4.59	6.18	2.20	42.73
1928	5.56	5.93	6.10	2.36	3.68	1.32	3.26	2.03	6.95	5.56	4.52	2.61	49.99
1929	2.01	2.10	1.66	6.89	3.61	2.50	5.48	5.42	3.41	.92	3.30	4.63	39.13
1930	3.01	2.94	3.06	2.03	1.95	2.76	2.05	3.36	3.11	3.76	1.37	1.75	31.15
1931	2.89	2.91	1.81	3.16	3.39	4.88	2.94	4.76	6.04	2.86	6.20	1.03	42.87
1932	1.99	1.16	3.08	3.94	1.67	3.96	1.56	2.02	4.35	2.79	5.73	6.91	39.16
1933	6.08	4.28	1.49	2.06	3.27	5.02	4.63	2.86	3.17	2.69	6.21	8.55	50.31
1934	2.92	1.52	1.83	3.67	5.19	3.42	4.15	4.27	5.26	3.04	3.06	9.68	46.01
1935	2.87	3.25	3.30	4.37	3.04	1.80	2.29	2.18	5.13	2.84	1.84	4.23	37.14
1936	.69	3.38	1.07	6.01	2.76	11.11	3.51	3.33	2.08	1.92	4.13	5.56	45.55
1937	3.55	1.40	5.02	4.22	1.89	2.86	4.39	3.86	4.07	5.40	4.51	4.00	45.17
1938	5.27	7.43	2.02	4.10	1.66	2.47	2.50	3.80	4.47	9.06	3.36	12.54	58.56
1939	2.45	2.34	2.06	1.80	2.61	6.96	4.01	1.19	5.22	1.34	3.74	2.62	33.84
1940	6.09	1.29	3.73	3.05	3.84	4.96	6.18	5.28	2.34	3.96	1.79	2.27	44.88
1941	1.50	6.63	2.07	1.96	2.73	.55	.99	2.47	2.24	4.96	4.32	.63	31.05
1942	2.38	2.63	3.64	4.16	2.33	8.00	1.33	2.80	4.42	5.29	3.60	2.41	42.99
1943	4.03	5.17	4.80	2.65	1.61	3.95	3.66	5.78	2.37	4.97	1.12	9.93	41.04
1944	5.67	5.01	1.29	1.29	2.72	4.72	4.30	1.47	6.09	1.78	1.31	6.33	41.98
1945	1.54	5.57	3.84	3.30	6.63	2.42	4.69	4.71	6.79	3.29	3.94	1.37	48.09

CHATHAM, MASS. (Chatham Light)^(a)
Lat. 41°40'15", Long. 71°57'00". Elevation, 40 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	-	-	-	-	3.47	7.02	6.40	9.54	3.20	1.45	-
1932	6.23	0.78	3.46	6.43	2.37	3.31	.82	1.84	2.19	2.11	4.16	3.04	36.74
1933	6.84	2.18	1.58	3.07	3.44	6.33	4.60	1.83	1.78	4.02	7.13	9.52	52.32
1934	7.40	2.60	2.51	3.04	4.14	2.74	3.56	1.15	1.50	1.48	1.67	1.99	33.78
1935	5.94	2.76	4.51	3.53	2.10	2.40	3.54	1.80	6.32	5.52	2.00	5.02	45.44
1936	1.60	3.46	.92	4.46	1.66	4.86	1.63	1.26	3.72	1.86	4.90	7.34	37.87
1937	3.64	1.82	7.76	3.47	1.86	3.78	3.86	2.66	3.73	1.56	4.81	2.87	41.42
1938	4.46	3.40	2.35	2.52	1.93	2.96	3.12	3.30	5.50	4.72	1.18	6.66	42.10
1939	4.92	3.04	4.32	6.74	5.02	5.50	3.28	1.36	2.84	.40	4.00	2.40	40.82
1940	4.06	2.12	1.34	1.72	4.48	1.94	6.52	1.00	.20	3.19	.77	6.93	34.27
1941	2.26	5.10	3.54	3.69	1.17	2.10	4.12	2.72	6.38	4.69	4.54	.09	40.40
1942	2.60	1.98	1.80	3.41	1.51	6.65	.78	1.72	2.38	1.22	9.18	2.26	35.49
1943	5.48	3.65	3.36	4.18	2.18	3.04	3.07	3.42	1.43	3.99	4.31	3.26	41.36
1944	5.63	2.72	1.28	3.24	1.45	4.28	4.37	.54	4.20	.59	.31	3.19	31.80
1945	1.69	7.21	2.41	3.99	3.49	3.38	1.45	4.28	6.32	1.32	1.48	.57	37.59

HYDROLOGY OF MASSACHUSETTS

CHESTER, MASS. (a)
Lat. 42°16'40", Long. 72°58'50". Elevation, 600 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	3.69	2.43	3.65	4.35	0.23	2.24	2.00	3.24	-	-
1914	4.61	5.33	2.25	2.73	2.08	3.81	5.08	3.46	1.66	3.32	2.99	.40	37.70
1915	1.08	2.99	2.65	5.26	4.44	.21	2.41	2.02	2.67	8.49	8.68	2.76	43.66
1916	3.19	2.71	4.00	2.00	4.84	3.15	3.11	2.96	4.15	4.23	2.75	4.97	42.06
1917	1.32	3.50	3.89	3.54	2.77	3.59	1.23	3.48	5.50	1.09	.50	.63	30.84
1918	7.46	1.03	4.85	3.84	2.84	2.33	3.12	4.02	3.72	2.55	2.70	6.01	44.47
1919	1.62	2.49	3.58	2.59	2.70	4.36	3.16	6.77	2.10	5.15	4.33	4.91	43.76
1920	2.40	6.08	2.50	1.90	4.75	2.40	5.79	1.55	6.98	1.83	6.01	5.58	47.77
1921	1.60	5.37	4.63	2.11	3.73	3.81	3.44	1.25	2.98	5.35	2.87	2.26	39.40
1922	1.15	4.34	1.90	1.63	3.36	4.95	2.87	5.60	7.44	4.54	3.70	3.10	44.58
1923	63.32	1.25	3.61	6.64	1.86	1.64	3.25	3.23	3.26	3.10	2.98	2.44	36.58
1924	6.45	3.31	4.32	3.84	2.86	.92	7.14	2.76	1.45	2.17	3.51	8.05	47.81
1925	.00	3.68	2.04	3.54	3.04	4.14	3.15	2.61	3.46	7.30	2.39	2.63	37.98
1926	3.75	4.55	3.13	3.24	4.42	3.51	2.43	2.08	2.64	4.21	5.08	2.05	40.89
1927	5.05	5.87	3.29	2.69	4.13	2.02	1.64	4.79	4.53	6.36	6.86	2.49	49.72
1928	8.14	11.01	5.71	2.75	3.42	2.24	6.12	2.53	6.42	5.89	8.36	8.24	65.85
1929	.56	2.32	1.22	4.20	3.85	3.66	8.37	4.15	5.09	1.01	1.82	3.28	39.51
1930	6.15	2.97	3.56	2.15	1.74	4.48	2.17	4.87	5.19	3.93	1.99	2.47	41.67
1931	1.71	4.05	1.53	3.09	2.33	4.46	2.86	7.32	4.60	4.39	4.91	2.15	43.40
1932	3.17	1.88	2.85	5.94	2.47	5.10	2.18	1.71	2.56	3.63	3.95	2.41	37.85
1933	6.35	7.45	1.95	2.61	3.29	5.99	5.10	3.06	2.46	2.50	7.93	9.97	58.66
1934	2.98	1.13	3.93	3.78	2.39	2.46	5.60	4.14	6.29	2.28	3.11	6.82	46.91
1935	2.65	3.73	2.99	4.77	2.55	1.99	2.32	3.41	4.31	3.64	.54	4.00	36.90
1936	1.08	5.59	1.16	5.87	2.94	10.47	3.69	2.73	1.59	2.36	4.64	5.46	47.58
1937	8.52	1.95	5.88	5.37	3.27	3.35	3.99	6.85	6.35	2.83	6.74	5.01	55.11
1938	6.15	6.06	3.14	4.59	2.25	2.36	2.94	4.04	9.15	7.11	4.49	12.61	64.89
1939	2.15	3.06	3.73	2.51	3.23	4.19	4.45	.70	5.39	2.68	5.15	4.24	41.58
1940	4.20	1.61	2.54	2.53	3.65	5.12	5.00	6.84	3.52	1.77	2.70	1.68	41.16
1941	1.73	6.15	2.69	2.76	2.73	1.85	.75	4.13	6.56	4.92	4.47	1.01	39.75
1942	3.03	3.38	4.55	3.35	2.02	7.67	1.38	4.53	4.32	6.33	1.96	4.74	47.26
1943	4.51	6.53	6.19	3.10	1.69	3.84	3.82	6.70	3.52	6.12	2.73	2.14	50.89
1944	6.49	6.01	.76	1.68	2.43	5.04	3.89	1.15	4.81	4.69	1.46	4.54	42.95
1945	2.26	6.57	3.63	4.18	4.46	2.17	6.13	7.77	6.37	8.44	4.22	4.22	60.42

CHESTERFIELD, MASS. (a)
Lat. 42°23'25", Long. 72°50'30". Elevation, 1,410 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	2.53	6.11	1.41	2.11	4.75	4.74	5.66	2.12	6.94	3.16	3.69	6.57	49.79
1921	1.56	6.22	5.55	1.96	2.74	4.64	5.49	2.57	2.92	6.88	2.64	3.34	46.51
1922	2.27	6.35	1.93	1.41	2.78	6.52	2.03	6.44	6.99	3.44	4.58	2.31	47.05
1923	2.86	1.70	2.83	5.46	1.86	1.74	3.14	3.41	3.46	4.27	3.56	2.59	36.88
1924	6.52	4.39	4.48	4.06	2.41	.99	8.83	4.58	1.87	2.35	2.74	11.80	55.01
1925	.00	4.26	2.23	2.96	4.40	4.29	3.35	2.78	4.07	7.85	2.67	3.07	41.93
1926	3.93	4.69	3.07	2.99	3.03	2.71	2.35	1.94	3.25	2.74	3.65	1.59	35.94
1927	5.17	5.41	2.81	3.01	3.69	2.61	2.68	4.70	3.80	5.58	5.63	2.84	47.95
1928	7.43	11.13	5.82	2.86	2.99	1.95	4.76	4.15	9.22	6.35	7.66	4.95	59.25
1929	.98	1.60	1.03	3.67	3.80	3.59	6.58	4.52	3.49	2.84	2.37	3.48	34.81
1930	5.75	3.26	3.91	2.40	1.46	4.66	2.33	4.75	6.34	3.84	3.17	2.19	44.06
1931	1.87	3.79	1.35	3.05	2.02	4.06	2.70	7.69	5.89	4.33	3.10	3.26	43.21
1932	3.47	1.76	4.06	5.08	2.23	3.97	2.37	2.20	2.67	3.65	4.87	2.65	38.98
1933	6.92	8.54	1.90	2.46	3.19	5.61	5.09	2.37	4.65	3.52	11.51	13.88	69.64
1934	3.67	.84	3.23	3.52	2.49	3.89	4.46	4.26	6.81	3.30	3.15	9.73	49.35
1935	7.80	4.04	2.72	4.50	2.29	1.28	1.69	3.53	5.21	4.08	.82	4.79	37.75
1936	1.08	4.48	1.20	4.84	2.30	9.51	4.89	2.00	2.56	1.66	5.63	4.69	44.84
1937	3.17	2.13	4.74	5.21	4.65	3.95	4.26	7.80	6.26	1.70	5.89	4.47	54.23
1938	7.29	6.76	2.95	4.76	1.77	2.17	2.81	4.02	8.34	10.37	4.42	13.12	68.78
1939	2.59	2.52	3.65	2.11	3.65	4.04	5.07	1.24	3.85	2.71	4.29	3.96	40.68
1940	4.07	1.18	2.72	2.25	3.88	5.42	5.49	6.26	2.92	3.12	1.59	2.12	41.12
1941	1.41	5.95	2.92	1.78	2.88	1.77	.77	3.43	6.67	4.51	4.73	1.20	38.02
1942	3.25	3.41	4.58	3.00	1.87	6.43	1.53	5.18	4.05	6.12	3.33	5.10	47.85
1943	4.57	5.20	5.51	2.74	1.39	3.43	3.52	6.21	3.05	6.29	1.62	2.09	45.62
1944	7.12	6.69	.57	1.51	2.37	4.55	4.31	1.54	6.33	3.41	1.70	6.04	46.12
1945	1.94	5.78	4.15	3.55	3.98	2.42	6.10	6.45	6.53	6.75	4.44	2.07	59.18

CHICOPPEE, MASS. (Dwight Mfg. Co.)
Elevation, 75 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1869	-	-	-	1.24	5.50	6.57	0.78	6.59	5.48	2.46	2.06	6.67	-
1870	13.72	3.04	6.06	5.26	5.64	4.56	4.94	1.82	2.90	2.72	1.51	1.00	53.29
1871	6.66	3.75	2.31	2.67	4.32	3.47	3.90	4.81	11.33	2.08	7.64	1.18	54.12
1872	6.78	4.58	2.34	1.32	1.10	2.03	2.79	3.35	3.63	5.34	7.55	5.13	45.94
1873	3.85	4.85	2.03	1.00	2.65	3.00	3.24	3.84	.94	2.52	4.93	2.93	35.78
1874	6.50	1.10	3.98	5.17	3.08	2.12	5.85	5.60	3.76	8.92	4.27	2.63	52.96
1875	1.99	1.01	1.66	2.55	3.18	3.21	1.70	1.94	2.90	1.74	10.20	3.82	35.40
1876	4.01	5.64	.75	1.61	4.75	4.03	3.14	3.21	2.98	6.78	1.07	6.18	44.15
1877	.76	3.72	2.95	.70	.38	8.98	3.62	.94	3.15	6.02	2.41	.49	34.12
1878	9.24	7.52	.95	4.26	2.18	1.24	3.24	.96	8.01	2.57	4.39	2.29	46.95
1879	1.88	6.83	6.91	2.30	1.70	2.54	5.66	2.88	6.80	4.10	8.19	2.91	52.60
1880	1.39	2.62	4.58	3.66	3.21	2.97	3.59	2.09	1.84	6.82	3.40	3.00	39.17

CHICOPEE, MASS. (Dwight Mfg. Co.)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1881	3.78	3.28	1.20	4.46	4.76	3.67	1.88	4.60	5.56	2.85	3.27	.82	40.08
1882	2.46	4.66	5.63	5.50	3.23	3.13	1.80	5.94	2.51	1.94	.70	12.31	49.81
1883	1.91	1.05	1.15	2.08	3.38	.70	3.07	4.59	2.21	3.37	.71	2.73	26.75
1884	4.83	1.06	3.09	4.52	6.75	5.63	2.05	2.58	5.96	5.73	7.30	1.17	50.47
1885	2.26	2.84	5.56	4.12	2.05	1.78	3.34	2.62	1.92	2.81	7.84	.68	37.82
1886	4.90	6.99	2.13	3.85	4.88	4.73	3.42	2.72	1.97	3.76	2.88	4.19	46.42
1887	3.86	4.58	2.84	5.61	4.70	3.05	3.83	.90	6.32	8.24	8.69	1.64	54.06
1888	1.34	3.34	.50	5.15	5.22	7.07	2.27	4.23	4.36	2.92	3.30	10.94	50.64
1889	5.58	5.34	5.58	3.20	3.41	2.56	2.78	1.88	1.00	5.61	3.21	5.32	44.95
1890	4.59	7.45	3.39	2.84	4.24	6.86	2.44	5.94	1.48	5.43	5.43	11.14	61.23
1891	6.99	1.72	3.54	4.44	4.60	4.60	3.10	1.82	3.10	7.64	3.96	1.19	46.70
1892	3.78	2.56	5.34	5.73	1.75	2.89	.81	7.35	5.02	2.05	6.01	1.77	47.01
1893	1.38	3.21	.81	3.95	4.82	4.05	4.26	7.23	2.80	2.26	2.68	3.02	40.47
1894	5.35	2.22	3.84	3.46	2.50	2.00	2.78	3.99	3.60	1.88	.80	5.04	37.16
1895	5.92	4.59	3.62	4.56	.90	2.93	4.24	2.04	3.96	4.56	3.89	3.60	44.61
1896	7.24	6.68	4.24	.60	2.93	9.16	1.02	3.11	3.75	6.21	3.13	6.83	54.90
1897	4.12	2.40	1.85	4.19	2.72	3.43	2.61	4.91	6.70	18.45	5.53	1.71	58.62
1898	.93	6.92	7.23	4.58	6.48	2.17	5.56	6.40	3.20	4.45	7.41	2.86	58.20
1899	6.94	7.56	5.04	4.27	4.94	7.35	3.01	1.43	4.76	4.08	.72	7.67	57.77
1900	2.16	3.40	1.72	3.64	9.00	5.52	1.36	4.61	2.44	1.74	2.04	2.48	40.11
1901	3.77	6.72	3.92	1.68	3.41	7.40	9.58	7.84	1.48	3.98	9.32	3.40	62.50
1902	5.12	1.76	8.44	1.90	2.46	4.92	8.76	2.91	3.38	4.15	2.02	7.08	47.90
1903	6.62	1.16	5.94	4.79	5.12	7.04	2.82	.70	9.68	4.42	6.68	2.20	57.27
1904	2.84	2.78	4.87	3.35	2.60	4.94	7.56	2.76	3.14	3.74	5.78	5.93	49.97
1905	2.71	1.27	3.18	6.01	1.61	4.24	2.59	.14	4.33	3.37	5.86	7.58	42.89
1906	2.28	.48	1.29	1.05	1.55	2.87	2.23	6.64	3.56	4.32	1.96	3.66	31.89
1907	2.98	2.92	4.83	2.47	3.32	2.48	1.08	2.72	4.18	3.92	1.81	9.46	42.15
1908	10.40	6.72	2.57	2.08	3.97	3.63	.92	5.65	2.48	4.80	8.00	1.12	52.34
1909	2.56	.64	4.28	4.30	6.96	4.32	6.98	4.23	3.28	3.12	1.40	5.10	47.17
1910	2.00	3.28	3.48	6.86	4.96	1.38	4.16	3.96	3.76	1.96	4.00	3.22	43.00
1911	1.04	4.29	2.12	3.08	2.27	4.62	2.39	1.32	2.04	4.88	6.64	5.80	40.49
1912	9.76	2.36	1.44	1.84	2.11	7.87	6.08	6.28	.44	3.32	4.86	5.12	49.28
1913	3.68	5.35	5.24	5.84	2.58	7.33	4.08	8.68	1.22	2.72	4.44	3.22	52.75
1914	7.76	2.52	2.64	3.88	3.15	6.04	6.32	3.84	2.76	4.14	3.98	.24	47.25
1915	3.13	3.39	2.76	7.25	5.75	.24	3.56	2.32	1.88	9.82	8.44	3.50	52.04
1916	2.66	2.48	5.41	2.56	6.47	3.58	3.85	3.58	5.91	5.23	2.52	4.37	48.62
1917	1.34	3.52	3.09	3.86	3.85	3.62	2.01	4.21	4.27	6.03	4.62	.61	41.03
1918	7.28	.85	1.40	1.62	3.57	3.20	2.86	2.03	3.71	1.88	2.73	7.51	38.64
1919	1.19	2.18	1.77	3.46	4.64	7.02	2.98	7.40	1.32	4.54	2.41	5.93	44.84
1920	1.88	6.40	2.81	1.90	3.68	2.90	5.92	4.01	8.22	5.47	4.31	7.65	54.65
1921	.87	8.54	6.00	3.22	3.49	3.67	5.47	2.12	2.85	7.79	3.08	1.85	46.75
1922	1.43	7.63	2.04	1.00	3.14	4.82	2.48	5.96	6.86	8.36	3.17	2.43	49.32
1923	3.65	.87	2.34	9.79	2.38	3.40	4.35	5.62	4.62	1.73	2.79	3.58	45.12
1924	7.67	5.50	4.39	4.54	2.10	1.41	6.68	3.81	2.78	3.15	4.88	4.88	51.57
1925	.09	2.80	1.79	2.65	3.47	4.27	3.66	1.93	4.68	6.26	1.53	3.36	36.49
1926	4.61	3.30	3.58	3.25	4.11	4.89	3.96	2.21	2.26	5.83	6.12	2.20	46.42
1927	6.83	5.40	4.83	2.70	1.93	1.31	1.67	4.55	3.64	4.50	9.51	2.34	49.21
1928	4.28	8.60	5.14	3.53	5.05	2.57	6.48	2.44	6.71	6.15	13.15	1.94	66.04
1929	1.75	1.37	2.10	-	-	-	-	-	-	-	1.63	2.66	-
1930	3.40	2.95	3.55	1.62	1.74	3.60	1.09	4.79	5.01	6.73	1.29	1.88	37.45
1931	2.18	3.41	1.50	3.42	1.66	3.65	2.62	6.63	5.13	4.64	4.47	1.34	40.63
1932	2.22	1.11	3.70	4.59	3.30	3.99	1.59	1.59	9.09	4.34	3.34	3.61	42.47
1933	5.68	5.20	1.47	-	-	-	-	-	-	-	-	-	-

CHICOPEE, MASS. (Bircham Bend)^(a)
Lat. 42°09'30", Long. 72°32'30". Elevation, 120 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1929	-	-	-	-	-	-	-	5.40	1.38	0.41	2.24	3.42	-
1930	2.89	2.39	3.54	1.67	1.68	3.30	1.03	4.81	5.61	5.26	1.58	2.02	35.78
1931	2.33	3.28	1.56	2.98	1.56	3.65	2.35	6.73	4.95	2.72	5.17	2.02	39.30
1932	2.54	1.19	3.58	4.12	2.18	4.17	1.75	1.84	5.72	3.92	4.28	3.79	39.09
1933	4.19	5.20	1.47	1.92	2.62	4.90	3.26	2.65	2.68	1.21	6.59	8.65	47.42
1934	3.65	.81	3.06	3.69	2.85	2.99	4.38	4.74	6.29	2.50	3.90	9.56	48.24
1935	2.71	3.72	2.22	5.08	2.97	2.12	2.94	2.23	5.51	3.11	.61	4.72	37.94
1936	.98	3.24	.97	5.85	2.75	5.65	4.41	3.23	3.80	2.72	3.94	4.31	41.85
1937	2.43	1.95	6.28	4.99	1.44	2.80	4.07	5.31	5.83	3.48	5.97	4.10	48.65
1938	4.64	5.53	2.72	5.31	2.04	2.17	3.17	3.96	8.20	9.28	2.44	-	-

CHICOPEE, MASS. (Westover Field)
Lat. 42°12', Long. 72°32'. Elevation, 244 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	-	-	-	-	2.11	4.58	0.50	4.71	3.94	4.74	1.22	4.09	-
1943	3.40	7.33	5.92	2.61	1.38	3.52	4.90	6.16	3.25	5.73	1.09	1.13	48.42
1944	3.81	5.35	.67	1.25	2.52	3.72	4.57	1.21	4.80	2.52	3.23	7.24	40.69
1945	2.09	5.44	2.40	3.27	3.81	2.25	6.21	7.57	6.01	6.88	3.63	2.10	51.66

CHICOPPEE, MASS. (Water Works Treatment Plant)
 Lat. 42°09'50", Long. 72°33'55". Elevation, 140 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1935	-	-	-	5.16	2.58	1.86	2.28	2.31	5.69	4.43	0.74	4.29	-
1936	0.72	4.54	1.34	66.30	3.00	97.00	4.73	1.56	5.45	3.50	2.84	3.49	44.47
1937	3.59	1.47	6.12	5.21	1.78	3.75	4.01	5.11	5.27	3.20	4.85	4.29	48.63
1938	4.65	6.46	2.65	5.52	2.14	2.50	2.92	3.46	7.89	9.53	2.57	12.43	62.50
1939	2.74	3.31	3.91	2.76	4.10	4.20	4.56	1.12	3.44	1.21	4.94	3.43	39.82
1940	5.25	1.13	3.43	3.06	2.85	5.62	6.32	6.45	2.79	5.36	1.17	2.25	45.68
1941	1.60	6.61	2.52	2.53	1.65	2.15	.82	2.14	3.68	4.65	2.45	1.43	32.23
1942	2.01	3.91	4.19	4.25	1.61	7.20	.57	3.92	3.80	5.43	2.22	5.08	44.19
1943	4.50	5.48	6.47	3.12	1.38	3.79	3.26	5.82	3.32	6.18	1.01	1.13	45.46
1944	4.32	5.19	.63	1.69	2.16	4.65	4.76	1.45	4.35	2.37	3.62	7.56	42.75
1945	1.95	5.21	2.96	3.19	3.54	2.14	6.21	7.43	6.74	6.58	4.34	2.25	52.54

CLINTON, MASS. (Bigelow Carpet Co.)
 Elevation, 300 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1877	-	-	-	-	-	-	-	-	-	-	-	-	-
1878	5.84	8.68	1.07	-	-	-	2.50	4.03	2.28	3.35	3.40	0.31	-
1880	-	-	-	4.54	2.68	3.05	2.80	1.61	2.13	7.68	3.37	2.20	-
1881	3.81	2.01	1.73	5.08	3.16	8.55	2.45	3.93	5.64	2.50	1.42	2.21	43.49
1882	1.31	5.55	4.80	4.27	5.86	2.97	1.80	5.53	2.86	1.56	1.34	8.95	46.80
1883	2.61	.76	2.75	2.80	3.91	1.83	1.85	4.63	3.85	2.10	.49	2.10	29.38
1884	5.66	1.70	3.19	6.03	6.08	6.43	4.83	3.14	4.94	3.62	4.47	1.13	51.22
1885	2.12	2.03	5.50	4.31	3.88	.92	3.20	3.31	3.24	2.51	6.11	1.39	38.62
1886	5.01	5.89	3.71	4.92	5.66	3.69	2.70	3.15	1.61	3.39	3.54	3.78	47.05
1887	2.80	5.18	3.72	4.34	5.05	5.07	4.07	1.68	2.70	6.07	10.26	1.08	52.02
1888	2.64	3.48	4.19	4.24	4.09	4.18	2.98	4.41	2.85	2.66	4.91	8.37	49.00
1889	6.49	6.36	5.84	5.37	1.54	1.28	4.46	2.80	1.55	8.17	3.66	3.95	51.47
1890	4.51	6.85	2.43	2.91	3.52	6.61	2.15	5.46	3.23	2.63	5.36	5.33	51.99
1891	9.49	1.84	3.93	7.46	5.05	5.26	3.62	2.20	3.76	2.89	3.72	1.98	51.20
1892	3.37	2.15	4.27	5.21	2.39	2.60	.55	6.11	1.36	3.93	5.55	1.64	39.13
1893	.31	5.39	.94	2.05	5.61	3.79	2.88	6.38	2.34	1.53	4.94	1.45	37.61
1894	4.24	2.11	4.74	2.24	1.77	1.33	3.02	3.07	.98	2.75	.76	1.97	28.99
1895	4.12	3.17	2.25	3.73	.22	2.47	4.93	1.80	4.60	3.52	3.15	1.63	35.59
1896	8.88	5.87	3.60	1.91	5.95	4.42	1.64	2.34	1.60	4.41	2.65	6.21	49.48
1897	2.91	2.70	1.79	3.07	1.51	3.73	1.85	3.87	4.04	7.17	2.75	1.91	37.50
1898	1.20	5.62	4.12	6.25	2.28	1.39	3.06	2.53	2.49	2.34	7.52	2.21	40.99
1899	5.97	5.61	2.70	2.81	3.91	6.53	1.50	.92	5.12	3.30	3.37	3.55	45.39
1900	1.52	2.13	1.52	3.43	7.47	5.29	1.90	2.71	2.20	3.08	2.91	2.52	36.68
1901	2.20	4.18	1.78	1.63	.72	4.31	4.61	4.96	.42	5.48	3.20	2.61	36.10
1902	3.40	1.41	9.69	2.02	4.55	4.70	2.51	1.88	1.74	2.85	2.88	4.45	41.68
1903	6.91	.64	7.10	2.61	4.55	4.89	2.29	.76	8.98	3.23	3.12	2.10	46.98
1904	3.14	1.90	3.51	3.83	2.10	2.57	4.47	2.41	3.20	4.65	5.90	4.52	42.20
1905	1.11	1.10	2.50	5.09	1.60	3.80	2.08	.90	4.44	3.34	2.54	5.91	34.41
1906	1.51	2.25	2.54	1.60	2.24	3.70	2.49	4.20	4.18	5.04	5.69	2.42	37.96
1907	3.14	2.21	4.96	2.14	2.62	2.05	2.78	2.51	2.99	2.43	1.39	9.74	37.36
1908	1.58	4.03	4.33	2.12	3.14	2.76	3.72	3.72	1.02	3.59	6.81	1.14	41.88
1909	1.56	.91	2.47	3.73	5.76	2.65	4.38	2.80	1.38	3.46	2.28	3.63	37.01
1910	.75	4.50	3.04	6.38	4.83	2.59	2.87	1.30	4.37	1.50	4.53	3.75	40.21
1911	2.71	3.77	3.41	3.00	2.96	3.91	1.48	1.56	1.87	1.59	5.11	3.17	34.54
1912	3.58	3.74	2.63	3.25	2.50	6.12	3.17	7.18	.26	3.31	3.61	2.15	41.50
1913	2.58	3.95	5.21	2.92	2.71	4.76	4.13	3.56	1.14	1.72	1.90	4.29	38.87
1914	6.30	2.83	3.14	-	-	-	-	-	-	-	-	-	-

CLINTON, MASS. (c)
 Lat. 42°24'10", Long. 71°41'15". Elevation, 370 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1902	-	-	-	1.70	5.70	5.76	4.21	2.09	2.13	2.96	3.23	5.68	-
1903	6.22	0.93	6.81	3.31	4.59	6.07	3.21	.82	12.19	3.45	3.50	2.02	53.12
1904	4.23	2.25	4.20	4.37	2.30	3.30	8.63	3.10	3.36	3.68	5.21	5.19	49.82
1905	1.44	1.45	2.57	5.96	1.78	4.29	2.64	1.01	4.92	4.15	3.16	7.07	40.44
1906	1.70	2.33	4.26	2.51	3.30	5.15	3.18	6.55	6.46	5.80	5.76	2.42	49.42
1907	3.01	3.21	4.41	2.65	1.91	2.14	3.85	3.37	4.67	2.83	1.47	9.99	43.51
1908	5.55	6.46	4.54	3.63	3.99	2.97	2.46	5.17	1.17	3.94	6.86	1.19	47.85
1909	2.50	1.33	3.49	4.11	7.22	4.97	5.39	3.29	3.13	4.05	3.09	4.86	47.21
1910	1.52	2.41	4.54	6.49	4.57	1.28	2.93	1.77	4.68	1.53	4.07	2.98	38.77
1911	1.88	4.52	2.40	3.09	2.81	4.28	2.36	1.41	3.11	2.53	5.31	2.98	36.68
1912	4.97	2.59	3.39	3.31	2.56	6.30	4.36	7.32	.27	3.51	3.63	2.33	44.44
1913	2.78	4.26	5.03	3.20	2.76	6.03	4.11	4.00	1.03	1.96	2.03	4.24	40.43
1914	6.48	2.73	3.50	4.17	4.86	5.61	5.29	3.73	2.00	4.02	3.78	2.25	46.42
1915	1.65	3.20	3.74	6.27	3.61	.06	1.70	1.51	2.92	8.38	5.83	1.01	39.88
1916	3.42	2.73	5.12	1.54	6.37	4.36	3.87	3.30	6.53	5.41	2.14	4.05	48.84
1917	1.28	2.86	2.99	3.40	2.54	4.93	1.64	3.87	4.79	1.28	6.46	1.12	37.15
1918	5.74	1.77	2.70	3.52	3.79	2.63	4.11	1.19	4.00	3.24	2.11	8.35	43.15
1919	1.26	2.59	3.21	2.97	3.63	5.19	2.42	5.78	1.81	6.13	4.08	5.73	44.80
1920	2.50	6.79	2.26	3.39	6.42	5.04	6.10	4.50	6.79	3.81	2.47	6.35	56.42
1921	.52	5.80	6.54	2.37	4.25	2.56	5.20	2.53	3.85	7.17	1.56	1.73	45.06
1922	1.70	8.97	2.78	2.41	3.41	6.28	1.59	5.08	9.97	5.23	4.31	2.49	54.22
1923	2.43	1.46	3.93	7.88	2.21	2.70	5.93	1.10	3.62	3.77	1.56	.79	37.38
1924	5.62	6.47	5.12	4.31	3.21	3.31	6.95	3.34	1.18	2.69	4.51	5.27	51.98
1925	.04	3.24	1.80	4.40	2.32	6.35	3.04	1.96	4.69	3.50	2.39	3.19	36.92

CLINTON, MASS.(c)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	4.63	3.23	5.69	2.90	5.93	3.40	2.22	2.17	2.48	3.16	2.57	1.40	39.78
1927	4.18	4.95	4.20	3.07	4.18	1.52	1.98	3.42	1.97	6.12	11.29	3.65	50.54
1928	5.99	9.15	6.92	2.81	4.15	2.00	5.96	2.78	6.71	3.89	4.09	3.68	58.13
1929	2.02	2.54	2.50	4.67	4.15	3.72	7.03	4.67	5.51	1.11	.99	2.14	40.85
1930	3.58	3.40	3.89	2.13	1.93	4.12	2.01	3.02	2.19	4.18	1.68	1.53	33.66
1931	4.67	4.76	2.91	3.63	2.82	5.65	3.18	5.59	6.52	2.54	6.26	1.15	49.68
1932	2.68	1.28	3.89	5.48	3.64	4.87	1.82	1.46	2.87	2.74	5.11	7.86	43.71
1933	6.02	4.74	2.28	2.45	4.02	6.09	6.07	2.22	1.79	1.79	3.97	10.36	51.81
1934	3.01	1.28	3.90	4.23	3.66	3.79	3.74	3.98	4.10	2.90	1.94	11.14	48.62
1935	4.19	2.57	3.71	7.86	3.44	1.81	3.95	2.07	7.03	3.21	1.76	4.25	45.85
1936	.69	5.16	1.26	8.00	3.45	10.24	3.30	3.42	2.75	2.80	4.96	3.09	49.12
1937	4.20	1.62	8.48	5.39	2.11	3.90	5.26	4.03	3.96	2.26	5.27	3.91	50.39
1938	4.52	7.78	3.79	4.72	2.55	2.82	3.21	3.68	7.06	10.15	2.70	9.65	62.73
1939	2.46	3.75	3.44	2.62	4.29	5.15	4.24	1.89	3.01	3.23	3.47	2.51	40.04
1940	4.51	.97	3.16	3.16	5.20	4.81	5.68	5.28	2.66	3.60	1.32	2.78	43.53
1941	1.01	7.20	2.57	3.91	2.12	2.72	.92	2.28	2.03	2.41	2.76	.53	30.46
1942	1.88	3.53	3.26	4.20	3.16	7.53	1.40	2.45	5.57	6.40	2.09	2.46	44.03
1943	2.65	5.21	6.00	3.86	1.49	4.22	3.62	5.09	2.19	4.48	1.76	.85	41.42
1944	6.37	5.08	.71	1.84	2.36	4.93	4.13	.93	7.22	.88	3.51	5.64	42.60
1945	2.32	5.63	3.84	4.89	4.41	2.73	4.14	4.73	5.53	4.60	5.43	1.73	49.98

COHASSET, MASS.
Elevation, 50 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1895	-	-	-	-	-	-	-	-	-	-	3.90	2.02	-
1896	8.47	6.18	2.76	3.05	4.60	5.66	1.48	2.77	4.44	2.59	2.23	6.19	50.42
1897	3.80	6.05	2.35	3.85	2.78	3.16	63.26	4.70	3.71	4.85	5.09	2.34	45.94
1898	.99	7.65	4.29	3.26	9.17	3.48	8.47	4.62	1.54	6.98	8.95	2.12	61.52
1899	8.56	6.62	1.14	5.22	4.61	7.18	1.38	1.16	2.53	3.67	1.22	7.88	51.17
1900	2.27	3.53	1.41	4.43	6.17	4.21	2.01	5.29	3.20	3.01	1.71	4.92	42.36
1901	4.71	5.68	2.90	2.43	.87	6.69	8.76	7.95	2.01	9.69	3.04	3.77	58.50
1902	4.24	2.88	6.49	1.74	5.76	6.17	3.26	1.11	4.50	2.36	1.76	3.14	45.41
1903	4.49	1.68	6.85	3.69	4.54	7.34	5.40	.76	6.75	4.22	3.66	1.15	50.33
1904	3.91	2.05	2.25	-	-	-	-	-	-	-	-	-	-

COHASSET, MASS. (Beechwood, Water Works)(a)
Lat. 42°12'50", Long. 70°49'10". Elevation, 40 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1935	-	-	-	-	-	-	-	-	6.19	1.91	5.16	3.03	-
1936	0.86	7.35	1.17	5.73	2.65	7.08	4.31	2.28	2.95	2.16	7.05	9.31	52.92
1937	1.56	1.77	10.02	4.82	1.16	3.38	5.25	2.91	4.19	.96	5.88	6.84	48.74
1938	4.69	5.51	3.86	3.80	1.99	2.82	2.18	4.95	8.76	8.28	2.37	6.91	56.22
1939	3.97	2.95	3.50	2.32	3.93	3.69	3.72	1.27	3.29	.77	2.95	1.95	34.21
1940	5.85	2.19	2.10	1.75	4.65	3.50	7.42	4.69	2.88	3.89	2.32	4.41	45.65
1941	2.17	7.14	3.00	3.88	1.90	1.97	2.70	3.48	3.25	2.95	3.99	.34	36.77
1942	2.02	2.26	3.45	3.68	3.14	8.09	1.26	1.91	4.24	5.00	2.54	2.71	40.30
1943	4.20	7.74	4.46	3.03	1.61	3.22	3.42	6.12	2.22	3.96	1.55	2.89	44.42
1944	4.20	3.79	1.42	2.59	1.99	4.60	4.01	.30	4.28	1.28	.65	8.75	37.86
1945	4.18	7.49	3.80	3.90	3.81	2.37	2.61	5.72	5.73	2.93	5.78	2.70	51.02

COLRAIN, MASS.(a)
Lat. 42°40'30", Long. 72°42'10". Elevation, 500 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	3.78	2.45	5.80	2.82	3.33	0.75	1.42	1.81	4.20	-
1914	5.78	3.76	3.46	3.10	2.67	4.76	5.68	2.39	1.80	2.86	4.64	.37	41.27
1915	2.23	2.94	3.03	5.60	4.56	.13	2.70	1.26	1.37	10.16	13.22	2.48	49.58
1916	2.56	3.14	6.37	1.94	5.92	3.24	3.86	4.18	4.54	4.11	1.59	6.15	47.72
1917	1.54	2.38	2.09	2.74	1.47	2.60	2.06	5.02	6.01	2.47	3.17	.94	32.49
1918	9.06	2.33	2.61	3.49	3.07	2.74	3.53	2.75	3.63	1.71	2.25	6.55	43.72
1919	1.56	2.52	3.55	2.14	2.72	6.48	2.21	8.50	.87	3.04	4.14	4.46	42.19
1920	3.02	5.73	1.96	2.83	5.23	4.31	6.70	2.99	6.17	3.21	3.16	7.14	52.45
1921	1.25	5.83	5.93	1.71	3.24	4.98	5.26	3.13	5.40	4.35	2.64	2.69	46.41
1922	2.08	7.26	1.94	2.54	2.71	7.06	2.24	6.85	7.08	4.02	5.15	1.89	50.60
1923	3.58	1.63	2.77	5.81	1.66	1.25	2.58	2.64	2.65	3.87	2.09	3.59	34.12
1924	.06	4.87	4.89	3.70	2.47	1.07	9.85	4.86	1.17	3.34	4.11	8.09	55.46
1925	.05	4.02	2.42	3.20	3.44	3.86	3.92	-2.16	4.22	6.41	2.02	3.87	39.59
1926	4.27	5.17	3.69	3.09	2.80	3.46	2.99	1.75	2.79	2.64	2.24	3.37	38.26
1927	5.57	5.60	2.65	2.29	4.29	2.13	1.70	3.56	3.72	5.19	4.41	2.74	45.95
1928	5.70	8.55	5.54	2.84	2.88	2.90	5.64	3.14	7.62	5.51	7.55	3.37	61.24
1929	.56	1.93	.73	3.48	4.10	3.39	6.84	3.86	1.83	1.00	1.84	2.67	32.23
1930	4.62	2.66	4.14	2.91	.80	5.25	2.00	3.88	5.30	4.06	2.64	1.72	39.98
1931	2.39	4.14	1.21	3.04	2.56	4.29	3.55	6.90	4.95	4.99	4.44	2.82	45.27
1932	2.46	1.49	3.95	4.32	2.87	3.53	2.35	1.85	1.27	3.83	3.62	2.80	34.94
1933	6.02	8.22	1.91	2.46	1.12	4.93	5.92	1.58	1.52	2.02	7.42	6.79	51.91
1934	3.41	.89	3.21	3.28	1.93	3.62	4.89	3.34	6.04	4.56	2.75	8.13	46.05
1935	2.24	3.82	2.62	5.68	2.50	1.73	2.08	2.50	6.33	5.29	.88	5.56	41.23

COLRAIN, MASS. (a) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	1.17	6.02	1.10	6.40	2.48	9.59	4.07	1.53	2.47	3.56	5.95	2.32	46.68
1937	5.44	2.15	6.84	5.08	3.71	8.99	4.98	7.90	4.95	2.29	4.62	5.15	54.99
1938	7.07	7.17	2.65	4.49	1.73	2.32	2.64	2.99	5.12	7.17	2.85	11.69	58.90
1939	2.24	2.83	3.76	2.51	3.23	3.48	5.79	1.43	4.69	2.02	2.81	3.01	37.80
1940	4.06	1.12	2.56	2.42	3.47	5.25	4.97	6.65	3.23	4.24	2.98	2.58	43.63
1941	1.38	6.08	3.40	2.36	3.54	1.99	.96	1.73	3.81	3.28	3.78	.81	33.12
1942	2.41	3.79	5.07	3.25	2.44	6.63	1.23	5.52	2.36	7.25	1.93	5.22	47.20
1943	5.08	5.06	5.94	2.66	1.40	3.16	4.52	6.89	2.83	6.47	3.37	1.94	49.32
1944	6.98	9.91	.87	1.68	2.21	5.36	4.47	1.48	6.85	3.96	2.27	6.65	48.29
1945	2.19	4.39	4.04	3.67	4.22	1.23	6.99	8.03	6.29	6.62	2.85	6.79	54.31

CONCORD, MASS. (b)
Lat. 42°27', Long. 71°22'. Elevation, 139 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1891	-	-	-	5.45	4.78	5.70	2.62	1.63	3.43	2.97	2.85	1.69	-
1892	3.16	2.65	3.03	5.16	2.27	3.00	.71	5.12	4.08	3.47	4.20	2.42	29.28
1893	1.71	5.54	.99	3.11	5.48	3.03	2.91	5.16	2.95	1.93	6.15	1.66	40.82
1894	4.25	2.00	4.26	2.47	2.69	.93	2.10	4.22	.53	3.22	1.81	2.21	30.89
1895	4.20	3.28	3.11	3.25	.85	2.35	4.41	1.66	2.13	3.70	3.45	2.73	35.02
1896	6.80	8.69	2.34	1.83	5.04	5.19	1.59	2.26	2.25	3.41	3.10	6.69	49.19
1897	3.17	2.59	1.70	3.18	2.52	3.75	2.26	4.39	3.88	4.50	3.45	2.99	38.38
1898	.35	5.81	4.34	4.50	4.57	1.87	4.48	2.61	2.36	5.80	8.94	2.54	48.17
1899	6.65	5.02	2.77	3.02	3.47	2.98	1.50	.97	4.11	3.36	3.07	4.01	41.71
1900	1.62	2.49	1.72	3.56	6.11	4.40	1.92	3.81	2.49	2.18	1.91	3.49	35.71
1901	3.15	5.09	2.32	1.46	1.17	3.89	6.72	7.52	1.81	5.15	3.26	2.71	44.25
1902	2.91	2.10	7.47	1.66	3.12	5.02	3.35	2.39	1.89	2.78	4.26	5.78	42.73
1903	4.76	.85	5.32	3.16	3.05	6.05	2.82	.76	8.30	3.27	3.26	2.10	43.70
1904	4.41	1.61	2.72	3.69	2.16	2.25	9.40	3.72	5.13	2.21	3.13	5.19	45.62
1905	1.55	1.52	2.13	4.66	1.85	3.22	2.78	.93	5.27	2.00	3.20	7.59	36.70
1906	1.37	1.98	4.24	2.42	2.46	5.66	2.79	5.07	3.12	5.37	3.86	2.15	40.49
1907	2.55	2.67	3.89	3.03	1.40	1.99	2.84	3.51	2.81	2.52	1.17	9.05	37.25
1908	4.73	5.42	4.23	2.82	3.51	3.22	1.54	5.07	1.03	5.22	.75	3.42	41.11
1909	2.57	.95	2.75	4.09	5.21	3.22	4.85	2.35	3.20	3.76	2.48	4.89	40.42
1910	1.11	3.06	3.13	4.30	4.16	1.44	2.50	1.47	3.35	1.63	2.22	2.97	31.34
1911	1.65	3.52	2.03	2.57	2.54	3.29	2.26	.29	3.23	3.33	4.60	3.16	32.47
1912	3.42	4.09	3.23	2.85	2.55	5.63	3.99	4.93	.26	3.49	3.37	2.51	40.42
1913	2.55	3.73	4.85	2.57	2.78	4.98	3.94	3.87	1.63	1.77	3.65	3.23	39.55
1914	5.60	2.11	2.82	3.60	2.90	4.21	4.63	2.82	1.98	2.33	3.71	.12	36.83
1915	1.73	2.57	3.50	4.96	3.62	T	2.13	1.75	1.64	11.64	5.74	.81	39.89
1916	3.05	2.61	4.88	1.25	5.16	3.28	4.43	2.91	4.70	3.74	2.08	2.16	40.35
1917	1.05	2.07	2.57	2.50	2.43	3.56	2.43	4.48	4.67	1.95	3.53	1.55	32.79
1918	5.28	.99	2.93	3.15	2.25	2.88	2.92	2.43	3.44	3.73	2.14	8.86	40.98
1919	.96	2.59	3.19	3.63	3.58	4.21	2.58	5.53	1.17	3.74	4.09	4.77	40.04
1920	1.84	5.85	1.61	2.87	6.06	3.85	5.65	2.69	6.04	1.82	1.51	4.42	44.21
1921	1.06	5.19	5.36	2.30	3.51	1.85	3.52	4.50	3.89	9.67	2.03	2.10	44.98
1922	1.25	7.87	2.33	1.78	2.80	4.10	2.14	4.97	10.04	4.72	3.89	3.88	49.67
1923	2.10	1.37	3.28	7.16	1.70	2.70	5.26	1.22	3.67	2.40	1.	.22	33.79
1924	5.01	5.08	4.88	3.26	2.81	2.46	4.86	5.69	1.83	1.87	4.97	5.97	46.68
1925	.08	2.22	1.86	3.91	2.26	6.13	3.51	1.92	4.59	4.40	2.10	2.95	35.73
1926	4.46	3.08	5.00	2.50	4.92	2.28	2.67	2.50	1.80	3.06	3.77	1.35	37.29
1927	3.63	4.95	3.52	2.44	3.85	1.21	1.84	2.76	2.54	3.52	6.56	3.73	40.55
1928	4.60	5.39	4.75	2.45	3.20	1.67	4.89	2.48	5.28	5.46	2.59	4.09	47.05
1929	3.01	1.59	3.19	3.39	3.90	3.07	6.72	3.63	3.63	1.14	3.50	1.50	38.27
1930	2.48	2.90	3.88	2.50	2.17	3.31	1.90	2.61	2.20	6.08	1.53	.69	32.25
1931	5.04	3.75	2.89	3.66	2.33	5.42	2.67	3.35	7.11	1.77	4.92	1.54	44.45
1932	2.18	1.24	3.74	4.26	2.34	5.64	1.83	1.61	2.47	1.84	5.16	8.67	40.78
1933	7.06	4.53	1.64	2.26	4.02	6.59	6.28	2.24	1.50	2.70	3.84	11.95	54.61
1934	3.55	.89	3.78	3.40	3.92	3.02	4.84	3.52	3.52	.84	2.63	8.34	42.04
1935	2.88	2.16	2.83	6.64	3.21	1.54	3.97	1.47	5.52	1.64	1.74	3.77	37.37
1936	.43	4.65	1.02	6.54	3.20	8.00	2.62	2.64	2.39	1.32	4.31	3.49	40.61
1937	3.53	1.53	7.23	4.39	2.24	3.54	4.44	2.96	3.98	1.34	4.81	2.99	43.08
1938	3.14	5.20	3.63	4.01	1.80	1.99	2.96	3.64	6.79	9.72	2.93	12.20	58.01
1939	1.96	3.08	2.93	1.96	3.49	4.18	4.70	2.21	2.34	.28	3.77	2.24	33.14
1940	5.22	.93	2.99	2.34	4.06	3.22	4.86	3.90	2.69	4.25	1.02	3.51	38.99
1941	1.21	6.07	2.90	3.45	1.59	2.16	.97	2.12	2.58	2.71	1.63	1.98	29.37
1942	1.77	2.52	3.06	3.23	3.31	6.79	1.54	2.43	4.89	4.96	2.47	2.06	29.15
1943	3.13	4.85	6.45	2.84	1.27	4.32	3.04	4.62	2.77	4.90	1.40	.64	40.03
1944	4.77	4.16	.99	2.19	2.25	4.52	3.45	.98	6.01	1.47	1.79	5.30	37.78
1945	1.67	4.76	2.76	3.03	4.04	1.83	2.71	4.44	5.75	3.33	3.29	1.21	38.82

CUMMINGTON (West), MASS. (b)
Lat. 42°29', Long. 72°58'. Elevation, 1,205 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1941	-	-	-	-	-	2.06	1.19	5.14	3.11	3.40	2.81	3.98	-
1942	3.35	3.28	4.52	2.70	2.62	7.76	2.28	5.00	2.30	6.27	3.24	6.11	49.43
1943	3.16	7.13	6.78	3.23	1.84	3.22	4.49	8.00	4.22	5.47	1.02	1.26	49.92
1944	6.27	5.95	.72	1.54	2.90	5.15	4.75	2.50	5.40	6.28	2.58	6.50	50.64
1945	2.35	5.98	3.57	4.85	4.72	2.07	6.77	8.21	6.59	7.08	3.38	2.99	59.56

PRECIPITATION RECORDS

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CUMMINGTON, MASS.
 Lat. 42°27'50", Long. 72°55'50". Elevation, 1,020 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1903	-	-	-	-	-	-	3.86	0.64	11.06	4.25	5.23	1.72	-
1904	4.60	1.92	4.17	5.10	4.66	4.18	4.27	3.81	5.64	2.74	5.84	4.47	51.40
1905	2.59	3.55	3.28	5.59	1.77	2.93	2.64	1.58	3.70	5.12	5.85	5.75	44.35
1906	2.69	2.40	3.50	1.93	1.81	4.33	2.82	3.67	4.05	2.60	5.13	3.34	38.27
1907	2.27	1.96	3.73	2.57	2.02	2.23	2.19	3.09	4.47	-	-	-	-
1920	2.76	5.83	1.81	2.03	4.72	4.64	6.43	1.79	6.00	3.11	3.63	6.89	49.64
1921	1.55	6.70	6.08	2.25	3.31	5.02	4.96	1.51	3.06	4.89	2.28	3.76	45.37
1922	1.98	7.31	1.99	2.40	3.16	5.02	2.98	3.87	3.69	2.90	4.13	2.63	49.04
1923	3.13	1.93	3.25	6.41	2.18	2.33	3.15	3.17	3.74	3.92	1.50	3.85	40.36
1924	6.54	4.86	4.76	2.98	2.80	1.39	8.43	4.25	1.42	3.61	3.05	9.61	53.70
1925	.03	3.72	2.68	3.73	3.75	4.03	3.93	2.68	4.58	7.29	2.60	3.15	42.17
1926	4.12	5.11	2.93	3.22	4.64	3.01	2.57	1.68	2.83	3.07	3.76	2.02	38.96
1927	5.24	5.61	2.94	2.82	4.33	2.19	2.02	4.18	3.68	3.87	4.68	2.17	43.83
1928	6.77	10.18	6.23	3.34	3.44	2.82	5.41	3.79	7.88	6.67	6.84	4.29	67.66
1929	.90	2.06	1.27	4.26	4.10	3.97	8.66	3.92	4.26	1.06	2.49	3.93	40.88
1930	4.04	3.23	4.33	2.62	1.40	-	-	-	-	-	-	1.40	-
1931	1.87	4.36	1.59	3.29	2.48	4.02	2.44	6.61	5.52	5.21	2.81	2.85	43.05
1932	2.48	2.24	3.93	5.46	2.61	4.69	2.21	2.21	2.78	3.81	4.47	2.35	39.24
1933	7.45	7.80	2.31	2.85	3.55	5.42	5.42	2.43	2.60	3.89	9.46	9.40	62.58
1934	3.48	1.31	3.91	4.04	3.27	3.87	4.31	3.59	6.11	3.55	3.11	8.61	49.16
1935	2.49	4.41	3.62	5.72	2.92	2.17	2.97	2.59	5.51	3.01	1.06	4.98	41.45
1936	1.20	5.72	1.44	6.51	2.62	9.99	4.46	2.45	1.73	1.99	5.43	4.18	47.72
1937	3.49	2.30	6.22	5.84	3.64	4.27	4.63	6.26	4.79	2.33	5.35	5.07	54.19
1938	6.57	5.79	2.80	4.95	2.07	2.79	2.71	3.43	6.87	6.90	2.93	11.30	59.09
1939	2.20	3.59	3.93	2.75	3.85	3.91	5.79	2.50	3.83	1.41	2.52	3.80	40.08
1940	3.90	1.39	2.76	2.38	4.18	5.38	5.36	5.64	3.61	2.51	1.50	1.69	40.30
1941	1.07	6.01	3.19	2.64	2.86	2.06	.85	3.91	3.52	3.04	4.71	1.25	35.11
1942	3.86	3.51	4.62	3.37	2.22	7.83	1.81	4.84	2.59	6.54	3.56	4.85	49.60
1943	4.74	5.00	6.64	3.29	1.73	3.76	4.56	7.15	3.72	5.89	1.97	1.02	49.47
1944	5.62	6.55	.76	1.78	2.54	5.17	4.47	1.91	5.96	4.29	1.05	6.29	46.39
1945	1.87	5.52	4.26	4.22	4.41	2.92	6.35	7.24	6.57	6.91	2.95	3.53	56.75

DALTON, MASS. (Crane & Co.) (a)
 Lat. 42°28'00", Long. 73°08'20". Elevation, 1,200 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	-	-	-	2.08	2.04	4.97	3.55	4.36	2.36	5.38	3.94	3.62	-
1907	3.26	2.26	2.45	3.25	1.72	1.13	2.07	3.86	3.67	2.36	1.91	8.07	36.01
1908	7.52	4.21	3.69	3.07	3.16	2.94	2.35	5.10	2.37	5.51	4.19	.97	45.08
1909	1.62	.71	2.78	4.00	5.25	4.04	3.92	2.02	3.00	1.70	3.49	3.63	36.06
1910	1.16	1.83	1.95	5.24	4.07	.91	3.68	4.16	2.78	2.82	2.91	4.75	36.26
1911	1.16	3.73	2.08	3.08	1.72	3.84	2.20	2.39	2.00	2.92	5.38	3.67	34.17
1912	6.22	2.55	3.17	2.04	1.79	4.52	5.22	5.73	1.51	2.81	5.32	3.40	44.28
1913	3.65	4.42	4.36	4.73	2.77	6.70	3.36	3.30	1.28	2.71	2.65	2.87	42.80
1914	5.33	4.21	2.62	2.57	1.78	4.94	5.97	2.75	2.52	3.73	3.52	.41	40.15
1915	1.58	2.14	2.87	4.03	5.21	.17	2.29	1.69	3.38	10.66	6.57	2.89	45.48
1916	1.95	1.96	6.73	2.82	3.65	3.95	3.31	2.53	3.71	5.24	2.29	5.73	43.87
1917	.98	4.33	3.02	3.60	2.47	3.95	1.70	2.38	4.12	2.84	2.02	.91	32.32
1918	6.84	.62	1.81	2.98	2.76	3.06	3.13	3.57	3.21	1.96	2.84	6.22	39.00
1919	3.39	2.50	3.45	2.39	2.15	5.15	2.05	7.20	1.20	4.56	4.25	5.02	43.31
1920	3.65	5.03	1.92	2.11	3.95	3.77	6.05	1.49	4.75	2.96	2.79	5.14	43.61
1921	1.53	6.11	4.79	2.11	2.27	5.72	4.45	1.37	3.00	4.64	3.24	3.16	42.39
1922	1.82	7.18	2.17	2.14	2.70	6.02	2.85	5.12	7.16	3.10	6.51	2.22	48.99
1923	2.59	1.76	2.47	6.05	2.00	1.13	3.15	3.02	4.46	3.83	2.48	4.37	37.31
1924	5.79	2.94	4.23	3.80	2.65	1.24	5.49	3.59	1.82	3.48	4.03	7.80	46.66
1925	.04	3.15	2.34	2.57	3.03	3.39	3.47	3.24	3.63	3.06	2.35	3.15	39.42
1926	3.44	3.76	1.52	2.25	2.76	2.04	3.15	1.90	4.61	3.40	4.67	2.99	36.48
1927	5.19	4.83	2.61	2.29	3.51	1.42	1.33	3.51	2.33	5.39	2.97	2.59	37.97
1928	5.45	11.02	5.50	2.60	3.42	2.80	3.69	2.95	7.63	4.96	7.23	2.34	59.09
1929	.99	2.06	.80	3.05	3.54	4.02	7.06	3.04	2.07	.66	1.19	4.37	32.85
1930	2.93	2.51	3.37	2.08	2.00	4.50	1.79	4.04	3.97	5.74	2.87	1.14	36.94
1931	1.33	2.89	1.11	2.89	1.67	3.37	2.27	5.46	4.09	4.77	2.80	2.64	35.29
1932	2.09	1.67	3.43	5.99	1.85	5.37	1.91	2.71	2.34	4.94	5.35	2.38	40.03
1933	4.78	6.48	1.68	2.42	3.47	4.32	4.23	2.93	2.53	5.45	6.95	3.84	54.90
1934	3.12	1.92	3.83	3.31	2.36	2.42	4.55	3.44	6.15	3.88	3.51	8.75	47.34
1935	2.32	5.02	2.73	6.55	2.37	1.66	2.13	2.87	4.72	5.15	1.20	4.01	40.73
1936	1.90	4.98	1.39	5.12	2.16	7.87	4.96	2.78	1.63	2.30	6.10	3.77	44.96
1937	2.79	2.48	5.21	5.43	2.83	3.78	3.38	6.70	7.17	1.80	4.22	5.42	51.21
1938	4.84	3.80	2.92	3.84	1.76	3.67	2.05	3.62	6.66	9.50	5.09	10.40	58.15
1939	1.81	3.21	3.48	3.00	3.23	3.20	8.32	2.81	4.62	2.79	3.18	5.54	45.19
1940	5.03	1.51	2.76	2.01	3.18	5.17	4.61	5.43	4.72	2.88	3.37	2.44	43.11
1941	.99	4.13	2.66	1.77	2.36	1.64	.68	2.79	3.60	5.88	6.17	1.59	34.26
1942	3.45	1.79	4.32	2.57	1.47	6.29	1.66	4.64	3.95	6.99	2.98	6.73	46.84
1943	4.67	5.44	5.04	2.69	1.41	3.23	4.69	7.52	4.34	6.74	3.54	1.20	50.51
1944	4.11	5.62	.71	1.85	2.33	3.68	2.99	2.96	4.83	6.98	2.91	6.31	46.28
1945	2.29	4.21	3.55	3.51	3.96	2.12	7.39	6.81	8.85	9.90	3.42	2.98	58.99

HYDROLOGY OF MASSACHUSETTS

DANA, MASS.
Elevation, 550 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1919	-	-	-	-	-	-	-	-	-	-	-	-	-
1920	2.52	6.29	2.00	2.28	4.32	3.21	7.24	3.35	5.35	3.43	4.48	5.92	50.07
1921	.97	3.87	6.20	3.05	2.57	3.43	7.61	2.55	5.63	11.62	6.74	2.69	57.13
1922	2.50	7.14	1.81	1.69	3.35	5.33	15.06	3.77	14.06	6.70	3.20	3.74	55.81
1923	3.27	1.93	3.68	7.33	1.39	2.38	5.35	2.19	3.12	2.43	4.61	2.16	37.21
1924	5.19	5.33	3.46	2.89	2.23	1.66	4.98	3.14	2.11	2.74	4.04	5.01	42.78
1925	1.15	2.49	2.17	2.64	-	5.43	4.33	-	-	-	-	-	-

DANA, MASS. (North Dana). (a)
Elevation, 520 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	1.95	6.81	1.99	2.28	4.32	3.21	7.24	3.35	5.35	3.43	3.29	6.79	50.01
1921	.97	3.87	6.20	2.34	2.86	3.49	2.61	3.61	4.41	5.76	4.05	2.80	48.97
1922	2.06	4.66	1.00	2.32	2.85	5.12	2.05	4.55	1.46	5.55	5.42	2.61	55.85
1923	3.25	1.77	3.84	7.21	2.28	2.87	5.14	2.10	1.61	5.35	3.41	1.41	38.24
1924	5.18	6.03	4.16	4.87	2.11	1.24	5.32	3.02	2.15	2.09	2.99	4.95	43.11
1925	.08	3.10	2.39	2.57	3.68	4.71	2.82	2.20	3.91	6.09	1.90	4.57	38.02
1926	4.03	3.51	2.53	2.79	5.11	3.24	2.60	1.61	3.20	3.29	3.42	1.70	37.13
1927	5.85	5.99	2.04	2.85	4.38	1.95	1.97	4.71	3.09	6.79	5.28	2.99	48.89
1928	4.95	6.71	6.19	2.52	5.21	1.69	1.16	4.96	3.11	5.86	5.29	4.21	62.63
1929	1.78	2.16	1.59	4.99	3.44	3.26	6.42	4.52	3.40	3.99	1.65	3.29	37.63
1930	2.21	3.09	3.15	2.23	2.13	3.49	1.07	3.24	3.44	6.14	2.12	3.04	35.35
1931	2.46	3.65	1.58	3.20	1.73	4.60	2.75	5.41	4.05	1.95	7.05	2.03	40.44
1932	3.34	1.99	3.92	4.96	2.94	5.39	1.92	2.23	1.90	6.32	4.26	5.72	44.86
1933	4.17	4.27	2.40	4.62	4.42	6.14	5.98	1.84	2.56	2.95	6.49	11.82	55.58
1934	5.86	1.55	3.63	3.51	3.34	3.24	4.62	4.86	5.45	3.75	3.12	8.84	51.27
1935	2.64	4.94	2.86	5.77	3.06	1.93	3.45	3.80	5.82	2.83	1.27	5.18	43.45
1936	1.51	4.24	.71	7.83	3.54	9.36	4.09	2.46	4.24	3.41	6.26	6.69	54.34
1937	2.95	2.03	6.31	5.63	1.52	3.18	4.29	5.09	-	-	-	-	-

DANA, MASS. (Southworth's Mills). (a)
Elevation, 550 feet.

[illegible]

DANVERS, MASS. (State Hospital)^(a)
Lat. 42°35'00", Long. 70°58'30". Elevation, 100 feet.

[illegible]

PRECIPITATION RECORDS

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DEERFIELD, MASS.
Elevation, 140 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	-	-	-	2.07	2.06	3.52	5.66	3.53	4.03	5.66	2.44	3.25	-
1922	1.89	7.37	1.94	2.37	2.74	7.45	1.94	6.14	9.02	2.31	4.21	2.72	49.10
1923	2.39	2.26	1.15	6.37	1.72	2.14	2.49	3.13	3.18	5.62	3.27	3.24	34.94
1924	6.65	5.45	4.55	3.94	1.95	.80	4.90	2.76	.60	2.31	3.33	4.92	42.16
1925	.00	1.90	2.11	3.30	3.98	4.18	3.63	2.10	-	5.35	3.24	3.74	-

DEERFIELD (South), MASS. (a)
Lat. 42°28'20", Long. 72°36'40". Elevation, 210 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1934	-	-	-	-	-	-	-	-	5.80	2.50	3.96	11.11	-
1935	2.28	4.83	3.65	6.11	3.03	1.87	3.44	2.94	6.08	3.48	.92	4.27	42.90
1936	.72	4.83	1.70	8.48	3.10	3.68	4.73	1.56	2.88	2.26	6.42	4.76	51.12
1937	3.11	2.56	6.54	5.76	2.58	4.65	6.52	6.80	6.53	3.41	5.35	4.03	57.42
1938	6.01	6.62	2.88	6.83	2.22	2.80	3.12	4.22	7.32	7.70	3.90	13.77	67.82
1939	2.55	2.69	4.44	2.15	3.62	4.15	3.84	2.41	4.50	3.24	4.42	2.71	42.70
1940	4.07	1.08	3.51	3.12	4.44	5.23	6.32	6.89	3.38	4.98	1.95	1.98	46.95
1941	1.52	6.96	3.84	2.19	2.18	2.19	.44	2.73	7.68	5.01	3.27	.85	38.86
1942	2.03	4.36	4.80	3.86	2.25	7.54	1.21	5.38	2.90	6.07	4.82	5.97	51.19
1943	4.43	5.42	7.43	3.04	1.74	4.21	3.96	4.84	2.62	7.39	3.24	1.26	49.58
1944	5.35	5.66	.72	1.77	2.30	5.11	4.48	1.78	6.13	3.67	2.07	6.25	45.29
1945	2.23	4.82	3.20	4.66	4.49	-	-	-	-	-	-	-	-

DIGHTON, MASS. (Segregansett, Bristol County Agric. School) (b)
Lat. 41°50', Long. 71°07'. Elevation, 35 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1941	-	-	-	-	-	-	-	-	5.07	3.91	5.08	1.57	-
1942	2.26	2.86	2.93	3.13	3.74	7.17	0.96	1.69	-	-	4.41	2.27	-
1943	4.08	4.69	-	-	-	-	-	-	-	-	2.49	-	-
1944	-	-	-	-	-	-	4.10	-	3.84	1.84	2.04	8.81	-
1945	2.46	8.56	4.73	-	-	-	2.52	4.72	4.53	3.28	2.20	1.29	-

DUDLEY, MASS. (Nichols Academy.)
Lat. 42°02'30", Long. 71°55'50". Elevation, 705 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1894	-	-	-	-	-	-	-	-	-	-	3.24	1.06	-
1895	1.03	2.14	-	3.86	4.15	0.45	1.90	3.15	2.02	1.26	5.90	1.75	-
1896	3.74	4.12	2.72	3.15	5.12	2.98	1.64	2.77	1.29	4.81	3.04	2.20	37.58
1897	1.73	5.66	4.06	3.50	4.45	3.30	3.15	.99	2.76	10.49	3.35	1.84	43.40
1898	2.39	2.44	3.97	2.92	3.46	6.77	5.23	2.32	1.48	5.24	7.57	45.82	-
1899	6.26	5.68	5.33	2.75	1.31	1.16	2.55	2.74	2.11	3.39	2.09	4.02	39.39
1890	4.20	4.10	2.80	1.69	3.00	6.60	2.10	5.60	1.70	3.57	5.67	5.33	46.36
1891	5.19	.88	3.34	7.57	4.39	5.32	1.91	1.24	1.94	2.09	2.58	2.45	38.90
1892	2.96	1.35	2.40	4.92	2.06	2.91	.58	4.74	2.07	2.84	4.74	2.58	34.15
1893	1.49	4.77	1.64	2.04	3.40	3.37	2.65	6.61	1.13	1.12	1.55	1.86	31.63
1894	3.95	2.04	3.07	2.01	3.52	1.29	2.73	3.52	3.11	1.61	2.02	2.23	28.28
1895	2.32	1.77	3.50	4.57	1.10	2.12	2.06	1.43	2.91	2.40	2.91	1.20	28.09
1896	3.50	4.60	2.30	1.25	4.50	4.60	.90	1.80	2.80	5.10	2.55	5.90	39.80
1897	2.70	1.60	1.62	2.77	2.10	3.37	2.14	4.27	3.59	9.95	3.25	1.85	39.21
1898	.75	6.02	4.85	2.62	3.55	2.37	6.03	2.65	4.15	5.87	5.77	33.27	47.90
1899	4.80	5.72	1.75	3.95	5.40	4.94	2.26	3.42	4.03	4.11	1.84	3.75	45.97
1900	.80	2.59	1.75	3.53	6.00	6.67	1.63	4.05	-	-	-	-	-

DUDLEY, MASS. (Stevens Linen Works)
Lat. 42°03'00", Long. 71°53'30". Elevation, 450 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1892	-	-	-	2.89	2.00	3.59	0.72	5.89	3.38	2.52	6.18	2.32	-
1893	1.29	5.92	1.31	2.65	6.33	4.10	5.41	5.82	2.09	1.01	4.01	2.72	40.66
1894	5.01	2.58	4.34	3.04	3.36	1.63	2.77	4.05	.64	1.70	2.49	2.05	33.46
1895	2.72	4.19	3.98	4.06	.95	3.20	4.68	2.40	3.47	5.40	3.41	3.62	42.08
1896	7.13	8.19	3.75	1.51	4.28	6.69	1.19	1.99	3.30	3.75	2.86	7.83	52.47
1897	2.94	2.98	3.25	3.25	2.65	3.64	2.38	4.31	2.83	7.72	3.93	1.69	41.57
1898	1.07	6.67	4.52	4.71	4.08	2.70	3.78	3.35	3.07	6.02	6.79	3.27	50.03
1899	6.30	7.21	1.75	4.77	4.17	6.20	2.32	1.51	4.03	4.11	1.84	3.95	48.16
1900	1.13	2.39	1.77	4.42	7.66	5.91	2.55	5.72	4.91	4.58	1.51	2.09	44.64
1901	4.04	5.37	2.45	1.40	1.06	6.53	6.84	6.45	1.28	4.20	5.36	4.43	49.41
1902	5.62	2.47	9.43	2.00	2.97	6.62	2.95	1.60	3.88	4.24	3.09	5.15	48.03
1903	5.34	.74	6.58	3.30	4.44	7.25	2.68	.73	7.25	2.96	4.45	2.16	47.88
1904	3.40	2.10	3.29	3.71	2.59	3.09	6.90	2.53	2.22	2.19	4.93	5.13	41.88
1905	2.00	1.26	2.94	3.97	1.61	2.78	2.91	1.01	3.84	.95	4.48	6.67	34.42
1906	1.91	2.51	3.87	2.79	2.43	5.03	3.03	6.27	3.20	4.79	1.66	2.55	40.04
1907	4.28	2.12	2.14	4.80	1.88	1.74	2.83	3.27	3.71	2.18	.82	8.41	38.18
1908	4.94	5.89	4.93	2.77	4.45	3.48	1.76	4.11	2.87	3.97	7.72	1.36	48.25
1909	2.05	.95	3.46	2.79	5.88	3.30	5.10	2.35	1.63	1.95	2.48	4.69	36.63
1910	1.26	1.86	2.66	5.90	4.02	1.47	3.37	1.76	4.01	1.49	1.90	1.83	31.53

HYDROLOGY OF MASSACHUSETTS

DUDLEY, MASS. (Stevens Linen Works)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1911	1.48	3.90	2.31	2.95	2.60	3.47	2.80	.23	1.57	3.44	5.51	5.04	35.30
1912	3.71	5.35	3.39	2.01	2.70	7.69	4.30	5.01	.68	4.17	3.80	1.21	44.02
1913	1.76	3.69	5.38	3.12	2.96	6.27	4.74	2.84	2.36	1.67	4.73	4.14	43.66
1914	6.55	1.82	4.15	2.32	3.40	4.65	4.12	3.45	1.76	2.84	3.00	.41	38.27
1915	2.07	2.27	2.86	6.11	5.08	.10	1.00	2.34	1.77	6.81	6.33	1.63	38.37
1916	2.44	1.89	4.53	1.58	5.54	3.08	3.31	3.33	5.77	4.28	1.38	3.21	40.32
1917	2.09	2.54	2.99	3.22	3.34	4.23	1.62	4.15	5.10	1.45	7.33	1.55	39.41
1918	5.93	.61	2.21	3.36	3.02	2.71	3.02	2.94	4.67	2.58	2.38	9.70	43.13
1919	1.35	2.84	2.69	3.95	3.28	4.89	3.49	4.52	3.40	3.89	3.55	6.10	43.95
1920	2.45	5.22	1.98	2.74	3.97	4.64	5.05	4.89	6.13	2.57	2.47	3.53	45.64
1921	2.68	3.87	5.62	2.91	2.35	2.54	3.96	3.84	3.25	6.89	2.58	1.80	42.29
1922	1.77	6.25	2.26	1.43	2.58	5.43	2.52	3.51	10.16	3.88	2.96	4.81	47.58
1923	2.87	1.19	2.99	6.48	1.17	2.86	6.09	1.09	6.24	3.76	2.26	3.49	39.99
1924	4.99	3.79	5.98	3.92	2.27	1.78	4.48	3.06	2.08	1.16	5.47	3.68	42.59
1925	1.37	2.52	1.78	2.85	2.08	5.08	2.43	2.46	4.20	6.14	2.54	2.62	35.87
1926	3.93	2.73	3.01	2.43	4.05	2.69	2.43	2.18	2.21	5.76	3.75	2.10	37.27
1927	3.92	5.22	3.87	2.41	2.05	1.63	2.06	3.60	2.61	2.91	6.52	1.55	38.35
1928	5.87	6.60	5.84	2.42	3.44	1.15	3.99	1.49	3.80	4.68	4.03	3.73	47.04
1929	2.21	1.56	2.18	4.35	3.27	2.77	7.31	3.84	1.75	.99	1.96	1.77	33.98
1930	2.91	2.90	4.15	2.79	2.46	3.13	1.39	2.19	1.72	3.14	1.86	2.18	30.82
1931	2.80	3.99	3.16	2.90	2.47	5.49	2.84	4.32	6.41	1.76	5.98	1.21	43.23
1932	2.18	.96	3.23	4.22	2.31	4.99	1.84	1.58	1.99	2.87	6.18	3.86	40.71
1933	6.92	5.04	1.49	1.97	3.16	5.31	5.18	3.08	2.05	2.86	4.34	3.93	51.76
1934	2.98	1.56	4.09	3.73	3.13	5.52	3.51	4.41	4.77	2.94	1.82	8.51	45.05
1935	2.90	2.73	3.66	5.05	3.10	1.88	4.30	2.66	7.71	2.92	1.31	3.33	42.05
1936	.37	4.55	.28	3.36	3.59	10.21	3.48	3.38	1.80	1.61	6.26	5.76	49.67
1937	2.49	1.87	8.57	5.37	1.77	3.61	4.40	2.76	4.01	2.36	6.57	4.50	48.28
1938	4.23	7.53	3.05	4.20	2.78	2.38	2.56	3.83	7.56	9.49	3.58	12.07	63.28
1939	1.71	2.53	3.81	3.00	3.76	4.55	4.26	.53	3.35	1.50	6.94	3.05	38.99
1940	5.59	1.27	4.10	2.94	4.87	4.21	5.08	4.56	3.06	4.60	1.02	3.05	44.15
1941	1.62	6.96	2.54	3.15	.66	3.15	1.17	3.48	3.58	4.86	3.63	.57	35.59
1942	2.01	2.54	2.06	3.95	2.66	7.31	.95	2.23	3.04	4.20	2.42	1.88	35.76
1943	3.75	4.87	6.49	3.72	1.42	4.28	3.17	1.86	3.77	.99	.37	40.00	
1944	5.09	4.02	1.03	1.22	2.19	4.88	5.22	1.13	4.58	1.75	1.12	8.16	40.39
1945	1.80	5.82	3.24	3.33	3.66	2.23	3.88	5.69	4.74	2.25	2.64	1.04	40.52

EDGARTOWN, MASS. (Heath Hen Farm.)
 Lat. 41°21', Long. 70°31'. Elevation, 80 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1923	2.37	0.92	4.08	4.39	1.76	5.99	4.30	0.29	2.53	3.68	2.39	1.60	34.31
1924	3.89	1.50	4.32	2.67	2.93	3.43	4.84	2.26	3.61	1.14	6.27	3.02	39.88
1925	.10	1.94	2.55	2.89	1.77	2.73	1.81	2.20	4.21	3.27	.64	2.92	27.03
1926	3.97	3.62	3.68	2.31	4.68	2.16	1.76	4.03	3.33	3.89	2.69	1.09	37.21
1927	6.54	3.12	3.29	3.04	3.29	1.89	1.76	3.63	2.40	3.37	6.54	2.45	41.32
1928	2.35	3.13	5.09	2.87	5.14	2.37	4.81	2.33	3.30	5.08	1.04	6.98	44.19
1929	.47	1.66	3.00	-	-	-	-	-	-	-	-	-	-

EGREMONT (South), MASS. (a)
 Lat. 42°09'30", Long. 73°25'20". Elevation, 750 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1903	-	-	-	2.79	3.40	4.65	1.78	0.91	12.27	4.01	7.17	1.16	-
1904	5.66	3.10	3.79	2.61	2.03	3.63	4.53	2.98	10.17	2.44	6.71	5.42	53.07
1905	2.55	2.22	2.82	4.34	1.39	2.34	3.47	1.18	2.81	5.41	3.60	5.81	37.94
1906	2.35	2.69	3.14	1.98	2.04	4.45	4.12	3.54	4.17	5.79	*2.85	2.80	39.92
1907	8.57	1.83	3.89	2.73	2.43	1.29	2.49	4.60	5.02	3.03	1.31	8.40	40.71
1908	10.51	4.49	4.33	3.32	3.90	2.09	2.68	4.58	1.89	5.32	4.72	1.80	49.11
1909	2.04	.75	2.33	3.97	6.16	3.35	5.49	5.24	2.57	2.77	*3.55	3.64	42.62
1910	1.22	2.39	3.47	6.04	4.16	1.65	4.66	5.00	3.21	1.89	4.15	2.41	40.25
1911	1.18	4.37	2.14	3.35	2.91	1.48	2.25	1.43	4.16	3.38	6.01	3.85	36.51
1912	7.95	3.35	3.13	-	-	-	-	-	-	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	-	-	-	-
1914	-	-	-	-	-	-	-	3.02	1.96	2.66	2.45	.38	-
1915	1.16	2.06	1.72	5.11	4.83	.00	1.86	2.02	3.16	8.18	6.64	1.58	38.32
1916	2.50	1.84	6.07	1.34	3.04	2.01	2.92	2.63	3.84	7.14	2.86	7.06	43.25
1917	.90	3.51	2.34	2.35	1.77	2.19	2.31	5.31	3.78	5.43	3.57	1.04	34.50
1918	5.52	2.95	2.15	1.12	2.93	1.59	3.79	3.60	2.65	2.55	6.55	5.55	36.92
1919	1.39	.93	3.30	1.36	3.70	4.04	2.25	3.60	1.10	4.20	2.18	3.22	35.31
1920	3.27	5.14	2.08	2.18	2.62	1.94	6.22	1.75	6.14	3.31	6.01	9.56	50.22
1921	1.59	4.91	4.15	2.75	2.80	4.04	4.22	3.08	3.10	3.52	5.10	2.07	41.33
1922	2.23	4.66	1.28	1.91	2.91	7.33	2.85	4.86	6.22	3.29	4.16	1.38	43.06
1923	4.32	1.79	2.57	6.83	1.70	1.30	2.13	2.05	5.35	4.25	3.56	3.31	39.18
1924	6.55	3.69	5.42	2.54	1.90	.79	6.45	3.25	2.37	3.00	3.17	8.30	47.43
1925	.10	3.25	1.53	2.32	3.37	4.35	3.05	2.78	3.13	5.00	1.79	4.57	35.24
1926	2.99	3.29	2.43	2.02	3.43	2.50	2.89	2.20	3.31	4.41	3.86	3.64	36.97
1927	5.52	4.85	2.46	2.18	2.65	.96	1.71	5.39	2.84	5.33	3.25	2.15	45.59
1928	6.01	9.81	5.31	2.40	3.71	1.70	4.16	2.39	5.66	7.52	8.34	2.81	80.12
1929	.75	1.90	.95	3.69	3.53	3.40	7.65	3.14	3.25	2.31	1.09	2.53	34.19
1930	2.87	3.12	3.15	2.16	1.73	3.31	1.65	4.10	7.19	5.15	5.28	1.58	41.29

PRECIPITATION RECORDS

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EGREMONT (South), MASS.—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	2.24	4.71	1.41	3.11	2.12	2.90	2.49	5.71	4.55	5.01	4.76	1.97	40.98
1932	3.85	1.39	3.03	3.82	2.80	3.56	3.06	1.92	3.95	5.35	3.36	2.34	37.78
1933	4.77	6.49	1.38	2.26	2.59	4.87	4.74	1.94	2.06	2.09	6.91	9.02	52.32
1934	2.40	1.20	3.34	3.54	2.16	2.42	3.12	4.51	5.85	3.51	4.29	9.52	45.84
1935	2.46	3.45	2.66	3.21	2.36	1.34	1.32	2.66	4.69	5.28	1.33	2.88	35.86
1936	.97	3.59	1.02	5.04	2.15	4.63	2.60	2.57	1.62	2.87	7.21	4.40	38.67
1937	2.46	1.37	3.83	4.55	1.72	3.21	3.04	4.04	5.04	2.91	7.59	3.80	43.66
1938	5.46	3.03	2.88	4.21	1.51	.88	2.51	3.19	6.53	6.66	4.55	9.93	53.34
1939	2.09	2.70	3.55	2.48	3.52	3.06	5.28	.94	2.87	1.67	3.90	3.50	35.56
1940	4.61	1.12	2.21	2.26	2.58	4.52	4.59	5.63	3.90	2.76	3.85	2.07	40.10
1941	1.42	4.95	2.58	2.45	1.87	1.63	.90	2.08	4.66	4.52	4.62	1.26	33.14
1942	2.02	2.35	4.06	3.97	1.55	5.63	1.39	3.28	2.54	5.41	3.20	5.55	40.95
1943	4.72	5.22	6.13	5.50	1.67	2.60	3.06	5.70	3.53	5.31	1.97	1.16	45.57
1944	4.74	4.67	.67	1.26	2.32	4.76	3.19	1.79	6.95	5.20	1.74	4.67	42.16
1945	2.30	4.28	2.10	3.74	3.08	1.73	5.61	6.62	5.61	13.50	3.62	4.00	56.19

ENFIELD, MASS. (a) (d)

Elevation, 550 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	2.15	2.21	3.10	1.26	3.61	4.96	5.31	2.55	3.41	-
1931	2.66	3.57	1.73	2.83	1.82	4.10	3.12	7.25	4.79	3.76	7.08	2.30	45.03
1932	3.11	1.39	3.98	4.50	2.42	4.83	2.75	1.34	2.71	3.61	3.78	5.04	39.66
1933	4.04	4.34	1.89	2.44	4.03	5.23	7.31	2.37	2.63	2.72	6.05	10.52	53.57
1934	4.67	1.93	3.58	3.55	2.99	3.35	4.14	4.79	5.43	2.73	3.44	9.59	50.19
1935	2.51	3.91	3.21	5.40	3.72	2.07	3.76	2.63	5.65	2.42	.74	5.17	41.19
1936	1.27	4.10	1.22	6.91	2.85	8.60	4.81	3.12	4.24	2.29	5.39	5.60	50.40
1937	2.66	2.15	6.62	6.08	2.38	3.53	4.07	5.05	6.49	2.60	5.97	5.20	52.90
1938	4.63	6.72	2.89	4.35	3.12	2.85	3.30	3.55	9.66	11.74	2.59	15.33	70.78
1939	2.75	3.42	3.75	2.74	3.44	2.19	5.02	1.25	3.23	-	-	-	-

FALL RIVER, MASS. (b)

Lat. 41°43', Long. 71°08'. Elevation, 190 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1893	-	-	-	3.09	7.52	4.68	4.63	5.80	2.77	1.85	6.77	3.28	-
1894	3.73	3.84	6.77	3.43	4.69	2.45	3.79	4.32	.90	3.24	1.89	4.76	44.01
1895	7.61	3.41	5.41	3.84	1.02	3.76	4.69	4.27	2.50	3.38	3.55	1.12	44.56
1896	5.68	5.30	3.00	2.32	5.82	5.64	1.20	2.87	4.23	4.42	3.87	8.03	52.58
1897	3.31	3.36	2.07	4.35	2.44	3.18	3.95	4.10	2.35	4.80	5.87	2.38	41.98
1898	1.10	8.22	4.43	4.67	6.12	3.07	5.15	4.96	.88	5.55	7.43	1.25	52.83
1899	1.05	6.04	2.30	5.56	4.72	7.37	2.28	1.90	3.55	3.82	1.73	6.64	48.96
1900	2.31	1.57	1.43	4.15	5.86	4.62	2.28	5.50	1.47	3.19	2.17	3.92	28.47
1901	4.92	4.26	2.81	2.47	.80	7.34	8.98	7.56	1.77	2.13	3.01	2.75	48.80
1902	2.65	2.13	9.57	2.39	5.82	5.50	3.39	1.02	3.52	1.72	.68	3.05	41.44
1903	4.11	1.48	6.76	4.48	4.99	7.13	4.76	1.08	5.14	2.16	4.11	.65	46.85
1904	5.68	2.01	3.32	5.41	3.39	2.60	9.41	2.84	3.22	2.12	4.26	2.14	45.20
1905	1.57	2.20	3.92	3.92	2.26	2.74	2.21	1.24	5.64	2.61	4.94	4.03	37.28
1906	1.96	2.29	4.26	3.67	3.97	6.88	2.99	3.89	4.29	4.07	2.61	2.92	42.84
1907	3.76	2.47	4.33	3.13	3.09	2.44	3.11	4.11	2.07	.88	1.08	7.33	37.80
1908	2.55	6.61	6.12	3.96	3.93	3.52	1.26	4.74	2.09	2.20	4.89	1.04	42.71
1909	5.68	1.05	4.05	2.78	5.58	3.82	5.94	2.82	1.04	.43	2.30	3.06	36.75
1910	1.76	3.47	3.26	5.72	4.55	1.86	1.80	2.12	4.01	2.54	3.66	2.46	37.21
1911	1.74	3.54	2.99	3.29	1.81	3.43	3.69	1.95	1.49	4.71	3.48	1.91	34.03
1912	2.28	6.79	3.71	4.39	2.94	8.73	3.57	3.94	.23	1.21	4.60	1.92	44.31
1913	1.19	4.66	5.95	4.49	3.30	3.47	6.36	2.01	1.05	2.87	2.87	2.95	41.17
1914	9.15	2.23	4.08	3.38	3.76	4.26	3.75	2.41	.70	3.95	2.73	1.28	41.66
1915	3.31	2.77	5.31	10.00	4.34	.05	2.21	2.04	2.27	3.17	5.25	1.73	42.45
1916	3.62	2.91	5.11	1.48	5.14	3.77	4.78	4.78	3.90	11.47	2.03	1.28	50.27
1917	3.01	3.14	3.71	3.63	2.73	5.04	3.17	4.77	4.63	1.21	3.75	2.93	41.72
1918	5.69	.45	3.10	4.01	3.56	2.46	5.51	2.00	3.24	2.51	3.98	4.42	40.93
1919	1.08	2.32	4.06	5.07	3.80	5.29	3.24	4.62	1.93	5.52	7.26	7.48	51.69
1920	2.51	3.71	2.33	3.54	7.39	5.12	3.87	5.48	8.69	2.28	2.17	1.34	50.63
1921	2.73	3.47	3.86	2.37	2.52	2.97	3.63	3.37	2.58	8.38	2.43	1.50	39.31
1922	1.20	7.68	3.02	2.31	3.35	4.66	2.45	4.95	6.23	4.10	6.78	2.31	51.05
1923	2.74	1.28	3.61	7.01	2.04	4.65	5.26	1.29	3.73	2.16	2.82	2.50	39.31
1924	4.11	2.98	6.57	5.05	3.93	2.29	6.24	3.21	1.96	1.07	7.75	4.80	49.96
1925	.22	1.76	2.58	4.41	1.94	3.77	2.77	2.75	2.61	4.75	3.25	5.17	35.98
1926	4.09	4.60	4.14	2.90	5.63	3.11	2.84	3.10	4.78	3.17	5.02	1.72	45.00
1927	3.63	7.33	3.21	3.48	2.97	2.08	2.13	3.11	2.70	3.83	13.02	4.80	52.39
1928	5.37	4.64	5.50	3.26	4.25	3.01	3.16	1.23	4.11	5.06	2.49	5.03	47.11
1929	4.31	1.78	1.94	4.23	4.24	4.56	7.77	3.28	.81	2.66	4.48	4.56	44.64
1930	3.65	3.31	5.24	3.12	3.93	2.70	1.63	3.18	2.23	2.87	3.37	1.06	36.49
1931	4.93	3.37	3.57	3.75	2.56	7.04	2.91	4.60	5.99	4.11	6.72	1.87	51.42
1932	3.54	1.10	2.79	6.02	2.55	5.11	1.88	2.59	3.08	2.54	4.58	6.81	43.39
1933	6.64	7.15	2.52	2.52	3.79	5.59	8.50	2.64	2.40	1.64	3.32	9.51	56.42
1934	2.56	3.00	3.64	3.95	3.49	4.05	4.81	3.56	4.10	1.01	3.35	3.44	40.96
1935	5.06	3.80	4.25	5.59	2.56	1.94	3.55	1.97	4.22	2.72	1.72	3.89	41.09
1936	1.49	6.53	1.83	6.98	2.61	7.47	4.03	.92	4.49	2.67	4.68	6.43	50.33
1937	2.99	1.54	11.38	4.72	1.42	3.94	5.40	2.58	4.65	1.05	3.22	2.55	45.44
1938	4.16	5.06	4.58	4.44	3.25	2.93	3.02	4.70	7.49	4.63	4.66	7.58	56.50
1939	4.05	3.39	5.07	3.42	5.39	5.93	6.18	1.55	3.71	1.09	4.31	3.09	47.18
1940	4.67	1.27	2.93	2.50	5.12	3.82	6.68	5.08	1.62	4.04	1.09	4.07	42.69

HYDROLOGY OF MASSACHUSETTS

FALL RIVER, MASS. (b)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1941	2.08	7.26	8.12	3.28	2.05	2.77	1.93	1.92	4.65	4.07	2.63	1.25	37.01
1942	2.60	2.27	5.20	4.22	3.10	7.56	1.16	2.05	2.10	2.68	7.24	1.66	39.39
1943	4.00	5.20	4.05	5.52	2.05	3.48	3.00	5.71	1.26	2.51	3.01	1.14	38.72
1944	4.10	2.81	1.36	2.80	2.12	4.66	3.95	.82	3.97	.90	1.94	6.80	35.73
1945	1.68	7.54	3.16	4.00	3.81	2.41	2.63	4.16	3.33	1.26	2.44	1.33	37.75

FALL RIVER, MASS. (Water Works Pumping Station).
Lat. 41°41'50", Long. 71°07'15". Elevation, 210 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1875	-	-	-	7.29	3.13	3.34	4.72	4.23	1.85	2.29	5.19	3.13	-
1874	6.28	6.58	5.18	3.46	3.17	2.10	9.45	4.86	4.05	3.59	9.92	3.68	62.32
1875	1.83	2.43	3.08	4.29	3.76	5.98	5.20	4.44	5.51	5.73	5.40	2.51	50.16
1876	3.76	5.31	1.04	1.31	5.76	8.57	5.93	3.19	1.53	4.73	1.36	3.80	46.29
1877	1.92	11.08	5.45	6.75	2.03	11.03	2.63	3.43	4.93	4.59	4.79	3.80	55.66
1878	9.99	9.80	1.70	7.78	4.40	4.37	4.65	2.61	2.92	2.59	2.70	1.84	55.02
1879	7.15	6.62	7.02	3.26	2.94	5.15	5.49	1.80	5.64	3.80	5.92	2.52	57.31
1880	1.00	3.15	3.69	2.04	3.49	4.25	4.36	.89	2.67	6.78	7.53	2.21	42.06
1881	3.44	3.58	4.02	7.11	6.64	5.86	2.10	3.58	6.20	2.47	.81	2.77	48.58
1882	2.05	5.86	2.90	3.94	7.05	3.81	4.30	3.84	2.63	1.61	.47	5.85	44.31
1883	5.16	1.77	3.54	5.05	4.49	1.92	3.08	3.06	1.24	5.11	.48	2.90	37.90
1884	5.33	3.89	3.00	8.66	6.13	5.69	4.84	3.25	3.56	5.13	6.35	.81	54.64
1885	1.82	4.54	6.73	5.99	3.19	1.92	2.60	3.55	3.31	1.11	4.07	1.58	40.41
1886	4.93	3.16	3.24	6.83	10.91	4.26	2.00	3.73	1.17	2.25	4.12	1.82	48.42
1887	4.85	5.06	3.93	7.16	5.31	5.55	4.06	2.58	5.04	3.95	3.91	1.44	52.84
1888	3.89	2.88	5.05	5.66	4.18	7.44	3.19	6.28	1.17	4.34	5.20	7.91	57.19
1889	3.63	10.25	5.05	7.19	2.94	3.33	4.68	4.68	3.08	5.95	8.09	4.69	61.56
1890	4.79	9.35	2.82	2.92	3.59	9.71	4.31	8.13	4.15	2.02	5.15	4.96	59.70
1891	10.67	1.54	4.55	10.45	6.90	7.17	3.52	2.31	1.76	2.73	2.70	1.81	56.11
1892	6.02	3.42	4.30	6.16	1.72	4.96	2.24	4.04	2.14	1.80	5.01	3.54	45.55
1893	1.65	7.10	1.86	3.02	6.29	2.98	3.08	4.26	2.84	1.52	6.33	3.17	44.10
1894	4.66	4.12	6.47	3.04	3.47	1.63	4.58	3.56	1.06	2.71	2.51	5.15	42.98
1895	7.93	5.24	5.68	4.05	.66	4.02	4.74	4.17	2.99	3.88	3.08	1.66	48.10
1896	5.06	8.65	3.03	2.40	5.04	7.32	1.53	2.48	5.05	4.74	3.94	9.66	58.88
1897	4.14	3.96	1.85	4.47	2.17	3.01	4.30	4.08	3.18	5.16	6.08	2.02	44.42
1898	1.29	9.45	4.83	3.90	7.06	3.60	5.52	5.75	1.34	5.24	8.57	1.86	58.41
1899	12.00	7.06	2.27	5.84	4.11	7.44	2.92	1.82	4.46	3.87	1.85	7.90	61.04
1900	2.39	2.44	1.45	4.93	6.75	5.47	2.81	5.76	1.72	3.14	2.17	4.03	43.06
1901	5.78	4.58	2.54	2.43	.91	7.90	9.58	9.06	1.78	2.98	2.25	2.70	52.99
1902	3.44	2.46	10.16	2.02	4.03	6.06	3.07	1.55	4.03	2.24	.79	2.87	42.82
1903	3.94	1.08	7.17	3.98	4.31	7.77	4.79	1.83	5.25	2.25	3.83	.87	47.07
1904	4.12	2.13	3.07	4.19	3.42	3.96	8.56	3.05	3.34	2.47	4.06	2.53	42.80
1905	1.28	2.17	3.22	2.80	1.61	2.48	2.07	1.31	5.08	2.94	4.84	3.92	33.72
1906	2.05	2.71	3.97	3.16	3.72	6.03	2.45	4.44	3.04	4.53	3.21	3.06	42.37
1907	2.96	2.31	2.81	3.75	2.09	1.71	3.19	4.11	1.98	.88	1.22	6.41	35.42
1908	2.20	5.08	4.61	2.80	3.69	3.24	1.53	3.73	2.24	1.95	4.73	.90	38.70
1909	6.13	1.17	3.69	4.45	5.03	3.19	5.69	2.99	1.48	.44	2.16	3.12	39.54
1910	1.76	3.80	2.84	4.82	3.92	2.13	1.59	2.67	3.33	2.89	2.76	1.89	34.40
1911	1.67	3.48	2.60	3.48	1.86	2.50	2.96	1.83	1.45	5.05	2.39	2.59	31.86
1912	2.05	6.25	2.98	3.92	2.11	3.44	3.66	4.21	1.24	1.09	3.29	1.98	40.22
1913	.94	4.07	6.22	4.45	3.69	3.01	5.85	1.61	1.05	3.17	2.89	2.50	39.45
1914	9.73	2.13	3.81	2.07	3.17	3.97	3.40	2.56	.87	4.19	3.03	1.24	40.17
1915	3.00	2.90	4.84	9.28	4.11	.08	1.68	2.05	2.23	2.28	5.33	1.81	39.59
1916	3.48	3.04	4.73	1.47	4.72	3.22	4.29	4.31	3.72	9.85	2.20	1.06	46.09
1917	2.11	1.93	4.65	2.44	2.91	5.08	3.33	4.98	4.79	1.33	3.03	2.89	39.47
1918	4.67	.27	2.03	3.17	2.86	2.04	4.92	1.90	3.06	2.71	3.44	3.55	34.62
1919	.82	2.00	3.49	5.76	3.80	4.15	3.07	4.23	1.89	5.21	6.49	6.87	47.78
1920	2.18	3.95	2.91	3.45	6.36	4.78	5.29	4.95	8.30	1.98	2.51	1.00	47.68
1921	3.38	3.34	3.87	2.47	2.02	3.23	3.36	3.42	1.85	10.03	2.35	1.20	41.52
1922	1.07	7.94	2.44	1.89	3.21	5.29	2.57	4.65	6.46	5.10	9.11	2.84	52.57
1923	3.27	1.27	3.55	6.25	1.95	5.39	5.58	.93	3.43	2.00	2.59	2.42	38.63
1924	4.21	2.48	5.68	4.16	3.26	3.92	5.86	3.04	1.76	1.12	7.62	4.22	47.53
1925	.23	1.52	2.40	3.85	1.68	3.60	2.47	3.07	2.85	3.64	2.89	4.52	32.72
1926	4.11	4.17	4.23	2.80	4.98	3.48	2.26	3.19	2.81	2.58	4.13	1.12	39.86
1927	5.83	4.82	3.29	3.40	2.95	1.72	1.90	2.41	2.26	3.97	12.59	3.49	48.65
1928	4.56	4.55	4.78	2.56	3.80	3.11	4.19	1.89	3.98	5.08	1.94	4.55	44.80
1929	3.21	2.15	3.61	3.60	4.73	4.04	7.82	3.25	.81	3.00	3.94	4.08	44.24
1930	2.74	3.00	5.81	3.62	4.07	2.44	1.44	3.11	2.16	2.50	3.29	.73	34.91
1931	4.28	3.65	4.30	3.97	3.41	8.09	2.73	4.69	6.47	3.43	5.81	2.02	52.83
1932	3.14	.88	3.46	7.02	2.94	5.63	1.24	2.54	2.66	2.39	4.07	7.24	46.21
1933	5.99	6.72	3.09	2.43	3.63	6.16	8.35	2.65	2.29	1.32	4.22	3.77	58.82
1934	2.44	2.84	4.00	4.10	4.48	4.27	4.84	3.17	3.46	.92	2.30	3.50	40.32
1935	3.75	2.20	3.34	6.77	3.28	1.99	4.59	1.74	3.47	2.17	2.59	3.72	39.61
1936	1.72	6.92	1.38	7.21	2.76	6.81	3.66	1.02	3.24	3.05	4.12	8.47	50.38
1937	2.37	1.20	10.19	4.38	1.30	4.27	4.94	2.45	4.19	.51	3.50	3.66	42.86
1938	3.64	5.01	4.42	3.95	3.63	2.72	3.16	4.05	8.52	4.01	3.96	7.29	54.36
1939	3.19	3.37	4.02	3.76	5.30	6.79	4.93	1.28	2.87	.79	5.61	3.05	44.96
1940	5.28	1.47	2.00	2.94	5.70	4.09	8.57	4.69	1.00	4.57	1.43	3.88	45.60
1941	1.62	7.72	2.78	4.73	3.13	3.37	2.58	1.38	5.56	4.35	2.04	1.26	40.52
1942	2.35	2.21	3.74	4.47	3.57	8.91	1.01	1.53	1.52	2.54	6.72	2.08	40.45
1943	4.11	5.29	4.57	3.60	1.84	3.48	3.42	2.75	1.35	2.60	2.67	1.54	37.22
1944	3.92	2.85	1.46	2.56	2.40	5.16	3.95	.72	3.54	.59	1.63	6.17	34.95
1945	1.93	7.96	3.23	4.17	4.45	2.53	2.65	3.85	3.18	1.59	2.27	1.09	36.90

PRECIPITATION RECORDS

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FALMOUTH, MASS. (Hatchville).^(a)
 Lat. 41°37'15", Long. 70°32'20". Elevation, 70 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1919	-	-	-	5.27	3.67	5.34	3.35	4.51	2.98	7.93	6.76	7.46	-
1920	3.06	4.92	3.01	2.60	5.68	5.35	5.79	5.41	6.77	2.85	1.83	2.25	49.52
1921	4.10	3.65	4.79	2.40	1.47	3.68	4.82	6.22	2.35	6.99	3.73	1.15	45.35
1922	2.49	8.96	2.15	1.90	3.51	6.05	2.32	4.83	3.93	4.26	6.59	1.95	48.74
1923	3.70	1.42	4.09	4.29	.99	5.60	6.27	1.07	3.31	4.17	2.54	1.69	38.94
1924	4.43	1.98	5.05	5.92	3.05	3.19	6.28	2.95	2.43	1.52	3.98	3.15	46.78
1925	.58	2.11	2.32	1.66	1.97	3.14	3.30	3.57	4.01	3.55	1.31	3.52	30.94
1926	5.10	4.22	3.70	3.55	4.20	2.67	2.28	5.12	3.48	3.14	4.27	1.81	45.54
1927	8.34	3.78	2.75	2.50	2.85	1.42	1.80	2.46	6.46	4.15	8.02	3.85	48.28
1928	3.86	4.76	5.69	3.37	5.13	3.60	4.94	2.80	5.58	4.26	.80	8.04	52.83
1929	1.19	3.82	3.14	2.99	3.84	5.01	7.09	4.45	.24	1.45	6.35	6.71	46.28
1930	2.75	3.40	4.51	4.24	3.63	2.36	1.10	2.77	2.06	2.19	2.89	.20	32.08
1931	4.31	5.74	3.61	4.40	3.88	8.14	4.30	7.70	6.42	3.55	4.75	2.31	59.11
1932	5.76	.88	3.71	6.15	2.58	5.02	1.35	1.99	4.82	3.31	2.83	6.80	45.20
1933	4.83	5.17	2.70	2.57	3.92	6.58	6.73	3.07	2.49	4.08	5.58	14.75	63.45
1934	6.02	3.53	4.07	3.44	3.66	4.21	3.45	1.80	3.73	.36	2.43	1.66	33.41
1935	5.31	2.77	4.30	5.01	2.99	2.04	3.57	1.93	4.74	4.20	1.69	6.91	45.46
1936	3.12	6.82	1.47	6.06	2.66	6.19	2.83	2.07	4.62	1.75	4.62	8.91	51.32
1937	3.79	2.37	8.59	3.99	1.51	3.26	4.80	2.94	3.14	.77	7.00	6.33	48.49
1938	5.11	4.65	3.60	4.27	2.86	3.15	4.48	4.24	6.46	2.99	5.51	5.85	53.17
1939	4.83	4.56	3.72	3.86	5.67	7.16	5.07	1.05	3.27	.95	5.21	2.84	48.19
1940	3.67	2.94	2.11	2.28	6.27	4.75	6.05	3.31	2.04	4.07	1.25	4.86	43.60
1941	2.84	4.95	3.84	4.46	1.86	2.88	3.27	1.13	7.82	3.68	5.97	.05	42.75
1942	2.50	2.72	2.74	4.87	3.29	7.95	.61	2.28	3.02	2.51	7.18	4.38	43.65
1943	4.40	4.21	3.53	4.50	2.25	3.89	3.85	3.88	1.97	4.52	6.20	3.04	46.24
1944	3.21	3.11	1.48	3.40	2.06	5.51	5.70	.92	2.05	.63	1.55	4.13	33.75
1945	3.01	10.92	3.74	3.74	4.00	2.53	1.77	4.14	5.75	1.08	2.39	1.19	44.06

FALMOUTH, MASS. (Woods Hole).
 Elevation, 22 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1873	-	-	-	4.76	4.92	3.15	4.63	4.32	1.01	1.56	3.07	3.66	-
1874	5.54	9.05	6.23	3.92	2.73	1.10	9.32	3.45	4.47	2.26	3.80	2.03	53.90
1875	.61	3.36	4.18	4.20	2.88	5.34	3.95	4.52	2.23	4.68	2.37	2.79	41.11
1876	3.62	4.77	1.23	2.11	6.02	5.12	5.03	1.43	1.37	3.13	.99	5.88	40.70
1877	.94	11.70	4.49	2.83	2.84	10.78	4.20	2.39	2.22	5.69	5.42	.28	55.78
1878	6.97	6.80	1.20	5.47	3.43	6.23	5.09	4.28	2.25	2.69	6.65	1.50	52.54
1879	4.85	4.90	3.27	3.37	1.98	6.39	4.79	1.35	2.31	3.31	4.81	2.22	41.25
1880	1.37	3.54	2.86	1.69	2.13	3.73	2.85	.88	1.71	3.77	5.39	1.27	31.19
1881	3.18	1.69	3.03	2.57	5.46	4.22	2.12	2.39	6.25	1.71	.65	2.50	35.77
1882	2.68	5.52	2.06	4.22	-	-	-	-	-	-	-	-	-
1887	-	-	-	-	-	3.00	4.42	1.91	4.03	2.93	10.84	1.99	-
1888	2.21	2.84	4.59	3.66	1.79	4.63	1.69	5.59	1.35	5.03	1.36	11.27	46.01
1889	3.61	6.22	3.25	3.91	4.39	2.87	4.44	5.33	1.96	3.63	4.21	3.37	47.19
1890	4.49	5.45	2.06	2.36	2.84	8.39	2.78	2.72	5.25	2.55	4.65	4.71	48.25
1891	9.79	1.31	3.90	6.95	6.26	4.15	2.84	1.94	1.16	2.18	3.57	3.72	47.77
1892	7.09	1.65	3.68	3.58	1.95	5.11	2.61	5.43	1.80	1.64	2.45	2.85	39.84
1893	2.08	8.47	1.72	3.53	7.18	6.09	5.26	5.02	2.61	2.88	6.27	2.99	54.10
1894	1.66	2.94	5.67	5.07	4.69	1.81	3.97	3.52	1.23	.68	1.31	2.24	34.79
1895	9.29	3.87	5.63	4.00	1.02	3.87	3.20	3.44	2.04	4.42	3.54	1.22	45.34
1896	2.90	4.61	3.35	1.75	4.26	4.83	1.33	3.58	3.62	2.81	2.99	5.66	41.69
1897	4.53	2.49	3.18	3.46	1.96	2.83	2.73	3.02	2.05	5.30	3.23	.93	35.71
1898	1.92	7.34	4.18	3.94	4.14	3.12	5.83	4.66	1.10	5.18	5.10	.76	47.27
1899	7.94	6.94	2.97	3.25	4.10	8.44	2.42	1.58	3.35	3.36	2.91	3.53	50.79
1900	1.91	1.67	1.52	4.96	5.21	3.56	2.82	3.63	-	-	-	-	-

FITCHBURG, MASS. (Dr. Jabez Fisher.)
 Lat. 42°36', Long. 71°50'. Elevation, 625 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1865	-	-	-	2.45	1.26	4.14	2.27	7.70	2.28	1.58	2.19	0.27	-
1866	5.19	3.76	2.14	1.02	8.33	4.58	6.09	4.19	5.53	5.22	3.97	3.56	53.58
1867	2.68	3.52	2.28	1.47	2.76	1.76	2.80	4.03	6.52	4.35	10.72	.64	43.53
1868	3.02	2.87	1.28	1.97	.85	1.62	2.98	8.04	2.58	1.18	3.41	14.04	43.52
1869	1.00	3.69	1.22	1.78	3.14	3.73	1.98	5.37	4.45	2.16	1.72	4.08	34.32
1870	15.01	2.15	3.44	5.58	4.10	2.91	4.58	2.09	2.38	1.40	1.71	1.85	45.20
1871	3.65	2.21	2.70	1.14	1.95	2.81	2.37	2.72	5.48	2.30	4.30	1.41	33.04
1872	4.72	3.44	1.23	1.55	1.04	1.97	2.19	2.79	4.17	3.57	10.09	3.42	40.18
1873	3.45	4.01	1.84	3.21	1.41	2.24	1.03	3.90	.09	5.91	4.90	4.07	36.06
1874	7.34	2.27	2.42	3.71	2.48	.88	3.40	3.22	4.60	6.45	3.24	1.81	41.82
1875	2.46	1.98	.76	1.45	2.77	3.19	5.23	4.20	3.97	3.07	5.71	2.83	37.62
1876	5.58	3.24	.58	1.50	6.16	5.76	1.77	3.78	3.00	5.37	.17	3.92	40.83
1877	1.73	3.21	1.68	1.70	.34	6.15	2.94	2.73	2.45	3.40	2.40	.44	29.17
1878	7.04	5.64	.82	3.23	.75	3.10	5.35	.57	4.66	2.89	7.64	.90	45.50
1879	4.25	4.62	6.16	1.48	2.45	2.78	2.12	2.74	7.20	4.08	7.32	2.54	47.54
1880	.65	2.49	3.23	3.67	2.86	1.47	2.47	1.67	2.00	7.59	2.31	2.06	32.46

HYDROLOGY OF MASSACHUSETTS

FITCHBURG, MASS. (Dr. Jabez Fisher)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1881	2.32	2.06	1.57	2.73	2.87	3.36	1.05	3.45	4.15	2.73	1.93	1.40	29.62
1882	2.48	3.75	3.94	3.05	3.36	2.58	1.20	5.14	2.66	2.19	.78	8.94	40.07
1883	1.67	.58	1.36	2.15	2.90	.99	1.49	3.54	2.94	2.74	1.42	1.47	23.05
1884	4.45	1.50	1.86	4.05	4.35	3.41	3.12	2.33	2.72	3.17	3.95	.67	35.58
1885	1.46	2.13	4.91	5.03	2.90	.38	2.23	2.24	1.36	1.85	8.63	1.57	34.66
1886	3.41	5.61	2.39	6.46	5.34	3.27	2.55	3.12	1.74	3.90	2.79	4.91	45.49
1887	3.19	5.32	4.44	6.12	5.04	4.79	4.84	2.77	3.34	7.23	9.38	2.45	58.91
1888	1.99	3.59	4.04	4.65	4.30	4.43	3.50	3.80	4.36	1.94	5.01	10.57	51.96
1889	5.40	6.28	3.26	5.72	1.72	1.97	3.12	3.28	2.62	7.17	2.31	3.55	48.31
1890	5.08	6.22	3.22	3.13	3.64	6.07	1.86	5.54	1.96	3.71	6.07	5.96	52.46
1891	8.55	1.63	3.71	7.06	4.56	5.17	4.26	1.79	3.48	3.95	2.48	1.87	48.51
1892	3.73	2.97	4.28	5.28	2.81	3.81	.57	6.43	2.78	2.94	7.75	1.75	45.08
1893	.62	6.11	.78	2.30	6.89	2.77	2.78	8.25	2.65	1.54	7.58	1.60	43.87
1894	5.03	2.48	4.95	2.99	3.63	.81	2.75	4.06	1.63	1.73	.58	3.55	34.19
1895	4.44	3.68	3.28	3.32	1.28	2.55	4.73	2.32	3.24	6.26	2.09	2.70	39.89
1896	7.10	5.88	3.78	3.27	6.95	5.81	1.05	1.90	2.25	2.57	2.29	6.59	48.54
1897	2.92	5.00	1.69	2.61	2.42	2.66	4.33	4.96	5.03	12.63	2.50	2.77	48.54
1898	1.03	7.33	6.39	3.18	4.14	1.60	5.37	4.11	3.82	2.84	7.80	2.97	52.38
1899	7.96	7.27	2.85	3.27	3.59	6.87	1.07	1.38	3.35	4.47	2.87	4.72	49.67
1900	1.93	2.18	2.03	4.03	7.15	5.94	2.48	3.10	2.84	2.61	3.97	4.13	42.39
1901	4.05	6.35	3.57	4.77	.77	5.06	9.91	7.46	1.19	5.13	4.50	1.73	54.49
1902	3.52	1.67	8.46	2.00	3.20	5.23	6.19	2.31	2.93	3.50	3.97	4.52	47.51
1903	6.30	.73	6.75	2.68	3.59	5.86	3.69	1.20	10.34	3.05	3.43	2.29	49.91
1904	1.67	2.00	3.88	4.27	2.02	3.00	8.06	3.28	3.65	2.20	3.79	4.02	42.02
1905	2.00	1.97	1.77	5.65	1.52	3.96	2.03	1.34	6.49	4.20	5.25	6.25	42.43
1906	1.96	1.97	3.23	2.20	2.18	4.66	2.31	7.06	6.84	5.71	3.46	1.57	43.15
1907	3.87	1.82	3.90	2.22	1.51	1.74	1.92	2.71	5.06	4.09	1.23	9.30	39.37
1908	4.72	6.63	3.29	2.60	3.69	2.35	1.64	6.39	1.06	3.41	7.66	1.05	44.59
1909	2.52	1.11	2.71	3.20	5.49	3.30	4.19	2.43	3.06	1.70	3.20	4.05	36.96
1910	1.31	2.60	3.07	5.25	4.85	1.22	2.76	1.61	4.87	1.72	2.71	3.05	35.02
1911	1.18	1.42	1.95	2.54	2.09	3.45	1.66	1.16	3.04	2.36	6.64	2.29	32.48
1912	5.70	3.43	2.77	2.29	2.18	5.16	3.21	4.36	.20	5.98	2.79	3.50	39.37
1913	2.71	2.66	2.39	2.64	2.93	4.93	2.83	2.71	2.43	2.48	4.78	4.79	39.89
1914	5.65	2.11	2.65	2.28	2.29	3.68	3.93	2.18	1.31	1.76	7.28	1.16	31.79
1915	1.60	1.98	3.37	5.20	3.05	1.00	1.33	1.44	1.31	8.74	7.28	1.41	37.21
1916	2.79	3.20	4.74	.69	4.99	3.06	3.12	4.51	6.65	4.25	2.01	-	-

FITCHBURG, MASS. (Dr. A. P. Mason.)
Lat. $42^{\circ}35'$, Long. $71^{\circ}47'$. Elevation, 550 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	-	-	-	3.13	1.04	3.29	3.10	1.68	2.45	9.55	1.53	-
1886	4.10	5.85	2.85	5.56	4.64	3.13	2.60	3.17	1.85	4.67	3.15	5.00	46.57
1887	2.79	5.10	4.63	4.93	5.45	4.31	5.09	2.70	3.47	7.09	9.77	3.50	58.63
1888	2.08	3.63	4.26	3.89	4.56	5.17	3.58	4.35	4.04	2.63	4.79	10.86	53.84
1889	5.92	6.43	4.87	4.86	1.72	1.83	3.07	3.34	2.92	7.25	3.02	3.77	49.14
1890	5.77	6.74	3.48	3.24	4.07	6.22	2.18	5.50	1.97	4.79	6.60	6.38	56.94
1891	9.26	1.68	2.99	6.95	4.19	5.15	4.17	1.76	3.44	3.52	2.46	1.88	47.45
1892	3.37	2.68	4.02	5.01	2.50	2.97	1.57	5.95	3.07	3.08	6.83	1.55	41.60
1893	.66	5.30	.86	2.39	6.23	3.24	2.78	6.83	2.22	1.56	8.95	1.54	42.56
1894	4.92	2.33	4.70	2.65	2.48	1.11	3.31	3.56	1.00	1.75	.66	3.97	32.44
1895	4.04	3.24	3.46	3.75	.92	2.84	4.85	2.11	3.50	2.92	2.16	2.38	36.17
1896	7.86	4.53	3.90	1.34	6.96	5.32	1.16	1.92	1.92	2.72	2.06	6.32	46.01
1897	2.76	3.11	1.46	3.22	2.86	3.83	1.81	4.41	4.37	8.88	3.08	1.94	41.73
1898	.91	6.91	5.70	5.52	4.01	1.37	4.39	3.36	3.06	3.23	7.67	2.54	48.67
1899	6.99	6.76	2.97	3.47	3.19	7.36	1.64	1.12	4.29	4.23	2.34	4.82	49.18
1900	1.62	2.09	1.76	4.49	8.96	6.55	2.10	2.83	2.38	2.66	3.63	4.09	43.16
1901	3.58	5.91	2.80	1.70	.75	4.98	8.98	6.94	1.10	6.03	4.14	1.63	48.54
1902	3.46	1.49	8.30	2.06	2.85	5.23	3.65	2.69	2.85	3.42	3.85	4.23	44.08
1903	6.28	.45	6.34	2.65	3.61	5.14	2.49	1.05	8.98	3.08	3.06	2.46	45.59
1904	4.10	2.13	3.26	3.25	1.82	2.89	6.13	3.53	3.48	2.44	3.85	3.68	40.56
1905	1.71	.73	2.44	5.56	1.44	3.96	2.28	1.35	5.60	4.62	5.38	6.10	41.17
1906	1.94	2.04	3.17	2.50	2.29	4.67	2.38	6.78	5.72	5.37	3.00	1.61	41.47
1907	3.81	1.98	4.23	2.69	1.64	1.68	2.62	2.54	3.51	3.44	1.13	8.90	38.17
1908	4.87	4.96	3.63	2.19	4.10	2.36	1.61	5.22	1.15	4.40	7.32	1.06	42.87
1909	1.90	.93	2.82	2.93	5.71	3.62	4.43	1.98	2.84	2.48	3.08	4.11	36.88
1910	1.34	1.82	4.01	5.07	4.16	1.14	2.78	1.84	4.35	1.91	3.57	5.01	35.00
1911	1.34	2.69	2.11	2.49	2.11	2.98	1.63	1.80	2.83	2.52	6.48	2.37	31.35
1912	4.64	3.41	3.01	2.25	1.89	5.39	3.13	3.92	.39	3.66	2.86	2.95	37.50
1913	2.19	3.12	3.91	2.52	2.31	4.68	2.94	3.28	.44	1.74	4.96	5.03	37.12
1914	5.26	2.30	2.44	2.28	2.19	3.45	4.01	1.90	1.51	2.83	2.52	.19	30.88
1915	1.62	2.63	3.28	4.73	3.05	T	1.83	1.46	1.31	10.30	6.49	1.19	37.89
1916	2.68	2.68	4.74	1.32	4.44	2.53	2.76	3.30	6.53	4.77	2.54	3.48	41.77
1917	94	2.46	2.47	2.54	2.31	2.73	1.66	2.68	4.78	2.11	2.74	.72	28.14
1918	4.42	.84	2.86	2.48	3.11	1.97	2.15	2.92	4.39	3.64	2.12	7.53	38.43
1919	1.03	2.60	3.01	3.48	2.21	5.55	2.08	5.39	.92	3.86	2.93	5.44	38.50
1920	2.51	5.26	1.61	1.73	4.03	3.50	5.12	3.45	4.84	4.92	3.13	7.60	47.80
1921	1.57	3.80	6.41	2.01	3.23	2.38	5.51	3.83	2.86	7.39	2.17	2.69	43.85
1922	2.25	5.28	2.17	2.42	2.78	4.33	1.75	4.16	10.30	4.53	3.92	4.89	48.88
1923	2.49	1.52	3.23	6.93	1.67	2.46	4.03	1.38	2.57	2.22	2.33	1.34	32.17
1924	3.09	5.07	3.84	3.55	1.97	2.13	4.67	3.05	1.16	2.14	3.36	4.49	38.52
1925	T	2.94	1.94	-	-	-	-	-	-	-	-	-	-

FITCHBURG, MASS. (Sentinel Office, roof gage)
Lat. 42°35'00", Long. 71°48'00".

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1927	-	-	-	-	-	-	-	-	3.26	4.51	8.49	4.68	-
1928	4.44	7.85	5.43	2.94	3.90	1.88	6.03	2.81	6.25	7.74	5.51	4.10	58.88
1929	1.49	2.92	2.72	2.72	4.74	3.57	6.78	5.78	4.49	1.03	2.02	1.76	40.02
1930	4.21	2.65	3.04	1.65	1.71	4.35	2.00	3.05	5.29	4.47	1.27	1.68	33.25
1931	3.92	3.89	2.49	3.48	2.79	5.28	3.59	4.95	8.74	2.37	7.09	2.09	50.66
1932	2.50	1.69	3.23	3.22	2.82	4.61	2.85	1.98	1.11	2.66	3.99	7.38	37.82
1933	7.02	4.89	1.76	2.75	3.90	6.00	7.78	3.12	1.08	2.38	6.21	8.91	55.90
1934	4.00	1.63	3.56	3.95	3.06	3.95	4.90	4.04	6.65	3.83	1.78	9.22	50.57
1935	2.40	2.23	4.14	6.08	3.02	1.52	3.70	1.54	8.39	2.84	2.50	5.52	43.88
1936	.74	4.72	1.04	7.38	2.69	12.85	4.36	1.85	3.65	1.75	5.66	1.93	48.60
1937	5.44	1.74	7.86	4.97	1.99	3.52	5.73	4.24	5.24	1.72	3.99	3.76	50.20
1938	4.01	7.75	3.00	2.19	1.99	2.16	3.26	4.34	7.34	10.75	4.56	11.52	62.87
1939	2.02	3.71	3.16	3.05	1.70	4.55	4.41	1.65	2.54	1.08	2.91	1.56	32.30
1940	4.09	.99	2.95	3.09	5.26	5.87	6.02	6.82	1.97	2.39	1.76	2.45	41.64
1941	.95	8.53	2.65	2.61	2.04	2.55	1.80	2.92	2.20	3.74	3.01	.61	31.57
1942	2.52	3.05	3.10	4.02	2.94	6.95	1.53	2.93	5.84	4.93	2.38	2.73	42.72
1943	3.59	4.94	5.21	3.82	1.01	3.05	3.05	6.29	2.01	4.11	2.25	1.22	40.51
1944	8.31	5.58	.71	1.79	2.67	4.27	4.78	1.51	12.29	2.88	.46	8.15	51.20
1945	1.84	4.04	3.46	3.69	4.51	1.83	4.45	5.87	7.53	4.44	3.65	2.23	47.54

FITCHBURG, MASS. (Sewage Works) (b)
Lat. 42°35'20", Long. 71°46'05". Elevation, 400 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	-	-	-	1.63	4.80	2.87	6.09	3.49	4.83	3.37	4.73	6.55	-
1921	0.91	5.23	6.79	2.03	2.87	2.47	7.63	2.26	4.03	5.82	1.72	2.21	43.97
1922	1.77	5.21	3.31	2.51	2.55	5.31	1.15	5.45	6.73	4.10	4.07	2.40	44.56
1923	2.65	1.58	4.68	5.83	2.06	2.62	4.81	1.47	2.03	2.13	2.07	1.61	33.32
1924	4.75	6.51	4.46	4.48	2.97	2.17	6.11	4.09	1.04	2.17	2.64	3.58	44.57
1925	1.07	3.27	2.13	3.82	2.30	6.40	2.72	2.16	4.03	4.37	1.99	3.09	37.35
1928	3.95	3.76	4.61	2.81	5.65	2.92	2.26	1.72	1.95	2.85	4.36	1.22	38.02
1927	5.36	5.01	3.73	2.82	4.68	1.48	2.00	3.33	2.58	4.11	7.46	4.57	47.13
1928	4.64	7.63	5.67	2.67	3.78	1.81	5.66	2.97	6.29	7.11	4.71	5.85	56.79
1929	1.58	2.52	1.88	4.64	4.24	2.78	6.06	5.16	3.92	.95	1.69	1.64	36.86
1930	2.97	2.54	2.97	1.75	1.57	4.07	2.02	2.99	3.12	5.50	1.59	1.46	32.55
1931	3.66	4.03	2.22	3.52	2.59	5.05	3.16	4.91	5.94	2.48	5.57	2.04	45.17
1932	2.30	1.23	3.75	4.76	2.89	4.43	2.15	1.61	1.17	2.85	3.67	7.96	38.77
1933	6.86	4.54	2.15	2.66	4.20	6.61	6.89	3.14	2.17	2.79	5.50	9.67	57.18
1934	4.03	1.44	3.80	3.58	3.51	4.21	4.57	3.88	5.58	2.26	1.90	8.99	47.75
1935	2.62	2.37	3.51	6.57	3.46	1.85	3.52	2.04	6.72	3.69	2.02	5.18	45.55
1936	.82	4.73	1.44	7.78	2.78	12.15	3.67	1.99	3.07	1.68	4.31	1.82	46.24
1937	4.74	1.63	8.31	5.22	2.12	8.35	5.39	5.22	4.15	1.09	3.39	5.26	47.87
1938	5.35	7.56	3.29	4.84	1.94	2.46	3.19	3.62	7.46	11.16	5.20	10.92	55.47
1939	1.87	3.72	3.21	2.96	3.85	4.62	4.47	1.59	1.74	1.04	5.58	1.67	34.10
1940	3.93	.91	3.11	3.10	5.49	4.02	6.09	7.29	1.91	2.86	1.44	1.95	42.10
1941	.78	6.84	2.73	3.47	2.18	2.25	.88	2.61	2.35	3.84	2.84	.49	31.26
1942	1.68	3.32	3.66	3.39	3.88	6.73	1.53	3.25	6.43	5.14	1.94	2.54	43.29
1943	2.97	5.02	5.58	4.12	1.44	5.57	3.52	5.85	1.97	4.00	3.31	1.26	42.61
1944	6.15	4.93	.73	1.73	2.70	4.36	4.40	1.29	11.56	1.94	.54	6.41	46.74
1945	1.86	3.45	3.23	3.58	4.73	1.78	4.17	5.11	6.36	4.23	3.12	2.11	43.73

FLORIDA, MASS. (Hoosac Tunnel) (b)
Lat. 42°41', Long. 72°58'. Elevation, 800 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	-	-	-	-	3.79	4.00	4.12	2.36	2.14	-
1931	1.52	3.57	1.44	3.15	2.00	3.52	3.37	5.39	5.70	4.90	3.49	4.52	42.57
1932	2.16	1.60	4.67	5.94	2.95	3.23	2.95	2.35	2.06	4.15	3.92	1.52	37.50
1933	4.41	6.53	2.04	2.98	3.47	4.07	6.68	1.98	2.25	2.31	7.05	6.02	49.79
1934	2.87	1.54	3.83	3.81	2.35	2.84	5.19	3.27	5.88	4.07	2.52	6.96	45.11
1935	1.92	3.48	3.84	6.22	2.88	2.40	1.84	2.70	5.29	6.15	1.20	4.65	42.57
1936	1.02	4.70	1.43	5.53	2.01	10.26	4.57	2.84	2.02	2.10	7.30	1.85	45.61
1937	3.64	2.51	5.75	5.41	4.35	3.45	5.95	6.86	4.08	2.81	5.75	5.65	53.95
1938	6.29	5.00	2.48	5.01	2.64	2.52	3.10	3.41	6.42	6.76	4.12	14.34	61.79
1939	1.80	2.62	3.95	2.76	3.02	4.26	7.00	1.61	3.76	1.67	3.34	3.06	38.85
1940	4.43	.97	3.06	2.77	4.37	4.94	5.83	4.46	3.87	4.34	1.54	4.34	44.92
1941	.97	5.85	5.15	2.22	2.31	2.47	1.06	3.50	3.79	5.13	1.89	3.02	37.36
1942	3.11	3.37	4.26	2.74	2.85	7.11	2.38	4.58	2.43	6.38	1.58	4.64	45.41
1943	3.18	7.07	6.06	3.20	1.92	3.12	4.28	8.67	3.04	7.31	3.77	.94	52.66
1944	5.30	5.71	.71	1.64	2.69	4.96	4.22	1.52	6.71	4.24	1.25	6.51	45.26
1945	2.33	2.79	4.31	4.04	4.21	1.77	7.11	6.62	6.56	6.69	2.89	3.19	52.51

HYDROLOGY OF MASSACHUSETTS

FRAMINGHAM, MASS. (c)
 Lat. 42°17'35", Long. 71°27'00". Elevation, 160 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1876	-	-	-	1.48	4.06	7.09	3.92	2.66	1.33	7.19	1.46	4.01	-
1877	2.33	5.54	2.77	3.01	4.26	3.19	3.44	3.94	3.05	2.67	3.34	3.4	38.88
1878	7.94	6.12	.92	6.06	4.56	4.46	5.41	.92	3.79	3.14	7.15	1.00	51.47
1879	5.27	6.33	6.27	2.56	3.76	4.47	4.58	1.46	3.25	3.61	6.16	1.68	49.40
1880	.86	2.61	4.83	3.06	4.11	3.57	3.01	1.92	1.82	5.89	4.50	1.52	37.70
1881	3.50	2.00	2.97	5.42	4.57	5.29	1.88	3.29	4.86	3.06	1.37	2.28	40.49
1882	3.01	3.94	3.71	5.58	4.42	2.95	1.90	5.32	2.14	1.49	1.67	8.45	44.58
1883	2.13	1.61	2.43	2.85	3.61	1.69	1.98	3.83	2.02	2.76	.54	1.51	26.96
1884	5.61	1.90	3.45	5.29	6.47	4.69	4.52	3.28	3.14	3.75	5.14	.58	48.02
1885	2.58	2.55	5.22	4.95	2.82	1.01	3.69	3.52	2.97	1.29	7.18	1.51	40.29
1886	5.71	5.98	2.42	6.54	6.28	3.59	2.05	2.98	1.30	3.15	3.79	3.05	46.84
1887	3.49	4.47	5.17	5.20	5.07	4.96	4.60	1.06	2.42	3.81	4.62	1.29	46.16
1888	2.87	2.64	3.91	4.19	3.71	6.27	2.58	4.50	2.80	1.59	6.77	8.99	50.82
1889	5.29	7.64	5.61	5.36	1.68	2.46	3.59	4.05	3.42	9.34	4.49	4.61	57.54
1890	4.65	6.28	3.15	2.54	3.60	7.73	2.63	4.94	1.97	2.37	3.72	6.51	50.09
1891	10.26	1.25	5.20	6.92	5.12	6.63	3.76	2.17	3.37	3.07	5.22	2.35	55.32
1892	3.70	3.04	3.76	6.00	3.20	4.01	.85	5.57	2.75	4.22	4.48	2.59	44.17
1893	1.28	5.81	1.14	2.93	8.15	3.68	3.59	6.94	2.47	2.91	5.58	1.80	45.88
1894	4.08	2.23	4.94	4.25	3.91	1.41	3.28	4.37	1.11	3.82	1.94	2.78	39.10
1895	5.20	3.43	4.81	3.88	1.45	2.95	5.58	1.94	3.23	5.17	4.00	2.19	43.63
1896	10.07	7.94	3.20	2.43	5.85	5.91	1.85	2.83	3.14	2.14	2.74	7.59	55.49
1897	3.84	2.92	2.17	4.14	2.85	3.43	2.85	4.46	4.44	5.34	2.95	2.51	41.90
1898	.41	6.45	5.06	6.54	4.27	2.40	4.73	3.05	2.24	3.98	7.22	2.09	48.64
1899	7.01	7.24	3.30	4.19	4.79	7.05	1.73	1.38	2.48	3.16	1.59	3.78	47.70
1900	2.61	2.12	1.71	4.64	8.82	6.24	2.48	4.22	2.91	2.24	2.25	3.41	43.65
1901	3.78	5.37	2.54	1.86	1.49	6.41	8.00	7.01	1.20	5.19	4.42	2.96	50.23
1902	2.57	2.72	10.87	2.71	6.65	6.45	4.62	1.79	2.42	2.97	4.07	4.34	52.19
1903	4.20	1.36	6.61	3.77	3.91	6.34	2.94	1.15	8.55	2.55	3.60	1.49	46.47
1904	4.42	1.48	3.05	4.70	3.00	2.69	8.78	2.44	2.70	2.14	3.41	5.64	44.45
1905	1.51	1.73	2.96	5.30	2.12	3.21	2.66	1.23	5.03	5.21	2.54	7.16	40.66
1906	1.41	1.94	4.02	2.50	2.88	6.13	2.72	5.25	3.38	3.13	2.64	2.91	38.91
1907	3.11	2.50	4.29	3.41	2.18	1.79	3.05	3.53	3.20	1.71	1.07	8.32	38.26
1908	3.83	5.84	4.17	3.24	4.22	3.67	1.75	5.41	.74	3.43	4.36	.96	41.62
1909	2.52	.89	2.95	4.14	5.77	4.07	4.02	2.31	2.89	1.63	2.82	4.55	38.56
1910	1.09	3.24	3.94	4.98	5.10	.77	2.72	1.34	4.81	1.76	2.26	2.57	34.58
1911	1.88	4.02	2.43	2.75	2.64	3.33	2.80	.72	2.42	3.21	4.66	2.73	33.59
1912	3.57	4.39	3.83	2.84	2.64	6.33	4.12	4.20	.38	3.35	2.92	1.70	40.07
1913	2.58	3.54	5.02	2.96	2.72	5.63	3.96	3.79	2.02	4.02	4.56	3.89	44.69
1914	5.31	2.44	3.15	3.69	3.80	4.38	4.82	2.82	2.02	2.76	3.50	1.18	38.87
1915	1.56	2.44	3.26	6.49	3.37	.04	2.46	1.63	3.47	7.92	5.80	1.03	39.57
1916	2.99	2.51	5.33	1.50	5.93	3.95	4.09	3.54	4.65	5.11	2.00	1.69	43.29
1917	1.45	2.25	3.13	3.46	2.64	5.20	2.43	4.70	4.28	1.15	6.11	1.50	38.30
1918	5.24	1.29	2.79	3.34	3.72	2.43	4.53	1.03	3.57	4.06	1.44	8.29	41.73
1919	1.04	2.59	3.73	3.45	3.41	4.67	2.91	4.92	1.99	4.96	3.90	5.36	42.93
1920	2.18	6.09	1.94	3.29	6.89	4.72	5.23	3.75	7.18	1.88	1.78	3.55	48.28
1921	1.02	5.92	5.22	2.80	4.28	2.55	5.42	3.66	3.95	6.72	1.19	2.08	44.91
1922	1.07	7.85	2.47	1.73	3.34	5.30	1.64	5.37	9.33	3.05	4.87	3.79	49.81
1923	2.00	1.25	3.29	7.48	2.09	3.44	5.18	1.02	3.62	3.07	2.15	1.70	36.29
1924	5.31	5.50	4.97	3.64	2.60	2.87	5.18	3.11	1.62	3.13	4.48	5.91	48.32
1925	.10	2.57	1.72	4.64	2.10	5.48	3.01	2.52	4.91	4.92	1.55	3.28	36.80
1926	4.31	3.16	5.89	3.08	6.11	3.32	2.24	2.52	1.68	3.00	5.21	1.54	41.86
1927	3.69	5.32	3.98	2.89	3.89	1.47	2.29	3.04	1.89	4.48	8.12	3.41	44.47
1928	4.91	6.81	5.76	2.78	3.65	1.82	5.37	2.27	6.13	5.93	4.46	3.82	53.81
1929	3.31	2.26	2.75	3.90	3.86	3.14	7.43	3.52	1.71	.95	2.22	1.91	37.06
1930	2.90	2.98	4.04	2.78	2.52	3.66	2.07	2.91	1.65	3.92	2.32	.80	32.55
1931	4.62	4.44	2.46	4.32	2.63	5.55	3.21	4.03	6.67	1.77	5.30	1.19	46.19
1932	2.03	.95	3.42	4.50	2.65	5.43	2.06	1.50	3.38	1.95	5.13	10.28	43.28
1933	6.90	5.02	1.89	2.39	4.13	7.22	5.86	2.59	1.43	2.42	3.75	10.65	54.25
1934	2.86	1.05	4.04	3.85	4.27	4.89	3.58	3.71	4.38	2.93	1.92	7.88	45.16
1935	3.26	2.30	2.92	6.80	2.97	1.90	5.20	2.31	5.99	2.00	1.37	3.84	41.16
1936	.54	4.87	1.06	7.97	3.91	9.61	3.28	2.10	2.47	1.24	5.16	5.03	47.24
1937	2.04	1.64	8.80	4.59	2.35	3.73	4.93	.02	4.01	1.60	4.69	3.06	45.46
1938	3.33	6.68	3.98	4.91	2.31	2.87	3.03	4.44	7.45	11.80	4.93	10.12	65.85
1939	1.95	3.09	3.50	2.54	4.29	4.93	4.56	1.40	3.91	1.79	4.41	1.78	38.15
1940	5.27	1.12	3.39	2.61	6.47	4.56	5.40	4.39	1.93	3.84	2.06	3.63	44.67
1941	1.02	6.90	2.75	4.08	1.83	2.97	1.24	2.23	4.06	2.96	3.08	.48	33.60
1942	1.64	2.40	3.27	3.62	3.71	7.02	1.73	2.19	3.47	8.01	2.18	1.88	41.12
1943	3.11	4.99	6.90	3.28	1.49	3.85	3.56	4.43	2.04	4.29	1.87	.85	40.66
1944	5.60	3.83	1.15	1.71	2.66	4.67	4.52	.89	5.71	2.08	1.33	5.96	40.11
1945	1.99	6.43	3.50	3.12	4.76	2.10	2.98	4.88	5.51	2.95	4.21	1.35	43.78

FRANKLIN, MASS. (a)
 Lat. 42°05'50", Long. 71°23'40". Elevation, 320 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1941	-	-	-	-	-	-	-	-	-	-	-	0.26	-
1942	1.40	2.70	3.80	4.43	3.01	7.76	1.03	2.27	3.29	5.03	3.13	1.89	39.74
1943	3.80	5.76	5.50	3.60	1.26	3.63	4.20	5.16	2.38	5.15	1.61	.75	42.80
1944	5.97	3.11	1.01	1.46	2.16	4.38	4.20	1.93	5.06	1.07	.96	7.48	38.79
1945	3.28	6.48	3.55	2.79	5.35	2.10	3.26	4.45	5.55	3.33	5.14	1.77	47.05

PRECIPITATION RECORDS

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FRANKLIN, MASS. (Water Works Pumping Station.) (a)
 Lat. 42°04'45", Long. 71°24'35". Elevation, 240 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1922	-	-	-	-	-	-	-	-	-	2.50	6.28	4.66	-
1923	2.43	1.00	3.09	7.49	1.78	2.24	5.82	1.60	5.15	4.64	1.95	1.25	38.44
1924	6.20	4.18	4.84	2.83	2.59	2.51	4.55	3.48	1.73	2.20	6.06	4.93	46.10
1925	.15	2.01	1.70	4.12	2.01	4.99	2.54	2.53.	2.25	4.92	.98	3.68	31.68
1926	3.86	3.60	4.56	2.18	4.80	3.04	1.61	2.85	1.02	3.30	5.08	1.77	37.67
1927	4.10	4.26	4.21	2.63	3.15	1.38	2.31	2.85	1.94	2.91	10.47	3.28	43.29
1928	4.90	5.28	5.03	2.32	3.54	1.89	5.04	1.55	4.40	3.18	3.33	3.83	44.39
1929	3.59	1.57	2.61	4.11	3.76	3.08	6.79	4.67	2.29	4.47	1.60	2.28	38.92
1930	3.24	3.02	3.31	2.88	2.27	3.78	1.97	2.36	2.12	3.40	1.63	.53	31.11
1931	4.04	3.52	2.66	2.95	2.41	5.47	2.84	4.62	8.81	3.00	5.33	1.07	46.72
1932	2.12	.71	2.65	4.37	1.95	5.27	2.00	1.76	2.58	1.56	5.09	8.46	38.52
1933	5.42	4.36	1.59	2.06	3.57	6.05	5.22	1.86	1.75	1.81	3.12	9.02	45.83
1934	2.97	1.03	4.09	3.46	3.11	4.19	3.97	2.77	3.93	3.97	2.99	5.96	42.44
1935	3.11	2.75	2.51	5.82	2.90	1.65	3.96	3.17	4.78	3.04	1.82	3.90	39.36
1936	.63	3.86	.84	7.78	2.80	8.58	2.77	2.06	2.26	1.57	7.63	5.14	45.92
1937	1.81	1.32	8.96	4.16	2.43	3.49	4.10	2.61	4.18	2.01	6.41	2.51	43.99
1938	3.37	6.89	3.45	4.43	2.01	2.30	2.80	4.86	10.04	9.93	4.15	6.80	60.51
1939	2.21	3.27	2.64	2.52	3.51	3.46	5.85	1.13	3.85	.56	5.74	1.25	34.08
1940	5.96	.95	2.76	2.72	4.43	2.84	5.48	5.93	2.54	3.85	1.02	2.25	38.73
1941	1.63	5.70	2.48	2.73	2.53	1.48	1.26	3.05	4.65	3.83	3.66	.26	33.26
1942	1.40	2.70	3.80	4.43	3.01	7.76	1.03	2.27	3.29	5.03	3.13	1.89	39.74
1943	3.80	5.76	5.50	3.60	1.26	3.63	4.20	5.16	2.38	5.15	1.61	.75	42.80
1944	5.97	3.11	1.01	1.46	2.16	4.38	4.20	1.93	5.06	.74	.85	7.92	38.79
1945	3.26	6.84	3.67	3.02	4.03	1.83	3.07	4.94	5.31	2.88	6.04	1.56	46.45

GARDNER, MASS. (Water Works Pumping Station) (a)
 Lat. 42°34'50", Long. 71°59'20". Elevation, 1,110 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	-	-	-	-	-	-	-	-	-	5.50	3.28	1.89	-
1907	4.07	2.66	4.25	2.18	1.31	1.90	2.64	3.08	3.52	3.96	1.09	9.81	40.45
1908	5.59	5.74	4.01	3.07	4.40	2.93	2.36	4.28	2.32	2.73	8.14	1.02	46.59
1909	1.62	1.03	2.79	4.13	5.40	3.49	5.24	2.58	2.10	4.34	2.81	4.82	40.35
1910	1.21	2.27	3.28	5.32	4.89	1.58	2.96	1.76	3.11	2.18	4.08	2.90	35.54
1911	1.31	4.03	2.48	2.98	2.26	3.83	2.13	1.13	2.91	3.98	7.07	2.41	36.52
1912	5.35	3.82	3.59	2.40	2.15	5.89	4.62	4.39	.52	2.85	3.13	3.03	41.74
1913	2.16	5.41	4.18	2.61	2.69	5.58	3.36	4.53	.58	1.37	3.97	3.77	40.41
1914	5.24	2.96	3.06	2.98	2.78	5.38	4.86	2.60	3.40	2.53	4.45	.20	40.44
1915	1.38	2.42	4.45	6.50	3.60	.01	3.02	1.47	2.77	9.21	5.18	1.51	41.52
1916	3.00	2.46	5.65	1.38	4.65	2.97	3.63	3.71	5.95	4.52	2.67	3.41	44.00
1917	1.43	2.66	3.23	3.04	2.94	3.89	2.13	4.08	5.63	1.68	5.82	.55	37.08
1918	6.08	2.19	2.72	3.04	4.00	2.02	3.49	1.24	4.80	2.42	3.11	6.18	41.29
1919	1.07	2.82	3.79	3.03	3.23	4.56	2.20	7.09	1.21	5.97	3.21	5.22	43.40
1920	2.73	6.53	1.61	2.58	5.29	3.78	5.77	3.54	4.52	3.13	4.23	6.84	50.55
1921	.99	5.25	5.99	2.23	3.29	3.46	7.99	2.07	3.46	7.31	3.17	2.05	47.26
1922	2.33	6.48	2.58	1.99	3.03	6.35	1.65	4.30	9.21	4.94	4.60	4.46	51.92
1923	3.40	1.78	3.85	6.58	2.03	2.71	5.78	1.65	2.05	2.55	2.30	1.25	35.86
1924	4.57	.98	4.54	4.42	2.29	2.06	7.10	3.40	2.55	2.49	2.86	4.74	46.50
1925	.07	3.28	1.31	3.11	2.97	5.10	3.20	2.61	4.10	5.09	2.53	5.07	36.94
1926	3.88	4.02	3.37	2.38	5.15	3.01	2.34	1.48	2.45	3.03	1.81	1.02	33.94
1927	5.20	6.42	3.12	2.96	4.12	1.55	1.89	3.50	2.67	5.47	6.33	3.51	46.74
1928	4.53	6.84	5.85	2.45	2.86	2.07	4.60	3.05	8.70	5.90	8.13	3.60	58.58
1929	1.45	2.18	1.52	3.99	3.26	3.07	5.60	4.02	4.88	.76	1.39	1.96	34.08
1930	1.95	2.55	3.20	1.76	1.96	3.81	1.17	2.53	3.16	4.82	1.66	1.54	30.11
1931	2.45	2.96	1.78	2.55	2.60	5.10	3.09	4.73	4.78	2.01	6.47	2.37	40.89
1932	3.48	1.32	5.79	4.78	2.44	5.49	1.97	1.69	2.27	5.01	3.69	6.61	42.54
1933	6.84	4.17	1.84	2.53	4.07	5.95	6.37	1.69	2.41	2.36	5.24	9.29	52.75
1934	4.85	1.29	3.59	3.10	3.32	3.60	3.81	3.34	6.79	4.87	2.36	8.12	48.54
1935	2.63	3.61	2.98	5.08	3.01	1.72	3.08	1.94	6.69	2.66	3.04	4.66	41.10
1936	.97	4.38	.93	6.82	2.83	9.94	3.54	1.72	3.23	2.26	6.44	4.10	47.16
1937	3.21	1.78	6.88	5.05	1.85	2.98	4.17	4.42	6.04	2.90	3.20	4.68	47.16
1938	3.73	6.75	2.41	4.31	1.87	2.13	2.08	3.85	7.39	8.47	4.54	17.31	64.84
1939	2.43	3.52	3.11	2.61	3.74	3.40	4.27	1.55	2.54	1.47	4.27	1.69	34.60
1940	3.77	.67	3.37	1.93	2.88	3.99	5.43	5.37	2.54	3.12	1.84	2.09	36.80
1941	.98	6.23	3.02	2.75	2.22	1.40	.52	4.09	3.73	3.07	2.96	.90	31.87
1942	2.35	3.11	3.63	3.69	1.94	7.07	1.27	3.72	5.46	6.15	2.12	3.18	42.69
1943	3.77	4.28	3.78	2.83	1.37	2.56	4.03	5.48	1.77	5.31	2.90	1.35	39.43
1944	5.27	4.99	.53	1.50	1.87	4.02	3.45	1.28	8.23	3.41	.45	7.13	42.13
1945	1.57	3.40	3.62	2.75	3.61	1.27	4.78	5.24	5.76	5.52	3.46	1.56	42.54

GLOUCESTER (East), MASS. (b)
 Lat. 42°37', Long. 70°39'.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	-	-	-	-	-	6.50	1.53	2.49	5.49	4.62	4.01	2.11	-
1943	2.41	5.33	4.41	4.12	1.26	3.56	2.55	5.04	1.28	3.13	1.23	2.02	36.34
1944	4.37	3.82	1.27	3.06	2.61	3.79	3.53	.77	4.95	1.54	1.03	6.93	37.67
1945	2.13	7.37	3.67	4.23	4.40	1.77	2.66	3.74	5.36	3.41	2.67	2.45	43.86

HYDROLOGY OF MASSACHUSETTS

GLOUCESTER, MASS. (Eastern Point)^(b)
 Lat. 42°37', Long. 70°39'. Elevation, 15 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1880	-	-	-	-	-	-	1.86	3.35	0.99	3.96	2.46	0.41	-
1881	4.63	6.96	3.12	4.05	4.40	5.37	3.44	4.50	8.17	1.91	4.51	1.99	53.05
1882	2.80	1.20	4.08	5.78	2.59	6.07	2.14	.85	2.09	3.09	4.23	5.54	40.55
1883	6.86	4.97	2.24	2.84	4.36	6.73	10.26	4.74	1.71	3.55	2.65	9.97	60.78
1884	6.22	1.26	4.68	3.35	5.94	4.58	3.42	1.95	3.86	1.52	1.07	7.89	45.56
1885	4.24	3.37	2.84	8.76	4.16	1.78	5.36	1.63	5.51	2.18	4.60	3.25	47.68
1886	.31	6.40	2.02	8.85	3.40	6.73	4.00	1.53	4.07	3.41	4.39	4.01	49.12
1887	3.17	1.58	9.01	4.76	1.49	4.13	7.25	2.28	4.10	.99	5.52	4.99	49.27
1888	4.70	4.92	3.90	4.63	3.30	3.13	3.21	4.71	6.10	11.47	1.96	8.79	60.82
1889	2.88	3.61	3.01	3.71	3.95	7.05	4.94	2.77	3.18	.87	1.85	1.20	39.02
1890	5.00	1.87	2.86	2.37	7.47	4.33	6.09	2.63	3.66	3.28	.83	3.33	43.22
1891	.67	7.75	3.04	4.69	2.11	4.11	2.03	3.79	2.25	2.17	1.99	1.29	35.89
1892	2.62	2.71	3.95	3.18	4.69	6.81	1.82	2.72	5.57	4.73	4.25	2.26	45.31
1893	2.46	5.65	4.68	4.17	2.27	2.72	2.63	5.37	1.48	3.19	1.45	1.65	37.70
1894	5.05	3.62	1.27	2.78	3.16	3.94	3.87	.81	5.06	1.71	1.10	7.15	39.52
1895	2.40	7.21	3.84	4.94	4.50	1.88	2.64	4.14	5.54	3.77	2.75	2.61	46.22

GLOUCESTER, MASS. (Water Works).
 Lat. 42°36'35", Long. 70°42'35". Elevation, 40 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1915	-	-	-	96.02	2.88	0.00	1.64	2.22	1.41	8.52	4.98	1.99	-
1916	3.19	4.06	4.46	1.74	4.57	9.68	6.46	3.36	8.57	4.39	3.70	2.21	56.39
1917	1.00	2.92	2.97	8.84	2.43	3.61	3.11	5.05	5.67	1.19	5.60	2.15	39.54
1918	5.31	.84	5.00	2.44	3.12	4.17	1.62	2.83	1.96	2.17	10.03	40.46	
1919	1.20	2.66	3.15	4.92	3.98	4.41	2.76	5.95	1.62	2.06	4.17	6.07	42.95
1920	3.04	6.50	1.60	2.35	10.11	4.93	6.38	4.11	10.22	1.00	.90	2.98	54.12
1921	2.84	5.79	2.87	2.25	3.40	2.51	6.17	2.80	3.34	9.60	1.73	2.46	45.76
1922	1.56	8.35	2.93	2.53	3.70	4.36	2.82	5.58	11.40	6.63	4.51	3.18	57.55
1923	2.88	.94	3.97	7.74	3.99	6.57	5.20	1.82	1.71	4.72	1.95	.42	41.91
1924	4.29	2.53	6.58	3.77	3.02	2.36	3.91	3.18	3.02	2.32	6.85	3.99	45.82
1925	.09	2.89	3.26	4.23	2.87	7.12	2.58	2.01	3.13	2.69	2.17	4.31	37.35
1926	6.20	4.47	7.86	3.58	5.63	2.80	3.65	2.30	2.07	2.86	3.78	1.41	46.61
1927	5.70	5.34	3.41	2.75	2.83	1.72	1.40	2.52	1.53	2.42	6.17	4.36	40.15
1928	2.75	5.35	7.09	2.51	3.32	1.50	6.87	3.19	4.75	4.72	3.38	5.87	51.30
1929	2.47	1.32	3.97	3.09	2.57	5.07	9.55	4.38	1.73	1.95	1.93	1.26	39.29
1930	3.19	3.36	6.34	3.15	3.37	4.58	2.13	4.27	1.78	4.69	3.74	.42	41.02
1931	6.97	7.67	4.09	4.54	4.67	5.59	4.11	5.61	9.47	2.53	4.54	2.48	62.27
1932	3.33	3.14	5.57	7.98	2.69	6.78	2.52	1.37	2.45	4.62	6.31	7.67	54.63
1933	9.36	5.77	2.81	3.90	4.48	8.99	11.39	4.10	1.87	4.05	3.29	12.19	72.20
1934	5.21	1.42	3.69	3.84	3.67	5.49	2.65	1.89	3.46	1.35	1.07	6.65	40.59
1935	4.23	3.59	2.85	7.84	3.63	1.95	4.86	1.44	5.95	5.29	2.95	3.71	46.29
1936	.56	6.05	1.92	6.67	2.26	6.98	4.04	1.47	4.04	3.51	3.82	4.13	45.45
1937	3.22	1.46	9.36	5.02	1.31	4.07	7.36	2.66	3.80	.96	4.61	5.20	49.03
1938	4.82	5.11	3.96	4.34	2.47	3.33	3.57	4.32	6.48	10.05	1.69	7.68	57.82
1939	3.05	2.88	3.69	2.52	3.47	6.22	4.71	2.49	2.91	1.18	1.63	1.16	35.91
1940	4.69	1.38	2.72	2.41	5.45	4.57	5.89	3.73	2.69	4.15	1.11	3.48	42.27
1941	.66	6.57	3.11	3.91	1.91	2.65	2.06	3.87	2.20	2.06	1.87	1.67	32.54
1942	2.32	2.68	3.99	3.82	4.53	7.29	1.66	2.37	5.25	4.15	4.26	2.39	44.51
1943	2.51	5.73	4.17	8.07	1.55	2.98	2.65	5.84	1.20	5.49	1.45	2.67	37.05
1944	4.86	3.25	1.28	2.51	3.15	3.75	3.82	.32	4.65	1.28	1.59	5.55	36.01
1945	2.22	7.26	3.60	4.46	4.54	2.00	2.49	4.03	5.58	3.43	3.04	1.51	44.18

GRANVILLE, MASS. (Borden Brook Reservoir, Springfield Water Works)
 Lat. 42°07'45", Long. 72°56'25". Elevation, 950 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	-	-	-	2.32	4.14	6.60	6.13	2.44	2.33	3.61	2.27	0.19	-
1915	2.31	3.75	4.60	7.43	6.24	.35	3.94	2.56	4.70	7.18	8.39	2.55	52.80
1916	2.62	3.60	8.58	2.40	6.79	5.45	4.19	3.64	5.85	6.26	2.65	6.70	58.73
1917	1.56	4.44	3.70	3.18	4.12	4.75	3.20	4.20	5.15	2.35	3.73	1.00	41.38
1918	8.65	.90	4.90	3.40	3.82	2.83	3.51	2.02	2.35	2.65	4.06	6.85	45.92
1919	1.47	2.92	3.83	2.52	4.06	5.61	3.67	8.76	1.04	5.00	3.80	6.11	48.79
1920	2.52	7.06	2.70	3.34	3.82	4.32	6.08	2.83	8.76	3.90	4.09	9.43	58.95
1921	1.07	7.95	5.94	2.31	3.78	6.64	4.42	1.91	4.20	3.43	3.88	2.74	46.27
1922	1.66	7.12	2.26	1.63	3.53	8.75	2.05	7.45	7.10	4.36	5.09	2.02	55.02
1923	1.87	1.70	3.77	8.41	1.98	2.80	4.29	3.67	3.60	2.78	3.02	4.06	41.95
1924	7.56	3.79	5.11	4.40	1.74	1.30	7.82	4.60	1.59	1.78	3.24	7.77	50.70
1925	.00	4.38	2.22	3.79	3.77	4.59	3.11	2.94	4.99	6.60	2.11	2.78	41.28
1926	4.33	4.65	4.10	3.58	5.90	3.84	2.86	1.99	1.83	4.55	3.59	1.99	43.21
1927	4.45	5.67	3.04	2.60	3.65	2.06	2.30	5.11	5.81	3.97	7.98	3.28	49.92
1928	6.88	11.09	5.72	2.70	3.83	3.12	5.07	3.02	7.04	7.60	10.30	3.42	69.80
1929	.66	2.18	1.37	4.22	4.51	3.64	7.40	5.95	2.25	1.59	1.83	2.45	34.65
1930	7.09	2.93	3.98	2.08	1.76	4.34	2.82	4.41	5.21	3.82	3.70	1.86	44.00
1931	1.82	4.99	2.24	3.64	2.47	4.73	3.02	8.71	5.24	4.91	4.24	1.46	47.47
1932	2.63	1.81	3.09	5.75	2.44	5.42	2.51	1.62	6.11	6.43	3.15	3.12	44.08
1933	8.09	8.52	2.01	2.65	5.61	6.77	4.82	1.86	2.66	1.61	8.76	8.66	59.82
1934	3.20	1.20	4.22	4.35	2.86	4.86	4.43	5.14	6.18	1.92	6.28	10.58	55.22
1935	2.90	4.84	3.95	4.58	3.24	2.23	2.14	2.42	5.52	8.09	.45	4.81	40.15

PRECIPITATION RECORDS

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GRANVILLE, MASS. (Borden Brook Reservoir, Springfield Water Works)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	1.03	5.06	1.33	6.86	3.00	11.77	5.00	2.20	2.19	1.14	5.73	4.81	49.62
1937	4.04	1.75	6.64	6.05	3.66	3.76	4.63	6.61	5.87	4.11	4.03	5.00	58.15
1938	6.85	7.20	3.39	5.83	2.49	2.59	2.68	4.55	9.79	7.52	4.90	12.84	69.63
1939	2.26	3.49	3.86	2.55	4.39	3.74	5.14	1.11	2.78	2.38	5.11	2.46	39.27
1940	4.06	1.46	2.68	3.15	2.92	5.55	4.93	7.16	3.22	3.62	2.79	2.28	43.52
1941	1.67	5.91	2.75	2.61	3.51	1.29	1.23	3.22	6.25	5.14	5.26	.93	39.57
1942	2.49	3.19	4.59	3.75	2.67	6.98	1.28	5.81	4.11	5.91	2.24	6.27	49.29
1943	4.84	5.79	6.63	3.60	2.07	3.76	3.15	5.63	3.73	8.58	1.31	2.39	51.43
1944	6.47	5.53	.99	2.21	2.87	5.55	4.32	.93	5.03	2.28	2.40	7.16	45.74
1945	2.06	7.51	5.13	4.54	4.99	2.12	4.91	8.01	7.01	7.49	4.51	6.28	64.56

GRANVILLE, MASS. (Westfield Water Works.)
Lat. 42°05', Long. 72°51'. Elevation, 750 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1908	-	-	-	3.05	5.82	3.05	3.26	6.42	2.27	4.11	5.02	1.63	-
1909	3.02	0.83	2.95	4.06	6.23	4.76	6.38	3.45	2.26	2.19	6.28	3.80	46.21
1910	1.22	2.73	3.90	6.40	4.98	1.48	4.79	3.25	4.08	1.29	3.58	4.08	41.78
1911	1.01	5.12	1.78	2.06	2.09	3.31	2.55	1.15	4.01	4.40	6.94	4.95	39.37
1912	10.10	3.00	3.44	2.18	3.20	5.75	4.31	5.01	.62	3.67	4.66	3.57	49.51
1913	5.45	4.53	3.51	3.50	2.28	4.42	3.46	5.23	1.00	1.52	3.20	3.47	41.57
1914	8.99	3.93	2.18	2.33	2.47	4.28	6.08	3.60	2.86	3.61	2.29	.38	43.00
1915	2.77	3.79	3.44	6.93	5.46	.21	2.79	2.64	3.23	8.42	8.55	2.41	50.64
1916	2.40	3.82	3.25	1.55	3.45	4.08	2.74	3.38	5.30	5.80	2.45	6.28	44.50
1917	1.60	4.35	3.34	3.45	3.25	3.98	1.84	5.93	2.35	4.20	6.55	.77	41.61
1918	9.60	1.07	3.70	-	-	-	-	-	-	-	-	-	-

GRANVILLE, MASS. (Westfield Water Works.) (a)
Lat. 42°05'15", Long. 72°51'00". Elevation, 540 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	-	-	-	-	-	6.01	4.31	2.44	1.61	-
1931	1.75	4.67	0.81	2.71	1.62	4.14	2.60	8.26	4.69	3.10	4.01	1.32	39.68
1932	2.33	1.35	2.94	4.64	1.54	3.87	2.03	2.54	4.89	4.79	3.20	2.97	37.09
1933	6.70	8.54	1.38	1.84	2.84	5.12	3.44	1.84	1.90	1.52	7.46	7.43	50.01
1934	2.60	.82	2.96	3.42	1.60	3.45	3.33	5.07	5.10	2.24	5.26	12.60	48.45
1935	2.64	4.00	3.78	3.43	2.35	1.58	1.51	2.54	4.57	3.29	.63	4.23	34.55
1936	.58	3.23	1.14	4.84	1.76	9.21	3.71	2.34	2.54	1.10	4.78	4.51	39.74
1937	3.27	1.18	6.33	5.15	2.76	3.06	3.92	5.14	6.04	3.69	3.33	4.08	47.95
1938	5.77	6.27	2.66	4.59	1.62	2.24	2.61	4.16	6.86	6.77	3.59	10.74	57.88
1939	2.44	2.63	3.55	2.17	3.56	3.08	3.93	.86	2.70	1.54	8.17	2.29	36.92
1940	3.94	.96	2.41	2.82	2.04	4.43	4.87	6.60	2.82	2.35	5.32	1.69	37.45
1941	1.40	5.28	2.36	2.56	2.97	1.02	.85	3.25	6.83	5.44	4.30	.81	37.07
1942	2.29	3.15	4.08	3.42	2.28	5.93	.81	5.39	3.53	6.67	2.06	4.56	44.17
1943	5.00	4.99	5.99	2.38	1.44	2.70	3.13	6.20	3.74	6.12	1.45	2.50	45.64
1944	6.04	4.45	.58	1.35	2.10	4.54	3.91	1.34	4.40	1.80	1.13	5.75	37.19
1945	2.20	5.12	3.95	2.88	4.41	2.09	4.74	6.98	5.49	7.92	5.00	3.51	54.29

GRANVILLE (West), MASS. (Hartford Water Bureau)
Elevation, 900 feet. (1,200 feet prior to 1930.)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	-	-	-	-	-	-	3.07	3.44	2.89	-
1913	4.56	4.27	4.36	3.39	1.92	6.83	4.84	4.88	1.19	2.58	3.36	3.90	46.08
1914	8.39	4.31	1.51	2.61	1.31	4.20	4.13	3.16	3.04	2.88	1.38	.25	37.17
1915	2.28	2.54	3.25	6.14	4.72	5.12	3.12	2.47	3.90	2.66	8.06	3.00	50.66
1916	2.24	2.44	5.16	.68	4.54	2.02	2.55	1.15	62.95	66.26	62.65	5.04	37.68
1917	1.17	3.78	1.64	1.56	4.18	7.52	4.35	5.60	6.12	1.55	5.19	.78	43.44
1918	7.57	1.50	2.78	2.50	2.28	2.83	3.80	2.00	3.00	2.00	3.08	4.40	37.85
1919	3.64	1.01	3.95	3.00	3.60	5.58	5.00	5.55	.53	4.16	3.99	4.42	44.63
1920	5.07	6.47	1.52	.70	5.20	2.20	6.20	2.98	5.83	5.75	5.97	5.55	53.24
1921	.10	5.90	4.85	2.55	4.00	2.50	5.02	3.55	4.00	6.95	5.80	3.20	48.42
1922	1.70	4.55	.30	2.35	2.80	6.05	5.80	4.60	7.70	9.10	8.05	5.15	58.15
1923	3.90	.10	2.70	.60	2.25	.75	3.20	3.35	1.05	3.95	4.65	3.70	30.20
1924	7.70	5.05	4.90	3.37	1.65	1.15	8.30	9.40	1.40	.95	4.40	7.35	55.62
1925	.00	3.34	1.67	3.92	5.20	2.95	2.20	2.85	3.00	4.20	2.25	3.56	35.14
1926	3.42	4.35	2.48	2.25	3.50	3.18	2.47	1.67	2.43	4.54	3.71	2.67	36.67
1927	5.17	5.10	3.09	1.95	2.49	1.59	2.15	5.95	5.14	6.17	5.14	2.56	47.29
1928	6.10	10.73	5.33	2.31	3.24	1.86	3.84	3.37	6.66	7.84	9.09	2.84	63.21
1929	.87	1.68	1.83	3.85	4.00	3.27	7.69	4.91	3.40	.99	1.86	3.14	37.49
1930	6.28	1.94	4.12	3.03	1.40	2.93	2.78	3.12	5.24	4.41	3.70	1.64	40.59
1931	2.35	4.17	1.77	3.10	1.89	3.85	2.33	7.34	7.22	3.42	4.16	3.30	44.90
1932	2.73	1.69	2.71	4.90	1.73	4.23	1.88	1.28	4.33	5.12	4.39	3.05	38.04
1933	8.17	8.72	1.26	2.16	3.44	4.10	3.73	2.22	2.90	1.49	9.07	8.29	55.55
1934	2.64	1.91	4.67	3.45	3.64	3.14	4.61	5.42	6.90	3.64	4.58	9.98	54.58
1935	2.35	4.76	2.28	4.50	3.46	2.42	3.28	3.46	7.95	2.28	3.26	5.01	45.01

HYDROLOGY OF MASSACHUSETTS

GRANVILLE (west), MASS. (Hartford Water Bureau)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	1.70	4.42	1.10	4.88	2.70	11.07	5.58	2.52	3.01	.68	4.32	4.24	46.22
1937	6.06	2.66	6.23	6.12	3.92	4.10	5.35	5.69	8.09	5.77	3.14	4.40	61.53
1938	7.03	8.73	2.74	6.91	2.13	2.37	4.75	4.37	8.03	9.16	4.09	15.37	75.68
1939	2.52	4.15	2.06	2.75	3.86	4.78	4.17	1.97	1.91	2.06	4.11	2.51	35.95
1940	2.80	2.92	3.12	2.97	2.26	6.05	4.92	6.91	3.70	3.09	2.46	2.20	43.40
1941	1.70	5.92	2.43	2.31	4.19	5.51	1.59	3.80	6.03	5.02	2.86	2.99	44.35
1942	2.49	3.62	3.91	3.52	2.49	7.20	1.00	5.77	4.15	6.88	2.67	4.73	48.43
1943	3.72	7.18	7.62	3.12	2.08	2.96	2.58	6.85	3.70	4.59	1.37	3.32	49.09
1944	6.81	5.68	.22	1.98	2.92	4.17	4.19	1.49	4.98	2.87	1.95	8.03	45.29
1945	2.35	4.56	4.74	3.51	2.50	1.14	5.65	8.29	6.94	7.80	3.62	4.54	55.64

GREENFIELD, MASS.

Lat. 42°36'25", Long. 72°35'30". Elevation, 270 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	-	-	-	-	-	-	4.62	6.75	3.17	5.78	2.04	4.02	-
1922	1.56	7.97	-	-	-	-	1.52	6.70	8.82	2.23	4.57	2.43	-
1923	2.42	1.99	-	-	-	-	-	3.37	2.95	3.89	2.25	2.59	-
1924	6.97	5.45	5.00	-	-	-	-	5.83	2.72	2.33	3.59	3.14	-
1925	.00	2.29	-	-	-	-	-	3.93	2.18	4.64	5.38	2.50	-
1926	3.78	3.96	2.91	3.29	4.15	3.95	3.52	1.67	2.06	2.34	2.73	2.18	36.54
1927	5.48	6.27	3.03	2.04	3.59	1.71	1.54	4.00	3.14	5.26	4.60	1.85	42.51
1928	5.63	8.63	5.53	2.78	3.04	2.59	5.25	3.22	6.15	6.75	9.29	4.87	62.83
1929	.55	2.14	.82	4.33	4.29	3.27	6.65	3.97	3.08	1.26	1.82	3.27	35.45
1930	2.81	2.39	4.30	1.85	1.19	4.78	1.55	3.87	4.95	4.31	2.22	2.05	36.27
1931	2.58	3.95	1.41	3.13	2.10	3.95	2.92	8.06	4.42	3.99	3.76	2.49	42.76
1932	2.37	1.67	3.74	4.40	2.61	3.83	2.98	1.47	1.29	4.50	5.46	5.59	55.71
1933	5.15	7.06	1.94	2.27	3.36	5.24	6.14	2.21	1.48	1.85	8.04	6.82	51.56
1934	5.89	.89	3.24	3.20	1.94	3.50	4.88	3.75	5.31	3.49	3.88	9.59	47.56
1935	2.25	3.28	3.46	4.52	2.41	1.59	2.26	2.22	5.27	3.66	.69	5.42	37.03
1936	1.07	4.92	1.21	5.93	2.31	8.20	3.99	1.23	1.67	3.14	7.04	2.60	43.31
1937	3.12	2.14	6.48	5.26	2.51	3.87	5.17	7.32	6.45	1.63	3.26	5.19	52.40
1938	4.99	6.02	2.84	5.22	1.79	2.04	2.45	3.43	6.48	8.09	2.21	12.95	58.51
1939	2.37	2.67	4.16	2.65	3.47	3.32	4.99	1.37	3.78	2.06	3.30	3.20	36.99
1940	3.74	.82	3.03	2.71	2.63	4.79	5.06	6.02	3.57	5.51	1.45	1.56	40.89
1941	1.09	6.09	3.56	2.27	1.94	1.37	.84	1.96	2.41	3.44	3.48	.82	29.27
1942	2.07	3.32	4.06	3.56	2.14	6.51	1.15	5.19	3.99	5.11	4.37	5.59	47.37
1943	4.26	4.35	6.10	2.44	1.49	3.14	3.97	6.66	1.78	4.66	2.88	2.90	44.63
1944	4.73	5.76	.45	1.40	2.28	5.04	3.86	1.45	5.80	9.74	2.89	5.55	48.95
1945	1.67	3.50	2.67	2.89	3.84	2.37	6.88	7.79	7.29	5.97	3.13	3.57	51.67

GREENWICH, MASS. (a)

Elevation, 490 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	2.55	6.31	2.14	2.19	4.44	2.42	5.58	3.66	6.31	3.90	3.41	6.85	49.76
1921	.96	4.09	6.20	2.41	2.18	3.55	7.89	3.18	5.46	6.79	3.57	2.52	48.80
1922	1.93	6.67	2.93	1.11	2.66	5.03	2.01	4.10	11.61	6.58	3.41	2.31	50.35
1923	4.22	1.79	3.33	5.81	1.62	2.64	5.22	2.52	3.38	2.30	3.90	2.40	39.93
1924	5.68	5.35	4.01	3.82	2.00	.94	4.92	3.20	1.97	2.22	5.26	5.06	44.45
1925	.15	3.08	92.12	2.34	3.48	5.23	3.50	2.90	4.35	6.50	1.56	3.83	59.02
1926	5.34	3.02	2.68	2.67	3.76	3.50	2.78	1.84	3.28	3.29	3.36	1.81	37.13
1927	5.74	6.43	2.09	2.32	2.60	.66	2.66	5.64	4.32	8.01	7.77	2.68	50.92
1928	4.45	7.64	5.32	2.19	3.30	2.01	5.26	2.42	6.81	5.23	7.56	3.51	55.70
1929	1.65	1.88	1.30	3.91	2.91	3.32	7.09	4.09	2.48	1.52	1.52	6.23	37.90
1930	2.02	3.18	3.48	2.14	1.93	3.06	.90	3.07	3.60	4.66	1.34	2.80	32.18
1931	2.13	2.98	1.36	2.83	1.64	3.75	2.73	6.63	4.67	3.29	7.03	2.59	41.63
1932	2.50	.90	3.85	4.65	2.86	4.99	2.48	1.39	3.01	4.01	3.69	5.21	39.64
1933	3.48	3.90	2.11	2.56	4.19	5.25	5.87	1.85	3.11	1.92	6.14	10.70	50.98
1934	4.37	1.47	3.87	3.18	3.19	3.54	4.22	5.07	3.30	3.55	9.75	49.06	
1935	3.08	3.76	2.42	5.05	2.32	1.85	2.56	2.54	5.82	3.61	.73	4.63	38.37
1936	1.42	3.89	.89	7.43	2.69	8.53	4.62	2.66	4.10	1.93	5.28	5.47	48.91
1937	2.63	2.07	6.60	5.62	1.86	3.11	3.97	5.16	6.78	1.74	4.99	5.78	50.31
1938	4.04	6.28	2.89	4.07	2.39	2.83	3.27	3.37	8.46	-	-	-	-

GROTON, MASS. (a)

Lat. 42°36'20", Long. 71°34'50". Elevation, 350 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	-	-	-	-	-	-	-	-	2.88	5.45	1.37	-
1886	4.77	5.26	1.65	5.41	5.09	1.17	2.20	3.15	1.54	3.82	3.86	4.83	42.75
1887	6.17	3.70	2.56	6.02	4.45	5.02	4.68	2.48	2.66	5.19	8.52	1.94	50.18
1888	2.35	5.15	3.84	3.00	4.15	5.94	3.95	3.41	2.83	2.40	4.20	10.42	49.45
1889	6.43	5.32	4.64	4.35	1.45	1.47	3.27	3.22	2.03	6.91	2.88	3.33	45.40
1890	4.79	6.67	3.05	2.85	3.84	6.11	2.17	5.01	3.08	4.20	6.37	6.50	54.64
1891	9.63	1.57	3.28	6.61	4.08	5.31	3.29	2.56	3.14	3.47	1.95	2.05	48.74
1892	2.72	2.15	3.89	4.64	2.62	2.54	.65	6.19	3.58	2.64	5.73	1.60	38.95
1893	1.10	5.69	.87	2.25	6.21	3.22	3.10	7.01	2.94	1.78	5.26	2.15	41.58
1894	3.71	2.41	5.27	2.44	2.77	1.18	3.25	3.96	.89	2.09	.74	3.85	32.66
1895	4.04	3.95	2.89	3.74	.99	2.79	4.60	3.08	4.76	3.42	2.69	3.17	40.12

PRECIPITATION RECORDS

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GROTON, MASS. (a) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1896	7.54	6.49	2.56	2.14	5.60	5.85	1.85	2.15	2.29	3.04	2.67	7.30	49.48
1897	3.61	2.72	1.81	3.08	2.68	3.98	2.04	4.78	6.20	6.57	4.52	2.85	44.94
1898	1.08	7.77	6.03	5.67	4.66	1.83	5.35	3.54	3.10	3.05	8.94	3.41	54.43
1899	8.13	6.20	2.57	3.35	3.86	6.86	2.04	2.00	4.24	2.89	2.12	3.89	48.15
1900	2.30	2.13	1.80	4.63	9.51	6.91	2.05	3.69	3.99	3.21	3.90	4.12	48.24
1901	3.34	5.84	2.95	2.04	.72	5.41	10.65	6.89	2.02	6.13	3.51	2.11	51.61
1902	5.26	1.97	8.65	2.29	3.99	4.53	3.85	2.60	2.14	3.91	4.20	4.40	45.89
1903	6.38	.97	6.39	2.90	3.87	6.55	3.01	1.16	10.92	4.39	3.79	1.93	52.26
1904	4.70	2.09	2.94	4.10	1.48	3.05	8.60	4.90	2.83	2.68	3.53	4.26	45.06
1905	1.25	1.03	1.90	4.55	1.48	3.13	2.41	1.25	5.33	2.51	5.05	6.21	36.10
1906	1.62	2.05	3.81	2.68	2.64	4.79	2.96	6.09	6.51	3.99	2.07	1.53	40.74
1907	2.67	2.97	4.18	2.37	1.96	2.00	2.94	3.06	3.82	3.42	1.50	10.17	41.06
1908	5.17	5.80	4.94	3.56	4.58	2.83	1.89	4.76	1.08	2.78	5.61	.81	43.81
1909	2.22	1.09	2.85	2.70	5.71	3.52	4.86	1.99	-	-	-	-	-
1913	-	-	-	2.19	2.44	4.47	2.96	3.33	.91	1.69	2.68	4.17	-
1914	6.46	1.65	2.65	2.81	2.87	2.64	4.17	2.64	1.38	3.50	3.28	.20	34.25
1915	1.32	2.95	4.05	4.77	5.13	.01	1.76	1.76	2.55	7.60	6.52	1.65	37.77
1916	2.86	2.60	4.80	1.32	5.69	3.55	5.23	3.98	6.92	4.10	2.11	4.13	47.29
1917	1.11	2.72	2.79	3.38	2.20	4.28	2.06	4.00	4.69	1.16	3.79	1.02	33.20
1918	5.04	1.80	3.08	3.60	3.49	2.14	3.52	2.07	3.38	2.63	2.54	7.11	40.40
1919	.97	2.70	3.14	3.34	3.16	4.70	2.45	5.52	1.28	4.02	3.41	5.17	39.86
1920	2.47	5.58	1.77	2.55	5.93	4.09	6.06	3.68	5.27	3.37	4.14	5.62	50.53
1921	.71	5.40	5.97	2.14	3.87	2.67	6.25	1.89	3.11	4.76	1.62	2.75	41.14
1922	2.44	6.59	2.61	2.49	3.24	5.96	1.37	5.31	7.41	5.65	5.11	5.28	55.26
1923	2.42	1.44	5.61	7.75	2.70	5.25	5.29	1.45	2.42	2.45	2.00	1.85	36.14
1924	5.05	5.60	4.62	3.66	3.30	2.66	6.14	3.36	1.52	2.20	3.42	4.74	46.27
1925	.03	2.97	1.76	3.94	2.53	6.58	3.00	2.11	4.36	3.94	1.79	2.84	35.85
1926	4.32	5.11	3.61	2.81	6.65	2.93	2.33	1.95	1.94	2.97	4.62	1.11	38.35
1927	4.86	4.56	3.77	2.78	4.70	1.39	1.71	3.45	2.73	3.20	10.04	3.70	46.69
1928	4.77	9.00	5.42	2.00	3.37	2.46	5.00	2.60	6.57	4.64	4.96	3.72	54.51
1929	1.51	2.41	2.10	4.46	4.67	3.23	6.25	4.57	2.40	1.53	1.63	1.71	36.47
1930	2.84	2.57	3.04	1.65	1.56	3.33	1.80	3.43	1.49	4.33	2.55	1.28	29.87
1931	3.92	4.00	1.60	3.31	2.61	5.33	3.04	4.67	5.31	2.33	4.42	1.51	42.05
1932	2.01	1.25	3.88	4.06	2.63	4.36	1.96	1.24	1.97	2.54	3.67	7.98	36.43
1933	6.14	4.31	1.69	2.29	4.20	7.37	5.55	2.53	2.05	2.57	4.85	9.71	53.36
1934	4.14	1.17	3.32	3.25	3.81	4.48	3.38	3.54	4.48	1.93	1.42	9.58	44.50
1935	2.46	2.49	3.03	6.40	3.34	1.55	3.55	1.73	8.06	2.44	1.50	5.23	41.78
1936	.80	5.03	1.19	7.48	2.50	9.12	3.21	2.20	2.67	1.96	4.06	3.55	43.77
1937	2.50	1.39	7.41	4.15	1.87	3.62	5.73	4.11	4.72	1.57	3.89	3.20	44.16
1938	3.78	6.18	4.01	3.88	2.04	2.30	3.54	3.38	7.07	10.96	3.90	8.68	59.52
1939	2.13	2.57	3.16	2.27	3.36	4.66	4.76	.96	2.02	1.30	2.33	2.43	31.95
1940	4.34	.82	2.84	2.87	3.45	3.62	5.76	5.88	2.31	2.89	1.35	2.53	38.66
1941	.82	7.33	2.64	3.38	1.93	2.42	1.07	2.38	2.01	3.23	3.33	.44	30.98
1942	2.25	2.90	3.18	3.87	2.66	7.40	1.50	3.83	3.09	5.79	1.95	2.53	40.75
1943	2.62	4.56	5.49	3.08	1.28	3.52	3.42	5.59	3.03	4.33	2.92	1.26	41.10
1944	5.19	5.05	.74	1.90	2.46	4.32	4.06	.80	8.67	2.52	.98	6.33	43.02
1945	2.22	4.92	3.27	3.11	4.30	1.79	3.81	5.39	6.15	5.60	2.63	1.51	44.70

HARDWICK, MASS. (a)
Lat. 42°21'10", Long. 72°11'50". Elevation, 950 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	-	-	-	-	-	-	-	4.81	5.53	3.14	3.93	6.39	-
1921	0.91	5.74	6.05	2.54	1.97	3.51	7.69	2.48	5.61	5.72	3.28	3.39	48.89
1922	3.52	6.33	2.68	1.30	2.74	4.21	2.24	4.24	12.38	5.06	2.90	3.08	50.89
1923	3.50	1.73	3.00	5.22	1.84	1.55	5.79	2.58	4.06	2.95	3.29	2.19	37.50
1924	5.59	3.71	3.91	3.78	2.21	.98	6.09	5.11	1.64	2.94	5.15	5.59	44.70
1925	.12	3.31	2.05	2.43	2.52	4.73	3.43	2.72	4.23	5.62	1.65	3.64	35.45
1926	5.11	3.08	2.02	2.57	3.49	3.15	2.07	1.66	2.81	3.90	3.28	1.51	34.65
1927	5.43	5.90	3.30	2.42	3.66	1.88	2.32	4.70	3.67	8.09	6.68	2.77	48.82
1928	4.20	7.02	5.66	2.40	2.98	2.00	5.82	2.31	6.72	5.67	7.02	3.00	54.80
1929	1.66	1.86	.96	4.18	3.16	3.23	4.90	3.53	2.24	1.03	1.68	4.95	33.38
1930	2.08	2.58	3.27	1.82	2.12	2.92	1.53	2.91	3.91	6.52	.85	3.14	33.65
1931	1.97	3.17	1.61	2.37	2.26	3.78	2.38	5.96	3.97	3.12	7.99	2.72	41.30
1932	2.75	1.30	3.54	4.36	2.45	4.04	2.03	1.62	2.24	4.28	4.70	5.63	38.94
1933	4.97	3.98	1.90	2.44	4.32	5.06	6.72	1.39	2.88	1.70	6.02	10.31	51.69
1934	5.25	1.27	3.26	3.86	2.47	3.55	4.29	4.69	4.91	4.47	3.45	10.62	52.09
1935	2.56	2.29	3.24	5.73	3.41	2.56	4.13	2.39	6.67	3.85	.85	4.92	42.60
1936	.80	3.81	.85	7.31	3.01	9.64	4.50	3.10	3.68	2.57	5.31	5.97	50.55
1937	3.18	2.06	7.36	5.32	2.26	3.30	3.75	5.07	5.54	3.09	6.10	4.52	51.55
1938	4.19	7.27	2.79	4.69	2.16	2.65	5.58	3.86	7.97	8.84	3.57	14.54	66.11
1939	2.30	2.64	3.17	2.62	4.03	4.16	8.99	1.97	2.93	.97	4.25	1.61	34.54
1940	4.85	.97	3.59	2.43	5.17	5.24	6.57	5.36	2.47	2.97	2.07	2.05	41.74
1941	1.06	6.57	2.72	2.51	1.97	1.55	.70	2.17	3.41	5.98	3.32	1.27	33.23
1942	2.64	2.99	3.16	3.37	1.71	5.93	.71	2.99	5.23	5.32	1.76	3.59	39.40
1943	3.61	5.73	4.67	2.58	1.42	3.07	3.32	5.62	1.47	5.96	3.05	1.30	41.80
1944	5.08	6.59	.67	1.50	1.88	3.98	3.65	1.12	6.96	3.98	2.36	6.87	44.44
1945	1.96	3.77	2.91	2.98	3.71	1.87	6.05	5.97	7.80	7.54	3.11	1.75	49.42

HYDROLOGY OF MASSACHUSETTS

HARDWICK, MASS. (d)
 Lat. 42°22'15", Long. 72°16'40". Elevation, 540 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	-	-	-	3.99	2.14	7.33	1.00	2.54	4.33	4.14	1.96	3.73	-
1943	3.43	5.57	5.19	2.35	1.11	2.02	-	4.75	1.62	4.58	4.19	1.49	-
1944	5.29	5.80	.76	1.37	1.91	4.09	4.69	1.45	8.25	2.44	1.84	6.43	44.32
1945	-	-	2.75	3.33	3.43	1.76	6.40	6.40	8.69	7.02	3.64	1.76	-

HARDWICK, MASS. (Gilbertville.)
 Elevation, 560 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	-	-	-	-	-	-	-	3.58	2.39	11.19	1.30	-
1886	3.77	5.90	3.20	5.94	5.26	3.69	1.84	3.58	2.08	5.09	3.39	4.61	48.34
1887	2.00	5.78	5.41	6.68	5.79	3.19	2.98	2.13	4.05	6.06	5.05	1.51	51.62
1888	2.75	3.52	4.09	3.88	4.36	6.65	3.17	4.26	5.40	2.63	4.94	9.84	55.49
1889	5.14	5.18	5.22	4.73	1.13	2.99	2.03	2.53	4.18	9.63	6.35	4.28	52.39
1890	5.35	5.91	3.92	2.38	3.06	7.17	3.00	6.09	2.17	4.76	7.96	6.76	58.53
1891	7.94	1.68	3.75	6.53	3.30	3.70	2.93	2.68	4.93	5.22	3.65	1.31	47.62
1892	3.82	2.31	5.44	5.48	1.81	3.29	.69	6.81	2.92	7.15	7.40	1.99	49.11
1893	.73	5.51	1.39	2.74	7.50	3.32	2.98	4.84	4.46	2.64	3.40	2.62	42.13
1894	6.68	2.40	5.68	3.24	3.55	1.11	3.77	3.22	-	-	-	-	-
1895	-	2.32	-	-	-	-	-	-	-	5.03	3.32	3.21	-
1919	-	-	-	-	-	-	-	-	-	-	3.32	5.93	-
1920	2.64	6.11	2.07	-	-	-	-	-	-	-	-	-	-

HAVERHILL, MASS. (Kemoza Lake) (b)
 Lat. 42°47'35", Long. 71°03'40". Elevation, 119 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1895	-	-	-	5.10	1.50	2.90	3.65	2.10	3.30	3.85	2.90	2.40	-
1896	7.45	5.80	3.20	2.50	5.60	7.20	1.40	2.50	2.00	3.20	2.60	7.20	50.65
1897	3.15	2.60	1.90	4.20	3.60	3.60	1.80	4.20	6.00	3.80	2.60	2.90	40.35
1898	2.50	4.70	5.10	2.90	6.70	1.10	5.50	3.30	2.40	2.00	6.70	2.40	45.30
1899	7.80	3.50	4.50	3.60	4.40	8.10	2.20	.70	2.60	5.50	2.00	4.50	47.40
1900	2.60	3.00	.90	6.10	8.60	6.50	.80	3.50	1.00	1.10	4.60	4.90	43.80
1901	3.40	3.90	.20	1.80	1.00	3.90	8.80	6.80	1.20	2.75	3.20	2.00	38.95
1902	2.90	2.30	9.20	2.31	3.52	6.15	5.41	2.07	2.24	3.76	3.94	3.02	46.82
1903	4.61	.67	5.12	2.93	2.89	5.52	3.60	.67	9.37	2.35	3.43	1.89	43.05
1904	3.14	1.21	3.18	4.63	2.72	2.82	8.13	2.76	3.16	2.32	2.73	6.42	43.22
1905	1.26	1.62	1.93	5.77	1.66	3.00	2.80	1.23	7.04	1.29	2.58	5.82	36.00
1906	1.05	1.95	4.68	2.54	2.51	7.77	2.61	5.92	4.79	3.97	1.99	1.20	40.98
1907	1.96	3.76	3.48	3.84	1.80	1.78	2.99	2.04	2.79	4.53	.86	7.20	37.03
1908	4.12	5.39	3.36	4.71	3.47	2.18	1.87	4.21	1.86	3.21	4.66	.72	36.96
1909	3.52	1.11	2.43	3.85	4.57	3.08	4.20	1.72	1.23	1.85	4.45	4.51	34.52
1910	.97	3.89	3.85	4.34	3.85	1.41	2.07	1.40	4.10	1.95	2.72	2.22	32.77
1911	1.89	3.22	1.66	2.13	2.65	3.55	1.74	.53	2.63	5.02	4.39	2.04	31.45
1912	2.41	3.72	3.20	2.46	2.14	5.28	3.17	4.01	.27	5.13	2.18	2.57	36.54
1913	1.72	2.76	4.11	2.05	2.30	3.94	3.04	3.48	.90	.95	2.57	2.44	30.26
1914	7.89	1.83	3.82	2.17	2.38	3.82	6.03	2.30	1.38	2.52	3.58	.25	37.97
1915	1.10	1.77	2.47	3.24	2.75	.01	1.08	1.57	1.62	10.98	5.88	.60	35.07
1916	2.82	3.29	2.89	1.56	4.13	3.09	4.19	5.02	6.60	4.91	1.78	2.09	42.36
1917	.88	1.89	2.82	2.64	1.98	3.60	3.07	3.15	5.13	1.89	3.12	1.06	31.23
1918	5.81	1.06	2.96	2.23	1.93	1.94	3.19	2.03	3.50	7.13	2.29	7.58	41.65
1919	1.54	2.70	2.17	3.51	2.28	3.94	2.47	5.88	3.03	2.74	2.96	4.10	37.12
1920	2.92	6.10	1.59	1.67	4.90	3.72	4.92	2.99	4.82	2.70	2.92	5.26	44.51
1921	1.58	5.76	4.37	1.50	1.95	2.27	3.99	2.18	2.52	6.06	1.25	2.05	35.48
1922	2.34	6.50	1.91	1.32	2.33	4.54	1.44	4.95	10.58	8.40	3.10	2.34	49.75
1923	2.19	.82	2.44	5.32	1.30	2.32	4.80	1.71	2.93	3.44	2.32	1.68	31.27
1924	3.87	4.16	4.26	3.29	1.99	1.28	4.47	3.34	3.13	2.67	3.96	7.40	45.82
1925	.02	2.62	1.63	2.70	2.06	7.53	2.38	2.51	3.07	3.47	1.63	2.06	31.48
1926	5.20	4.44	4.75	2.04	3.36	2.59	2.07	1.23	1.68	2.27	3.16	1.27	34.06
1927	3.79	4.11	2.92	1.92	2.98	1.26	1.13	2.25	2.00	4.58	6.95	4.28	37.97
1928	4.53	4.67	4.43	2.22	2.90	1.24	4.56	2.88	5.82	3.73	5.23	2.89	45.10
1929	2.64	2.02	2.97	2.94	3.94	5.31	5.63	3.40	3.07	.96	1.41	2.74	35.03
1930	2.43	2.40	3.14	2.05	1.94	3.70	1.64	2.58	2.91	5.19	1.97	1.47	31.42
1931	3.83	3.05	1.54	2.96	2.24	4.74	3.26	3.17	6.41	2.62	4.81	3.14	41.77
1932	2.79	1.03	3.59	4.56	1.95	4.26	1.63	.69	1.33	3.39	3.92	6.11	35.25
1933	7.07	4.85	1.71	2.61	3.07	6.11	5.83	1.80	.97	3.65	2.45	8.76	48.98
1934	4.14	1.38	3.85	3.09	4.00	4.62	2.51	2.98	3.85	2.32	1.32	7.04	41.30
1935	3.32	2.82	2.52	7.18	3.30	1.67	4.07	1.41	6.89	4.48	1.26	4.77	43.69
1936	.87	5.61	1.29	6.91	3.09	7.87	4.33	2.53	2.60	5.04	2.99	3.20	46.33
1937	1.94	1.28	7.95	5.11	2.31	4.13	5.16	3.51	4.98	.49	2.35	3.96	43.17
1938	4.20	6.01	5.25	3.87	2.87	1.98	3.43	3.78	6.74	12.28	4.30	7.93	62.64
1939	2.38	3.04	3.17	1.80	3.69	4.24	5.16	1.60	3.52	1.16	4.96	2.34	37.06
1940	4.57	.90	3.27	2.96	3.01	4.16	4.87	5.47	3.28	4.08	1.42	2.93	40.92
1941	.64	6.27	3.04	3.11	2.68	1.61	1.27	3.00	2.21	4.79	2.35	.39	31.36
1942	2.73	2.57	4.37	2.60	3.89	6.86	1.61	2.54	2.95	5.94	1.65	1.97	39.88
1943	2.53	5.21	5.56	2.95	1.32	2.99	2.43	5.59	1.82	6.15	2.76	.34	39.65
1944	5.02	4.35	.91	2.29	2.74	4.11	2.45	.95	4.74	2.89	.87	8.15	40.77
1945	2.27	4.81	4.20	2.92	4.35	1.64	2.96	4.59	4.29	4.38	2.36	1.14	39.91

PRECIPITATION RECORDS

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HAVERHILL, MASS. (City Hall).
Lat. 42°46'25", Long. 71°04'40". Elevation, 125 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1900	-	-	-	4.56	8.28	6.47	1.60	4.21	1.53	2.07	3.46	4.93	-
1901	3.86	4.75	2.59	1.23	.70	5.23	8.99	6.89	1.16	3.41	2.76	2.04	43.60
1902	2.98	2.81	8.35	2.31	3.52	6.15	5.41	2.07	2.24	3.76	3.94	3.02	46.56
1903	4.61	.67	5.12	2.93	2.89	5.52	3.60	.67	9.37	2.35	3.43	1.89	43.05
1904	3.14	1.21	3.18	4.63	2.72	2.82	8.13	2.76	3.16	2.32	2.73	6.42	43.22
1905	1.26	1.62	1.93	5.77	1.66	3.00	2.80	1.23	7.04	1.29	2.58	5.82	36.00
1906	1.05	1.95	4.68	2.54	2.51	7.77	2.61	5.92	4.79	3.97	1.99	1.20	40.98
1907	1.96	3.76	3.48	3.84	1.80	1.78	2.99	2.04	2.79	4.53	.86	7.20	37.03
1908	4.12	5.39	3.36	2.71	3.47	2.18	1.87	4.21	.86	3.21	4.98	.72	36.96
1909	3.52	1.11	2.43	3.85	4.57	3.08	4.20	1.72	1.23	1.85	2.45	4.51	34.52
1910	.97	3.89	3.85	4.34	3.85	1.41	2.07	1.40	4.10	1.95	2.72	2.22	32.77
1911	1.89	3.22	1.66	2.13	2.65	3.55	1.74	.53	2.63	5.02	4.39	2.04	31.45
1912	2.41	3.72	3.20	2.46	2.14	5.28	3.17	4.01	.27	5.13	2.18	2.57	36.54
1913	1.72	2.76	4.11	2.05	2.30	3.94	3.04	3.48	.90	.95	2.57	2.44	30.26
1914	7.89	1.83	3.82	2.17	2.38	3.82	6.03	2.30	1.38	2.52	3.58	.25	37.97
1915	1.10	1.77	2.47	3.24	2.75	.01	1.08	1.57	1.62	10.98	5.88	.60	33.07
1916	2.82	3.29	2.88	1.56	4.13	3.09	4.19	5.02	6.60	4.91	1.78	2.09	42.36
1917	.88	1.89	2.82	2.64	1.98	3.60	3.07	3.15	5.13	1.89	3.12	1.06	31.23
1918	5.81	1.06	2.96	2.25	1.92	1.94	3.19	2.03	3.50	7.13	2.29	7.58	41.65
1919	1.54	2.70	2.17	3.51	2.28	3.94	2.47	5.88	3.03	2.74	2.96	4.10	37.12
1920	2.92	6.10	1.59	1.67	4.90	3.72	4.92	2.99	4.82	2.70	2.92	5.26	44.51
1921	1.58	5.76	4.37	1.38	2.84	2.07	4.27	2.31	1.19	5.92	1.46	2.07	36.22
1922	2.45	6.56	2.07	1.87	2.81	4.13	2.21	4.53	10.01	8.02	2.90	1.79	49.35
1923	2.07	.96	3.09	6.59	1.36	2.37	4.68	1.67	3.06	2.60	2.14	1.91	32.50
1924	3.80	4.09	5.17	3.41	2.35	1.70	4.18	3.37	2.99	2.32	4.03	6.15	43.54
1925	.66	2.16	1.53	3.07	1.64	7.37	2.23	2.11	3.40	3.24	1.61	2.22	31.24
1926	5.00	4.18	4.39	1.86	4.64	1.81	2.79	1.26	1.75	1.94	2.73	1.06	33.41
1927	3.61	3.71	3.13	2.49	3.10	1.28	1.18	2.20	1.78	2.53	7.56	3.68	37.03
1928	4.22	4.57	5.97	1.95	3.15	1.40	4.91	2.93	5.32	4.15	4.36	2.98	44.55
1929	2.55	.89	3.92	2.49	3.97	3.56	5.50	3.30	2.95	.71	1.49	2.03	33.32
1930	2.19	2.72	3.22	2.27	1.92	3.61	1.47	2.66	2.50	5.14	1.54	1.53	30.78
1931	3.68	2.93	2.17	2.67	2.42	5.02	2.69	2.89	6.11	2.32	4.46	3.01	40.37
1932	2.52	.91	3.16	5.19	1.93	4.29	1.77	.74	1.03	3.07	3.17	5.66	33.44
1933	5.77	4.23	1.53	2.47	3.25	5.95	6.57	1.77	1.38	4.28	2.27	8.49	47.96
1934	4.05	1.37	3.37	2.79	3.62	2.71	4.31	2.84	3.50	1.64	1.51	6.26	37.97
1935	3.14	2.61	2.18	6.84	3.19	1.58	3.75	1.05	6.40	3.55	1.06	4.88	40.23
1936	.91	6.10	1.21	7.18	3.07	6.80	2.69	1.81	2.20	4.89	2.77	1.51	41.14
1937	2.95	1.19	7.32	4.04	2.17	3.61	4.55	3.07	3.85	.42	2.08	3.52	33.55
1938	3.32	5.07	4.37	4.65	2.30	1.81	3.29	3.58	6.55	12.86	4.44	7.41	60.15
1939	2.51	2.65	2.95	2.12	2.64	5.54	4.95	1.56	3.01	1.52	4.43	2.06	35.94
1940	3.27	2.20	3.23	2.26	4.55	4.00	4.67	4.13	4.44	3.41	1.25	2.73	40.14
1941	.53	6.19	2.09	2.99	1.90	2.54	.67	2.78	1.72	4.71	1.06	1.28	29.46
1942	2.42	2.23	3.53	2.94	3.51	6.90	2.02	2.32	2.88	5.39	1.35	1.94	37.43
1943	2.42	5.50	5.51	2.80	1.22	3.42	2.80	4.91	1.80	6.60	3.50	.35	40.63
1944	5.01	4.57	.90	2.67	2.67	3.80	3.39	.96	4.45	2.54	.75	7.91	39.62
1945	1.64	5.97	3.20	2.63	4.35	1.64	2.96	4.59	4.29	4.38	2.76	1.14	39.15

HEATH, MASS. (a)
Lat. 42°40'25", Long. 72°49'20". Elevation, 1,450 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	3.84	5.61	1.90	2.49	5.70	4.59	6.50	2.65	7.18	3.64	3.78	6.79	54.67
1921	1.32	6.98	5.14	1.76	3.47	4.25	5.19	2.84	6.18	4.98	3.16	3.39	48.66
1922	2.28	8.02	1.37	2.35	1.94	7.13	3.05	7.39	7.69	3.13	5.68	2.25	52.28
1923	2.43	1.91	3.38	5.48	2.96	2.29	2.94	3.31	3.52	4.77	2.87	4.94	40.80
1924	10.10	5.32	4.00	4.31	2.72	.83	7.86	3.33	2.16	2.81	4.16	8.00	55.60
1925	.00	4.49	2.42	2.24	2.56	3.24	3.58	1.72	4.20	4.68	3.04	4.74	36.91
1926	3.83	5.15	3.39	3.04	3.56	2.96	2.95	1.75	3.52	4.35	2.91	3.60	41.01
1927	6.09	5.47	2.45	2.86	4.94	1.86	1.50	4.12	4.16	5.75	4.30	3.00	46.50
1928	6.10	8.57	4.21	2.30	2.53	2.08	4.03	3.40	7.84	5.11	6.88	3.01	56.04
1929	.95	2.23	.90	3.42	3.51	3.98	6.46	4.04	2.71	1.66	1.70	2.79	34.35
1930	3.73	2.51	3.57	2.71	1.18	5.27	1.71	4.46	4.97	3.94	2.82	1.98	38.85
1931	2.64	3.81	1.08	2.67	2.37	4.06	3.49	6.44	5.52	3.81	4.11	3.95	43.95
1932	2.69	1.81	4.23	5.48	2.39	4.11	2.63	2.16	1.55	4.64	3.14	2.64	37.47
1933	6.02	7.82	2.15	2.82	3.02	5.60	5.33	1.82	1.79	2.25	6.73	6.58	51.93
1934	3.06	1.26	3.81	3.56	2.87	3.69	5.02	2.81	5.90	3.70	2.61	9.12	47.41
1935	2.21	4.49	3.23	5.26	2.57	2.33	2.25	2.81	6.58	6.30	1.40	5.50	44.93
1936	1.28	5.28	1.30	5.56	2.78	6.43	3.86	2.12	2.29	2.78	7.67	2.27	45.60
1937	3.17	2.48	6.21	5.36	3.72	4.43	4.56	7.11	4.32	2.32	5.25	6.87	55.82
1938	6.25	5.84	3.41	5.21	2.25	2.52	3.37	4.81	5.72	7.35	3.55	12.68	62.96
1939	2.44	3.24	3.74	3.35	3.75	3.68	5.87	1.60	4.88	1.84	4.38	3.60	42.37
1940	3.94	1.27	3.00	2.44	4.20	5.33	5.27	6.58	4.28	5.44	3.42	3.34	48.51
1941	1.19	6.01	3.56	2.66	2.99	2.31	1.35	2.83	6.67	4.24	3.50	1.03	38.34
1942	2.66	3.14	4.79	3.12	2.79	7.15	1.84	5.21	2.28	7.40	1.63	6.08	48.09
1943	4.94	5.62	5.73	3.17	1.67	3.42	4.49	7.65	3.19	7.30	3.50	2.42	53.12
1944	6.68	5.83	.67	1.73	2.25	4.90	4.59	1.53	7.25	4.42	1.86	5.59	47.40
1945	1.77	4.52	4.31	4.34	4.81	2.14	6.74	8.29	7.11	8.10	2.58	3.66	58.27

PRECIPITATION RECORDS

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HOLYOKE, MASS. (Ashley Pond, Holyoke Water Works)
 Lat. 42°11'00", Long. 72°39'20". Elevation, 330 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1907	-	-	-	3.18	2.25	1.86	1.94	3.90	3.69	2.25	1.33	8.89	-
1908	5.73	4.98	4.05	3.04	4.74	3.02	4.55	1.82	2.15	4.74	5.57	.18	41.57
1909	2.57	.83	2.75	2.97	5.78	5.57	6.29	2.76	2.26	1.94	5.01	4.36	40.89
1910	1.45	2.86	3.41	6.40	4.50	1.70	3.94	3.06	3.84	1.24	2.41	3.31	38.12
1911	.87	4.03	1.79	2.21	1.83	3.69	2.05	.99	2.94	6.11	6.37	3.84	36.72
1912	8.85	3.48	3.08	1.48	3.08	6.00	4.80	5.27	.48	1.89	5.22	2.46	48.09
1913	2.96	3.99	4.13	3.06	2.07	6.11	3.10	5.12	.85	1.06	2.98	2.49	37.92
1914	6.35	2.50	2.66	2.44	3.74	4.44	5.20	2.88	2.72	2.57	3.25	.24	39.19
1915	2.43	3.58	3.15	6.09	5.10	.10	2.43	1.60	1.90	7.84	9.53	2.55	46.30
1916	2.37	3.17	5.31	1.40	4.50	2.61	3.30	2.97	6.07	6.26	2.55	3.98	44.49
1917	1.21	3.21	2.73	3.32	2.73	3.73	1.78	4.28	5.61	3.18	3.76	.48	36.02
1918	7.46	.85	2.64	3.74	2.08	3.15	2.26	2.27	4.85	2.19	2.94	7.65	41.88
1919	1.15	2.91	3.55	2.08	3.08	5.98	2.60	6.53	1.98	6.44	2.85	4.57	43.72
1920	2.01	6.22	1.89	1.89	5.34	3.06	4.92	3.39	6.27	3.13	5.84	5.96	44.92
1921	2.05	4.78	5.67	2.41	2.47	2.77	4.52	3.07	2.82	3.42	3.63	2.07	39.68
1922	1.33	5.68	1.90	1.31	2.65	4.49	2.82	5.29	7.54	4.36	3.27	2.13	42.77
1923	3.03	1.23	3.46	5.61	1.70	2.27	3.95	2.96	3.72	2.39	2.80	2.14	35.26
1924	5.98	3.50	4.78	4.36	2.08	.78	5.52	3.52	2.35	1.70	4.14	4.63	43.54
1925	.41	2.66	1.97	3.10	3.34	3.92	2.87	2.60	3.46	5.44	2.54	2.82	35.15
1926	4.09	2.82	2.71	2.22	3.67	2.76	3.47	1.75	2.27	4.10	4.63	1.63	36.12
1927	5.06	5.40	2.23	1.97	2.69	1.69	1.75	4.25	4.58	5.83	7.12	2.30	44.87
1928	4.98	8.13	4.56	2.83	3.55	2.46	4.95	2.92	6.37	5.93	8.77	2.91	58.36
1929	.83	1.30	1.74	4.51	4.01	2.87	6.10	4.36	.85	.42	1.91	2.87	31.77
1930	3.43	2.97	3.59	2.10	1.64	3.41	1.52	4.88	6.62	5.08	1.68	2.16	39.08
1931	2.21	3.82	1.56	3.04	1.59	3.13	3.02	6.17	7.05	3.80	4.35	1.85	41.59
1932	2.83	1.34	3.29	4.91	2.28	3.51	1.85	1.62	8.09	3.87	4.24	3.85	41.68
1933	6.52	8.33	1.64	1.81	3.29	5.37	5.62	2.72	3.39	1.91	7.09	8.61	56.30
1934	3.25	1.22	3.62	3.85	3.34	2.42	5.51	4.90	6.95	2.65	5.47	11.68	54.84
1935	2.61	3.61	4.41	4.21	2.53	1.53	2.40	2.27	5.71	5.58	.81	5.16	40.83
1936	.85	4.31	.95	5.65	2.80	7.37	3.95	3.72	4.25	1.98	5.11	3.02	43.96
1937	4.90	1.84	6.18	5.22	2.57	3.39	4.57	5.41	4.90	3.91	8.02	3.67	54.58
1938	6.42	5.71	2.34	6.08	2.05	2.20	3.34	4.22	8.22	10.76	1.98	12.75	66.07
1939	3.11	3.66	4.08	2.82	4.55	4.31	4.19	1.08	4.46	3.37	8.54	3.53	47.70
1940	5.62	1.14	3.10	2.92	3.57	5.66	6.06	6.36	3.32	3.18	2.31	2.99	46.23
1941	1.62	6.86	2.21	2.72	2.32	2.33	1.06	2.58	5.46	7.49	3.05	.86	38.56
1942	2.25	3.66	3.52	3.61	1.78	5.92	1.08	4.61	4.33	5.58	2.26	5.42	44.02
1943	4.61	4.78	6.45	3.47	3.23	3.62	3.55	6.42	3.35	6.38	3.83	1.85	46.54
1944	5.87	5.22	.57	1.76	2.05	4.52	4.80	1.13	4.71	2.07	2.57	7.82	43.09
1945	2.16	4.10	3.03	3.09	4.11	2.77	6.56	7.69	6.67	6.42	3.64	3.51	53.75

HOLYOKE, MASS. (High Service Reservoir, Holyoke Water Works.)
 Lat. 42°10'45", Long. 72°40'05". Elevation, 450 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1907	-	-	-	3.01	2.08	1.90	1.88	3.56	3.61	1.91	1.23	8.66	-
1908	5.85	4.90	3.92	2.88	4.79	2.83	1.39	6.80	1.88	4.52	5.45	.15	45.36
1909	2.34	.71	1.97	3.25	5.29	3.63	6.21	2.71	2.08	1.63	4.97	3.94	38.73
1910	1.30	2.81	3.40	6.11	4.38	1.60	4.13	2.90	3.96	1.24	2.46	3.11	37.40
1911	.79	4.08	1.76	2.27	1.72	3.64	2.26	.87	3.06	5.71	6.52	3.83	36.51
1912	8.73	3.51	2.97	1.50	3.02	5.90	4.67	5.82	.52	1.96	4.96	2.46	45.82
1913	3.40	4.06	3.75	3.03	2.70	6.24	3.22	5.34	1.06	1.18	2.14	2.43	39.13
1914	6.22	2.41	2.60	2.61	3.63	4.50	3.32	2.86	2.62	2.42	2.32	.26	39.60
1915	2.39	3.28	3.11	5.10	4.61	.08	2.45	1.91	2.91	8.37	8.18	2.49	44.88
1916	2.52	3.38	4.82	1.42	4.32	2.42	3.01	3.13	5.99	5.74	2.50	4.01	43.06
1917	1.09	3.34	2.81	3.28	2.70	3.67	2.01	4.44	6.08	3.12	3.87	.51	36.90
1918	8.36	.80	2.42	2.96	2.04	3.23	2.07	2.09	4.45	2.07	2.04	7.50	40.03
1919	.95	2.54	3.39	2.14	3.11	5.87	2.66	6.47	1.99	6.61	3.05	4.38	43.36
1920	1.95	6.30	1.80	1.81	5.06	3.21	5.52	3.55	6.51	2.99	5.50	6.15	50.15
1921	2.28	4.51	5.97	2.37	2.46	3.28	4.47	3.06	3.07	4.13	3.85	2.03	41.48
1922	1.23	5.65	1.97	1.28	2.57	4.34	2.86	5.27	7.27	4.29	3.48	2.01	42.22
1923	3.08	1.20	3.44	5.55	1.84	2.13	4.03	3.04	3.26	2.35	2.68	1.92	34.52
1924	6.21	3.46	4.68	4.52	1.96	.81	5.59	3.54	2.35	1.73	3.89	4.53	43.09
1925	.48	2.08	1.85	3.04	3.24	3.79	2.90	2.72	3.39	6.16	2.93	2.83	35.41
1926	2.93	2.98	2.47	2.03	3.59	2.80	3.40	1.67	2.24	4.15	4.69	1.58	34.53
1927	5.14	5.43	1.77	1.76	2.93	1.72	1.75	4.32	4.62	5.90	7.62	2.26	45.22
1928	5.00	8.23	4.54	2.96	8.45	2.51	5.05	2.81	6.49	6.18	5.65	2.95	55.82
1929	.87	1.31	1.34	4.43	3.74	2.80	6.81	4.25	.94	.44	1.91	2.75	31.59
1930	3.55	3.12	3.50	1.96	1.61	3.59	1.87	4.79	6.85	5.72	2.02	2.26	40.82
1931	2.09	3.69	1.64	3.19	1.70	3.71	2.79	6.47	6.59	3.35	4.38	1.79	41.93
1932	2.89	1.41	3.11	4.92	2.44	8.95	2.37	1.71	7.94	3.84	3.90	3.45	41.93
1933	6.10	7.54	1.40	1.87	3.43	5.42	5.51	2.83	3.33	1.71	6.44	8.03	53.61
1934	2.99	1.09	3.97	3.65	2.92	2.10	6.26	4.57	6.37	2.21	5.34	10.31	51.78
1935	2.61	3.94	3.88	4.33	2.83	1.68	2.37	1.98	5.27	4.70	.40	4.50	38.49
1936	.74	3.51	.86	5.71	2.69	6.62	4.52	3.16	4.37	1.84	4.93	2.79	41.54
1937	4.58	1.52	6.12	5.11	2.60	3.50	4.86	2.28	4.69	4.07	7.95	3.28	53.56
1938	4.95	5.46	2.25	5.71	2.19	2.21	3.24	3.82	7.60	9.94	1.75	11.55	60.35
1939	2.72	3.40	4.21	2.59	3.99	4.08	4.12	2.95	4.30	2.30	8.31	2.95	43.92
1940	4.67	.87	3.02	3.22	3.36	5.12	6.07	6.53	3.58	2.26	2.20	2.40	44.30
1941	1.42	6.96	2.77	2.11	2.81	1.88	1.04	2.29	4.74	7.24	3.11	.76	37.13
1942	1.98	3.41	3.96	3.90	1.88	6.60	1.07	4.71	4.12	5.54	2.20	5.80	45.17
1943	4.58	5.54	6.86	3.67	2.75	4.16	3.60	6.00	3.31	5.67	.86	1.92	48.72
1944	5.53	5.51	.69	1.73	2.94	5.34	4.69	1.04	4.72	2.28	2.26	6.64	43.32
1945	2.08	4.67	3.43	2.66	4.94	2.32	5.68	7.46	6.52	6.30	3.77	3.09	52.92

HYDROLOGY OF MASSACHUSETTS

HOLYOKE, MASS. (Holyoke Water Power Co.)^(b)
 Lat. 42°12'20", Long. 72°36'10". Elevation, 90 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1897	-	-	-	-	-	-	-	-	-	15.77	5.91	1.58	-
1898	0.65	6.81	5.27	5.73	5.38	1.48	4.74	5.31	3.30	3.78	6.97	2.37	51.79
1899	6.16	5.28	2.69	3.70	2.47	6.84	3.46	1.64	4.12	6.54	1.08	4.48	48.46
1900	2.06	2.78	2.22	3.50	8.85	5.03	1.44	4.28	2.52	2.74	2.40	2.87	40.69
1901	0.43	6.04	3.19	1.96	.63	6.18	7.72	7.12	1.17	3.28	6.94	2.97	50.63
1902	2.89	1.63	7.29	1.83	2.57	6.42	3.40	1.80	3.66	4.06	4.82	5.48	46.95
1903	5.88	1.31	8.25	3.16	4.59	6.55	2.57	1.30	8.13	3.53	6.35	2.09	52.71
1904	2.81	2.25	3.80	4.29	2.35	4.29	6.36	3.51	2.93	3.99	3.75	4.44	44.87
1905	2.29	1.26	2.96	4.85	1.60	3.89	2.72	.84	3.61	2.21	5.09	6.72	38.04
1906	1.86	2.14	3.68	2.55	2.81	5.68	3.55	5.94	4.83	4.60	1.92	3.12	42.68
1907	5.43	2.56	2.56	4.29	2.58	1.96	2.57	3.85	3.34	3.16	1.17	9.43	43.00
1908	5.52	4.66	4.31	3.21	5.16	3.13	1.74	6.55	1.95	6.07	7.24	1.09	50.63
1909	2.46	.89	2.95	4.07	6.10	3.77	6.06	3.06	2.10	2.00	4.66	4.37	42.49
1910	1.28	2.89	3.51	6.69	4.99	1.74	3.48	2.69	3.76	1.49	2.63	4.02	39.17
1911	.73	3.73	1.73	2.25	1.78	3.41	2.15	.53	2.54	8.76	5.80	4.54	37.95
1912	8.94	3.58	2.98	2.34	3.18	6.42	5.23	5.04	.45	2.16	3.95	2.24	46.51
1913	2.76	3.72	4.34	2.94	2.69	6.02	3.68	5.04	.75	.96	3.45	5.29	38.94
1914	6.41	2.16	2.99	1.98	5.11	5.00	5.67	2.81	2.45	2.86	3.03	.19	40.76
1915	2.36	3.54	3.05	6.03	5.40	.11	2.08	2.68	1.97	7.17	8.62	2.17	44.98
1916	2.52	2.30	5.90	1.50	5.61	3.79	4.04	3.07	5.36	6.79	1.50	3.88	46.26
1917	1.13	2.84	3.72	3.25	3.25	3.91	1.74	3.91	4.65	5.67	3.93	.67	38.67
1918	5.69	.82	3.23	4.41	2.14	3.40	2.47	2.49	4.65	1.59	4.01	7.07	41.97
1919	1.22	2.70	3.91	2.35	3.15	6.53	2.80	6.87	2.40	6.34	3.11	4.83	46.21
1920	2.01	5.96	2.12	2.92	5.63	4.06	5.73	4.25	6.59	4.51	6.66	4.74	55.18
1921	3.55	5.43	6.00	2.65	3.61	2.84	5.47	2.98	2.56	5.42	3.71	2.03	46.25
1922	1.29	6.90	2.22	1.76	3.28	4.79	3.09	5.47	8.13	4.38	3.26	1.97	46.64
1923	3.41	1.49	4.07	8.35	1.99	2.94	3.88	2.95	2.99	2.08	2.52	2.15	38.81
1924	6.57	3.40	6.15	4.65	2.83	1.03	5.67	3.34	2.34	5.59	4.82	5.63	45.22
1925	.92	2.84	2.07	4.15	3.36	4.93	3.12	2.51	3.64	6.06	2.90	2.86	39.36
1926	4.32	2.75	3.00	2.81	6.36	2.84	3.58	1.58	2.24	4.31	4.23	1.65	39.47
1927	4.98	5.63	3.28	2.63	3.17	1.71	1.76	3.77	4.23	3.97	8.43	2.03	45.59
1928	4.37	8.05	4.42	2.90	3.42	2.58	5.00	2.64	6.96	5.21	9.37	2.86	57.78
1929	.89	1.07	1.67	4.22	4.74	3.31	6.43	4.54	1.08	.36	1.97	3.05	33.53
1930	3.13	2.87	4.16	2.00	1.83	3.42	1.66	4.64	5.94	4.26	1.56	1.56	36.73
1931	2.01	3.92	1.43	3.54	1.64	3.66	2.82	6.32	6.45	2.84	4.29	1.46	40.38
1932	2.60	.82	3.71	4.34	2.58	3.50	2.51	1.90	7.23	3.20	4.90	3.85	41.14
1933	5.42	6.38	1.48	2.30	3.61	5.09	5.47	2.41	2.85	1.11	6.50	8.13	50.75
1934	3.05	.79	3.78	3.87	2.83	2.58	5.95	4.87	6.32	2.47	4.09	10.35	50.95
1935	2.43	2.68	3.34	5.58	2.96	1.66	2.58	2.00	5.14	3.27	.63	4.73	37.00
1936	.65	4.00	.90	6.45	3.17	7.23	3.65	3.42	3.84	1.58	4.09	3.08	42.06
1937	4.34	1.68	5.86	5.48	2.38	3.50	4.33	4.93	3.96	2.66	5.70	3.33	48.15
1938	4.26	5.90	2.29	5.38	2.02	1.95	3.15	3.69	7.20	9.65	1.57	11.79	58.85
1939	2.86	3.06	3.93	2.37	3.34	4.94	4.14	1.16	3.37	3.17	4.77	2.94	40.05
1940	4.80	.97	3.22	3.01	3.33	5.33	6.02	5.71	3.14	3.39	1.72	2.53	43.17
1941	1.27	6.25	2.54	2.58	1.83	2.27	.77	2.05	3.42	5.73	1.75	2.02	32.30
1942	1.85	3.70	3.33	2.75	3.10	6.59	.88	4.26	4.60	4.95	2.24	4.39	43.14
1943	3.38	5.87	6.39	3.61	1.69	3.88	2.80	6.00	3.33	5.14	1.52	1.77	44.78
1944	5.29	4.95	.58	1.55	2.23	4.69	4.45	1.18	5.08	2.13	3.04	6.25	41.42
1945	1.99	4.05	3.41	3.57	3.64	2.14	5.64	6.88	6.53	5.45	3.33	2.82	49.45

HOLYOKE, MASS. (Whiting St. Reservoir, Holyoke Water Works.)
 Lat. 42°14'20", Long. 72°38'05". Elevation, 370 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1907	-	-	-	2.51	2.40	2.00	2.64	4.80	3.47	3.76	1.38	9.78	-
1908	5.27	4.83	4.04	2.65	4.79	2.50	2.54	6.28	1.86	3.17	5.98	.18	44.09
1909	2.21	.73	2.87	2.99	5.59	3.77	5.88	2.84	2.62	1.58	4.64	4.40	40.10
1910	1.07	2.51	3.75	6.68	5.41	1.54	3.82	2.79	3.89	1.48	2.98	3.29	39.01
1911	.89	3.32	1.43	1.95	1.85	3.72	1.74	1.15	2.40	6.10	6.40	3.77	34.72
1912	8.40	3.12	3.13	1.70	1.05	5.76	4.82	5.21	.59	1.84	2.99	2.62	41.23
1913	3.02	3.66	3.23	3.20	2.28	5.89	3.23	5.58	.61	1.10	2.77	3.07	37.64
1914	6.10	2.29	2.45	3.43	1.57	4.34	4.58	2.80	2.29	3.68	3.74	.27	37.64
1915	2.32	3.18	3.01	5.68	5.06	.10	3.61	1.71	4.40	6.91	7.26	1.65	44.89
1916	2.46	2.80	4.37	1.65	4.56	2.53	3.15	2.88	7.01	5.16	2.46	5.93	44.96
1917	1.00	3.41	2.99	3.42	2.77	3.88	1.75	4.17	4.21	2.93	5.30	.64	36.47
1918	6.68	.74	2.74	3.80	2.39	5.32	2.28	2.59	4.63	1.83	2.67	8.44	42.11
1919	1.22	3.14	3.67	2.08	3.11	5.33	2.52	6.81	2.14	5.75	3.27	4.31	43.95
1920	2.20	7.16	1.93	1.93	6.84	3.30	5.28	4.40	6.69	2.80	5.81	6.34	54.68
1921	2.67	4.78	6.16	2.41	2.47	2.96	3.98	3.03	3.33	4.55	3.63	2.26	42.23
1922	1.38	7.13	2.39	1.39	2.70	5.10	3.12	5.31	9.74	4.41	3.82	2.42	48.91
1923	2.53	1.54	3.56	6.59	2.20	2.81	4.33	3.42	3.01	2.69	3.46	2.36	38.50
1924	6.17	3.99	5.25	4.41	2.18	.89	5.90	3.66	1.95	1.49	3.54	5.58	45.01
1925	.46	3.45	2.23	2.95	3.37	3.43	3.38	2.68	3.23	6.54	3.22	2.27	37.21
1926	3.08	3.39	3.17	2.78	4.00	3.08	3.68	1.97	2.33	4.56	4.51	1.86	39.41
1927	5.26	6.04	3.01	2.38	3.36	2.03	1.76	4.46	4.84	4.65	6.96	2.47	47.22
1928	4.99	8.43	5.08	3.36	3.87	2.93	5.32	3.26	6.94	6.67	9.84	3.30	63.99
1929	.87	1.49	1.77	4.88	4.45	3.50	7.37	4.56	1.78	.70	1.48	2.47	35.32
1930	3.17	3.04	4.15	2.23	1.81	4.02	1.74	4.68	5.37	4.63	2.41	1.61	38.86

PRECIPITATION RECORDS

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HOLYOKE, MASS. (Whiting St. Reservoir, Holyoke Water Works)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	2.42	3.86	2.69	4.17	1.77	4.07	3.11	6.90	6.05	5.27	4.75	1.65	46.71
1932	3.34	1.37	3.82	4.95	2.78	4.10	2.79	1.77	4.03	2.84	4.90	3.03	39.72
1933	6.21	7.46	1.81	2.48	3.80	5.84	6.11	2.79	3.82	1.21	6.03	8.77	56.33
1934	3.32	1.32	3.82	4.03	3.51	2.52	6.86	4.50	6.32	1.92	4.08	11.72	53.44
1935	2.70	3.58	4.70	4.56	3.02	2.13	2.54	2.10	5.45	4.61	.56	4.66	40.61
1936	1.21	4.83	1.07	5.80	3.32	3.55	4.48	2.79	4.13	1.68	4.44	3.05	45.35
1937	4.90	2.12	6.28	5.92	2.99	3.57	4.92	4.80	5.02	4.68	9.36	4.16	48.74
1938	5.19	6.02	2.66	6.53	2.14	2.04	3.14	4.02	8.82	9.75	1.89	12.74	65.14
1939	2.76	3.61	4.26	2.70	4.34	4.43	4.30	.88	3.60	2.76	6.04	3.32	43.02
1940	4.52	.90	3.27	3.20	3.95	5.33	6.57	6.11	3.62	2.91	1.70	3.58	45.66
1941	1.24	6.24	2.72	2.91	2.59	2.62	.97	2.34	4.89	5.83	3.63	.88	36.86
1942	2.05	3.39	4.07	3.99	1.85	6.94	1.02	4.46	3.69	4.74	1.66	4.92	42.78
1943	4.45	5.92	6.88	4.05	3.25	4.06	3.57	6.25	3.07	7.22	1.78	2.26	52.86
1944	5.87	5.32	.51	1.77	2.34	4.91	4.84	.81	4.72	2.93	2.23	4.89	40.64
1945	2.01	4.70	3.27	3.41	4.29	1.93	5.83	7.04	6.77	6.26	3.84	2.92	52.27

HOLDEN, MASS. (Vicinity of Holden Reservoirs, Worcester Water Works.)
Lat. 42°18', Long. 71°52'. Elevation, 750 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	-	-	3.60	2.71	1.12	2.68	2.83	2.87	2.83	6.70	1.63	-
1886	5.11	6.80	2.78	6.83	7.15	3.66	1.58	2.99	2.03	4.28	4.87	3.62	51.70
1887	2.50	5.33	3.00	4.82	4.89	-	.82	2.50	8.04	9.95	1.10	-	-
1888	2.46	2.97	1.38	3.60	4.35	6.23	3.00	4.27	2.93	2.25	5.79	8.85	48.08
1889	6.97	3.27	5.89	5.40	1.53	1.39	2.04	3.07	2.88	7.26	1.28	3.65	44.63
1890	3.52	6.45	2.88	2.68	3.94	3.15	1.26	4.93	2.93	3.50	6.29	5.97	47.50
1891	9.78	1.26	3.33	6.72	4.85	4.79	2.31	1.91	3.47	3.77	4.63	2.24	49.06
1892	3.03	3.21	5.04	4.89	1.74	2.08	1.19	6.21	2.49	5.13	6.68	1.50	42.19
1893	.58	5.58	.43	2.49	5.03	3.83	3.40	6.35	2.22	1.21	2.77	2.10	35.99
1894	4.85	2.09	4.32	3.02	2.98	1.22	3.17	4.37	1.15	2.36	1.15	2.58	32.26
1895	3.37	2.90	2.92	4.00	.85	2.22	5.43	3.29	4.33	5.05	3.28	2.64	40.28
1896	7.40	8.14	3.62	1.30	3.77	7.47	.65	3.02	2.70	4.83	2.24	7.73	52.87
1897	3.15	3.06	1.68	4.80	2.47	3.86	2.76	4.24	4.65	7.83	3.09	1.59	42.18
1898	.65	6.59	5.88	4.59	4.18	2.21	3.54	2.99	5.65	2.32	9.53	3.17	48.10
1899	6.03	6.76	2.66	3.66	4.13	5.75	1.81	1.01	2.34	3.79	3.01	3.53	47.48
1900	1.48	2.37	1.97	4.15	6.76	7.24	2.69	4.04	3.37	5.19	2.47	2.45	46.18
1901	4.44	7.12	1.94	1.89	1.52	6.45	9.86	7.26	1.42	5.37	4.44	3.49	55.20
1902	4.79	3.13	10.09	2.84	2.57	6.68	4.12	1.94	2.61	3.69	3.65	3.96	50.07
1903	6.18	.97	7.11	3.11	3.94	6.83	2.95	1.24	10.10	4.48	4.31	2.28	53.50
1904	4.01	2.65	4.13	4.38	2.68	3.41	7.35	2.52	3.60	4.00	4.06	4.83	47.62
1905	2.13	1.54	2.60	5.24	2.37	4.28	2.91	1.01	6.17	2.62	2.66	7.29	40.82
1906	2.00	2.90	4.08	2.76	2.93	5.41	3.20	5.88	3.72	7.79	2.93	2.76	46.36
1907	4.37	2.59	3.81	3.26	2.28	2.20	3.31	3.51	3.48	3.07	1.50	10.48	43.86
1908	5.89	5.78	5.07	2.98	5.01	3.34	2.40	4.33	1.72	4.91	6.47	1.52	49.42
1909	1.92	1.05	3.34	2.98	6.38	4.31	6.48	2.54	2.84	2.19	3.39	3.94	41.34
1910	1.75	2.04	3.64	5.77	3.98	1.46	3.61	1.75	2.69	1.82	4.39	3.19	35.88
1911	1.29	4.23	2.66	3.03	2.38	4.09	2.29	2.06	2.35	3.23	5.40	4.11	37.12
1912	5.53	4.60	3.17	2.34	2.67	6.31	5.28	5.76	.48	3.37	3.93	2.30	45.74
1913	2.01	5.03	5.12	3.21	3.22	5.94	4.72	4.67	1.98	2.31	2.51	7.32	48.04
1914	6.76	2.79	3.23	2.82	3.18	4.89	4.93	2.68	2.05	3.53	4.47	.20	41.53
1915	1.73	2.88	3.42	6.78	4.67	.09	1.32	2.00	1.95	10.11	5.39	1.37	41.71
1916	2.83	2.40	5.05	2.01	7.09	4.25	3.27	3.38	5.79	6.21	2.12	3.50	47.90
1917	1.91	3.52	3.23	3.68	4.39	4.73	1.81	4.60	4.54	1.57	6.56	1.36	41.90
1918	6.94	.84	2.75	3.49	3.64	3.45	3.17	2.17	4.79	5.10	2.26	8.96	47.54
1919	2.02	3.45	4.02	3.41	3.89	6.14	3.16	6.45	2.29	6.84	4.49	7.04	52.20
1920	2.70	6.80	2.30	3.28	4.91	5.08	6.50	4.38	6.66	4.55	1.54	7.78	56.28
1921	1.01	5.68	6.13	2.76	2.61	3.25	7.11	3.92	3.01	5.10	2.63	2.48	45.69
1922	2.06	8.22	2.68	1.34	2.64	6.45	2.16	5.17	9.64	5.13	5.34	3.63	54.46
1923	2.62	1.58	3.78	7.63	1.87	2.72	6.31	1.36	4.29	2.85	2.80	1.43	39.24
1924	5.78	5.30	4.85	4.00	2.69	2.52	5.80	3.76	1.51	3.21	4.59	5.50	49.51
1925	.12	3.20	1.84	2.92	2.35	5.60	3.16	2.23	4.04	5.43	1.57	2.72	35.18
1926	4.66	3.84	4.02	2.76	5.51	3.19	2.70	2.17	1.78	3.79	2.59	1.86	38.87
1927	4.55	5.89	2.79	2.87	3.54	1.51	2.64	3.63	2.57	5.02	8.00	3.27	46.48
1928	6.07	7.06	6.70	2.48	4.02	1.57	5.67	2.69	6.40	5.33	4.49	4.25	56.73
1929	2.11	2.51	1.96	4.48	3.82	2.99	6.75	5.48	2.93	.73	1.64	4.50	39.90
1930	3.44	3.37	3.02	1.95	1.93	3.37	1.66	3.25	4.58	4.22	1.34	1.86	33.99
1931	4.11	3.54	2.16	3.17	2.53	4.91	3.25	4.78	6.24	2.37	5.67	1.71	44.44
1932	2.42	1.26	3.45	4.94	2.03	5.06	1.90	1.58	2.58	2.92	5.26	7.67	41.07
1933	7.60	5.64	1.82	2.49	3.93	5.25	5.14	2.53	1.86	1.57	5.04	11.18	54.06
1934	3.05	1.70	3.49	4.10	2.93	3.81	4.26	5.52	6.00	4.18	2.96	9.73	51.73
1935	3.42	2.83	4.04	5.76	3.19	1.85	4.44	3.73	6.50	2.62	2.94	4.91	46.28
1936	.80	4.99	1.17	7.85	2.92	11.88	3.67	4.59	2.45	3.31	5.74	5.21	54.58
1937	3.36	1.51	7.46	5.89	2.08	3.78	6.14	4.61	4.31	2.18	4.49	4.40	50.22
1938	4.92	9.10	3.37	4.98	2.35	2.76	3.30	3.84	6.47	11.19	3.05	10.90	66.23
1939	2.94	3.52	3.72	2.59	4.30	4.47	3.88	1.92	5.54	.89	4.37	2.64	40.59
1940	4.82	1.01	3.76	3.16	4.81	4.60	6.86	5.46	2.43	4.05	1.63	1.79	44.38
1941	1.33	6.92	2.54	2.50	2.47	1.91	1.06	1.96	3.70	2.90	3.52	.70	31.51
1942	2.22	2.86	3.66	4.36	1.83	7.31	1.06	3.33	3.97	5.01	2.87	2.90	41.35
1943	3.81	5.30	4.04	3.09	1.64	3.55	3.99	5.20	5.32	5.15	1.60	.76	41.83
1944	5.26	5.26	.82	1.40	2.34	4.38	4.28	1.00	7.04	.55	1.19	5.54	39.16
1945	1.87	5.11	3.79	2.93	3.73	2.26	4.61	5.85	7.81	4.31	3.86	1.72	47.85

HYDROLOGY OF MASSACHUSETTS

HOLDEN, MASS. (Jefferson Station) ^{(b)(c)}
 Lat. 42°22'15", Long. 71°53'50". Elevation, 820 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1897	-	-	-	3.95	3.03	3.92	2.18	4.84	4.95	8.48	2.71	1.70	-
1898	1.00	8.03	6.87	6.74	3.33	2.59	4.10	3.32	3.38	3.00	11.89	3.15	57.40
1899	7.28	7.50	4.13	2.92	5.08	6.90	2.13	1.28	7.37	4.82	3.40	3.64	56.65
1900	2.84	1.93	2.12	4.39	8.60	6.35	3.12	4.62	3.98	3.53	2.79	2.77	47.04
1901	3.35	6.77	3.20	1.91	1.39	6.02	9.44	7.33	2.25	5.55	4.92	2.93	55.06
1902	3.96	2.32	9.35	2.96	5.01	5.36	4.01	1.60	2.44	3.96	5.50	4.18	50.65
1903	6.76	.95	7.21	2.84	4.20	6.85	2.95	1.27	9.01	3.07	3.89	3.24	52.24
1904	3.83	2.52	4.27	4.53	2.80	3.50	7.25	3.43	3.78	4.76	3.54	5.72	49.93
1905	1.92	1.58	2.98	5.93	1.73	4.27	2.39	.82	5.74	3.83	3.16	6.64	40.99
1906	1.93	2.87	4.09	2.86	2.81	5.42	3.56	7.18	95.95	95.52	4.55	2.94	49.68
1907	4.73	2.04	4.28	2.95	2.37	1.87	3.04	3.14	3.49	3.09	1.37	9.70	42.07
1908	6.51	6.02	4.82	3.80	5.13	3.10	3.14	5.52	1.41	4.10	6.49	1.21	51.25
1909	2.15	1.27	3.17	4.14	6.29	4.57	5.66	2.31	3.22	5.29	4.22	4.13	46.42
1910	2.03	1.89	4.41	6.99	5.58	1.23	3.09	1.89	3.86	1.18	3.98	2.78	38.89
1911	1.23	4.21	2.73	3.19	2.63	4.11	2.42	1.91	2.24	2.70	5.83	3.08	36.28
1912	5.79	4.11	3.06	2.72	2.52	5.66	4.37	5.14	.52	2.77	2.48	2.49	41.63
1913	2.18	4.19	5.24	3.52	2.60	6.28	3.86	4.09	1.27	3.87	3.26	5.93	46.19
1914	6.42	2.64	2.13	3.61	4.05	4.75	5.26	3.50	2.20	4.02	5.30	.19	45.17
1915	1.93	3.46	4.03	7.85	3.88	.08	2.09	1.84	3.50	7.92	7.21	1.50	45.27
1916	3.20	3.39	6.59	1.77	6.43	3.99	3.78	4.24	6.61	6.53	1.78	4.31	52.82
1917	1.53	3.43	3.07	3.72	3.91	4.67	1.87	3.75	4.86	1.18	5.29	1.29	38.57
1918	6.37	1.39	2.64	3.25	5.27	3.07	3.58	.86	4.73	2.67	3.05	6.61	42.49
1919	2.05	3.47	4.08	3.65	4.49	5.08	2.60	3.21	3.40	8.44	4.25	8.32	53.94
1920	2.30	6.28	2.06	3.67	7.33	5.10	6.52	3.54	6.61	4.84	2.56	8.32	57.13
1921	.70	5.58	6.32	2.56	4.38	3.29	7.20	3.94	4.02	5.39	2.17	2.37	47.72
1922	2.20	6.97	3.19	2.41	4.58	6.72	2.51	4.67	9.28	4.98	6.27	2.01	55.89
1923	2.32	1.56	4.27	9.46	2.43	3.72	5.38	1.52	3.52	3.66	2.35	1.11	41.41
1924	5.19	5.79	5.09	4.40	3.41	2.85	6.93	1.73	1.40	3.09	4.72	5.13	51.75
1925	.06	3.71	2.12	3.40	2.38	5.92	3.11	1.84	4.01	4.83	1.66	5.21	38.25
1926	4.82	3.41	4.46	2.63	6.76	3.01	2.93	1.98	2.25	2.85	3.66	1.66	40.40
1927	4.74	6.58	4.63	3.99	4.75	2.21	2.39	3.18	2.86	7.67	10.75	3.15	56.70
1928	5.16	7.12	6.49	3.38	4.51	2.31	5.76	2.54	6.87	4.83	5.57	4.00	58.54
1929	2.37	2.12	2.08	4.90	4.41	3.38	5.79	4.62	3.73	.72	1.62	2.31	38.05
1930	3.29	3.20	3.28	2.12	2.58	3.73	2.09	2.33	3.54	5.93	1.78	2.58	37.05
1931	3.80	3.97	2.34	3.42	3.28	4.82	3.07	5.24	6.75	2.86	7.62	2.63	49.80
1932	2.31	1.54	3.76	6.31	3.24	6.05	1.92	1.88	2.21	3.49	4.76	7.74	43.97
1933	7.46	4.82	2.26	2.90	5.60	6.23	7.76	3.07	1.82	1.90	5.45	10.76	60.03
1934	3.60	1.81	3.83	3.72	4.37	4.39	4.45	4.16	5.54	2.51	2.42	9.93	50.73
1935	3.08	3.17	4.36	6.90	3.80	2.42	4.26	2.72	5.63	2.95	1.84	4.69	45.82
1936	.74	4.77	1.22	7.67	3.10	12.05	3.76	4.30	2.33	2.57	5.73	5.30	53.54
1937	4.08	1.72	8.41	6.22	2.29	4.22	5.35	4.43	4.42	1.67	4.98	4.49	52.28
1938	4.72	8.54	3.54	5.10	2.79	3.22	3.36	3.86	8.01	8.13	4.86	12.54	68.67
1939	2.33	4.20	3.64	2.90	4.32	5.61	4.70	1.63	3.41	1.94	4.62	2.98	42.28
1940	4.77	1.12	3.74	3.51	5.63	4.84	6.57	5.31	2.07	4.86	1.51	2.58	46.51
1941	1.23	7.44	2.87	4.44	2.76	3.16	.89	2.04	3.23	3.71	3.23	.72	35.72
1942	2.29	3.13	3.86	4.98	3.22	3.52	1.70	4.63	2.02	5.19	2.14	2.68	47.36
1943	3.43	5.54	6.81	4.41	2.17	4.11	4.26	6.19	2.07	4.03	2.06	.83	46.01
1944	5.84	5.57	.76	2.29	2.74	4.41	3.45	.95	4.74	2.89	.87	8.15	42.66
1945	2.27	4.81	4.20	5.20	4.32	2.27	4.66	5.48	5.75	5.77	3.35	2.84	50.92

HOLDEN, MASS. (Kendall Reservoir, Worcester Water Works) ^(a)
 Lat. 42°20'00", Long. 71°53'55". Elevation, 1,100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	2.95	2.98	2.41	5.75	4.50	4.19	0.94	2.23	2.11	5.53	-
1914	6.67	2.60	3.23	2.50	3.36	4.67	4.75	3.22	1.97	3.52	4.29	.15	40.93
1915	1.59	3.21	3.00	6.82	4.40	.09	1.49	1.75	1.70	8.71	5.92	1.58	40.26
1916	3.09	2.53	5.70	1.82	5.89	4.11	2.89	3.91	6.07	6.48	1.85	3.64	47.98
1917	1.62	2.56	3.04	3.18	4.02	4.67	1.63	3.17	4.35	1.17	6.92	1.18	38.05
1918	7.94	.78	3.02	1.98	1.93	2.46	3.49	.96	4.83	4.08	2.97	8.07	42.21
1919	2.19	3.62	3.26	3.83	3.69	6.27	3.81	6.68	2.03	5.65	4.28	8.54	52.85
1920	2.72	7.10	2.48	3.37	5.78	4.97	6.17	4.31	5.47	4.54	1.97	8.54	57.42
1921	.82	4.71	5.50	2.36	4.08	3.55	6.94	4.31	3.20	6.38	2.47	2.56	46.88
1922	2.21	8.82	2.71	1.23	3.12	5.92	2.10	5.10	9.84	5.28	8.63	2.76	57.72
1923	3.02	1.40	3.58	8.64	2.08	3.21	5.30	1.80	4.56	3.02	2.46	1.23	39.80
1924	5.78	5.85	4.81	4.30	2.12	2.87	6.70	3.57	1.16	2.42	5.32	6.74	51.64
1925	.08	3.94	1.98	2.51	2.33	5.70	3.61	2.38	4.46	4.23	1.63	3.84	36.89
1926	4.33	5.05	3.72	2.63	6.21	2.88	2.72	2.03	1.88	3.42	3.34	1.91	40.62
1927	5.22	5.35	2.97	3.27	3.42	1.67	2.82	3.60	3.27	5.81	8.20	2.90	48.50
1928	6.26	7.72	6.26	2.80	4.31	1.96	4.69	2.37	7.00	4.85	5.59	4.58	58.39
1929	2.52	2.50	2.01	4.71	4.23	3.16	5.79	5.98	3.29	1.04	2.06	3.21	40.50
1930	3.60	3.35	3.01	1.91	2.09	3.37	1.84	3.54	4.37	4.35	1.79	2.37	35.79
1931	4.09	4.16	2.32	2.88	2.73	4.57	2.92	5.56	6.90	3.02	8.38	2.27	49.80
1932	2.85	1.39	3.64	5.07	1.93	4.89	1.89	2.05	3.05	3.27	4.79	7.80	42.62
1933	7.90	5.55	1.91	2.35	3.92	5.17	4.81	2.28	2.69	1.44	4.70	10.63	53.35
1934	3.47	1.55	3.04	3.82	2.45	3.53	4.21	4.58	5.77	2.90	2.14	10.01	47.55
1935	2.94	2.74	4.17	4.89	3.11	1.95	2.69	2.46	6.02	2.63	1.83	4.27	39.68
1936	.90	4.28	1.24	6.86	2.45	11.81	3.56	4.68	2.54	2.65	5.23	4.66	50.96
1937	3.91	1.36	7.79	5.23	2.01	3.08	4.76	4.45	5.29	2.68	5.65	3.33	49.55
1938	5.25	8.67	2.97	4.49	2.16	2.68	2.99	3.64	8.08	9.95	3.58	11.80	66.26
1939	2.60	3.29	3.18	2.26	3.85	3.59	4.05	1.46	4.09	1.72	4.21	3.28	37.58
1940	4.47	1.06	3.62	3.10	3.19	4.37	6.02	5.40	2.12	4.30	1.42	2.01	41.08

PRECIPITATION RECORDS

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HOLDEN, MASS. (Kendall Reservoir, Worcester Water Works) (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1941	1.30	7.39	2.50	2.20	2.47	1.27	1.07	2.14	3.28	3.27	3.10	.80	30.79
1942	2.42	2.62	3.57	4.23	2.13	6.42	1.18	3.73	4.35	4.86	2.54	2.53	41.04
1943	4.07	5.23	5.55	2.62	1.65	3.17	3.66	5.87	2.37	4.45	1.10	1.75	40.29
1944	5.56	5.34	.73	1.40	2.12	4.08	4.16	1.26	6.75	.92	.96	6.92	40.20
1945	2.15	4.75	3.46	2.82	3.85	2.23	4.81	5.28	7.50	5.00	3.72	2.42	47.79

HUBBARDSTON, MASS. (a)
Lat. 42°28'40", Long. 72°00'30". Elevation, 1,030 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1919	-	-	-	-	-	-	-	-	-	-	3.71	6.84	-
1920	2.64	6.14	1.72	1.75	4.83	4.57	5.87	3.94	5.25	2.98	2.07	7.49	49.45
1921	1.30	4.32	4.96	1.60	1.81	2.95	7.62	2.30	3.53	6.22	2.40	2.64	41.85
1922	2.90	5.54	2.91	1.49	2.50	5.09	2.17	4.52	9.50	5.10	5.01	2.95	49.66
1923	2.47	1.47	3.69	65.97	61.97	2.55	5.67	1.61	3.04	2.67	2.20	2.58	56.89
1924	5.13	5.60	3.99	3.19	2.26	1.40	6.65	3.54	1.25	2.98	4.45	5.00	45.45
1925	.13	3.41	2.16	2.27	2.72	5.41	2.72	2.62	4.09	5.15	2.29	5.38	38.57
1926	4.90	3.99	3.10	2.54	3.08	3.06	2.35	1.72	3.27	3.21	2.64	1.22	35.06
1927	5.71	5.84	2.83	2.29	3.43	1.73	2.39	4.12	2.51	7.74	6.84	3.27	48.70
1928	4.63	7.44	5.77	2.45	2.94	1.72	4.62	2.84	7.17	6.25	6.08	3.30	55.41
1929	1.53	2.20	1.46	4.56	2.72	3.34	5.71	4.64	3.16	1.07	1.83	2.20	34.42
1930	2.15	2.91	2.65	1.80	1.66	3.43	1.67	3.01	3.90	6.68	1.85	2.44	34.57
1931	2.75	3.01	1.23	2.33	2.09	7.16	2.66	5.10	4.50	3.90	6.90	2.48	43.81
1932	3.45	1.74	3.42	4.46	1.67	1.88	1.48	1.71	5.57	4.14	6.63	41.60	48.63
1933	7.73	4.40	1.79	2.55	3.62	5.03	4.56	5.04	2.12	3.56	4.60	10.96	52.66
1934	4.91	1.62	2.65	3.37	2.36	2.95	3.59	4.04	6.14	4.42	2.37	9.15	47.57
1935	3.00	3.94	3.08	4.15	2.54	1.65	2.54	3.16	6.67	3.62	1.09	4.58	40.42
1936	1.33	4.68	1.02	6.17	2.36	8.89	3.59	3.05	4.07	2.11	5.88	5.83	48.96
1937	3.28	1.66	6.83	5.05	2.03	2.56	4.45	4.29	5.57	1.90	6.43	4.49	48.74
1938	3.76	6.18	2.53	3.56	1.80	2.45	3.28	4.56	6.67	6.00	2.58	18.26	65.25
1939	2.36	3.09	2.91	2.31	3.16	3.45	3.65	2.96	4.29	1.29	3.00	1.71	34.36
1940	4.75	.95	3.16	1.98	2.69	3.89	5.63	5.57	2.15	4.99	1.68	1.91	39.60
1941	1.06	7.11	2.86	1.78	2.02	1.32	1.01	3.48	3.25	4.31	3.01	.94	32.15
1942	2.60	3.01	2.65	3.04	1.73	6.64	1.01	3.30	4.52	6.36	1.45	2.75	39.06
1943	3.52	4.35	3.50	2.59	1.36	2.46	3.54	4.77	1.80	4.62	3.58	1.20	37.09
1944	5.01	5.59	.76	1.16	1.85	4.03	3.63	1.44	11.82	2.46	1.12	7.43	46.30
1945	1.58	2.73	3.01	2.29	3.93	1.44	4.69	4.86	6.18	6.18	3.76	1.41	42.06

HUBBARDSTON, MASS. (Williamsville) (a)
Lat. 42°28'30", Long. 72°04'40". Elevation, 830 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1924	-	66.38	4.98	4.25	2.26	2.95	6.44	3.62	1.25	2.73	4.29	5.00	-
1925	0.07	3.59	2.10	3.15	2.49	4.88	3.31	2.62	3.90	5.40	1.98	5.50	38.99
1926	4.64	3.14	3.04	2.59	4.14	3.34	2.25	1.55	3.13	2.80	2.86	1.28	34.76
1927	5.28	1.36	3.44	2.36	3.66	1.27	1.77	1.19	3.12	6.65	5.90	3.04	46.94
1928	4.53	6.35	5.95	2.67	2.98	2.07	4.10	2.06	7.00	5.46	5.63	2.95	51.75
1929	1.53	1.65	1.54	4.31	3.13	3.50	5.63	4.92	2.91	1.30	1.85	2.45	34.92
1930	2.06	2.95	2.65	2.02	1.95	2.49	1.29	2.81	3.94	6.70	1.44	2.25	32.55
1931	2.76	2.90	1.84	2.59	2.10	4.32	2.73	5.31	3.97	3.51	7.01	2.54	41.58
1932	3.52	1.59	3.81	5.43	2.52	5.71	1.84	1.67	1.25	4.68	4.61	6.27	42.90
1933	5.91	4.00	2.06	2.54	4.18	5.02	6.39	2.18	1.96	2.80	4.02	11.38	52.44
1934	5.33	1.38	3.56	3.34	3.24	3.40	3.83	4.43	5.50	4.40	2.63	8.63	49.47
1935	3.34	4.32	3.40	5.31	2.71	2.74	3.45	3.02	6.06	2.92	1.07	4.63	42.97
1936	1.41	3.47	.87	5.67	2.53	7.16	4.47	3.76	3.86	2.09	6.03	5.38	46.70
1937	3.00	1.76	7.21	5.57	2.24	3.09	4.94	4.60	5.45	2.70	5.79	5.47	51.82
1938	4.73	6.05	2.78	4.47	2.12	2.51	2.87	3.79	8.33	9.45	3.74	15.15	65.99
1939	2.68	4.25	3.50	2.31	3.52	4.13	4.02	3.29	2.98	1.34	3.43	2.19	38.44
1940	4.39	.90	3.46	2.39	3.62	4.19	6.94	5.66	2.47	4.45	2.13	2.36	43.16
1941	1.10	6.65	2.10	2.29	1.60	1.82	.90	3.69	3.65	4.46	2.92	1.29	32.47
1942	2.70	3.36	2.71	3.71	2.06	6.72	.94	3.25	5.63	6.42	1.95	3.11	42.57
1943	4.90	4.67	4.80	3.28	1.68	2.69	3.59	5.65	2.24	4.63	3.70	1.12	42.15
1944	5.23	6.38	.61	1.11	2.30	4.53	4.15	1.45	9.08	2.59	.79	7.49	45.73
1945	1.74	3.43	3.16	3.26	4.40	1.72	5.38	3.97	6.82	6.79	4.64	1.24	48.25

HUNTINGTON, MASS. (Knightville) (a)
Lat. 42°16'50", Long. 72°51'50".
(Prior to Jan. 1942, Lat. 42°17'45", Long. 72°51'30". Elevation, 640 feet.)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	2.22	6.43	1.91	2.09	3.36	4.19	4.74	2.32	5.86	2.30	6.32	7.67	49.41
1921	1.22	5.83	5.04	2.06	3.14	3.70	5.16	1.71	2.82	4.57	3.37	2.25	40.67
1922	1.81	6.23	1.82	1.79	2.72	7.40	1.96	5.99	6.93	4.87	5.58	2.30	49.40
1923	3.25	1.23	3.43	5.77	1.89	2.21	3.08	2.69	3.11	3.09	2.88	2.82	55.45
1924	6.78	4.25	4.35	4.00	2.62	.97	7.89	2.83	1.43	2.25	2.33	9.06	48.76
1925	.06	3.90	2.24	3.15	3.37	4.22	3.53	2.64	3.95	6.64	2.14	2.09	58.13
1926	3.04	4.38	2.36	2.52	3.64	3.22	2.39	1.65	2.82	4.49	4.96	1.52	37.19
1927	4.45	5.10	2.62	2.01	4.17	1.96	1.87	4.58	4.05	4.84	5.72	3.11	44.48
1928	7.38	9.47	5.40	2.42	2.62	2.07	5.84	3.37	7.97	5.33	8.37	3.83	64.07
1929	.57	1.58	.65	4.18	3.53	3.32	8.15	4.58	2.90	1.16	1.78	2.36	34.98
1930	4.12	3.08	4.03	2.06	1.27	3.89	2.58	4.63	4.74	3.55	1.92	2.81	38.68

HYDROLOGY OF MASSACHUSETTS

HUNTINGTON, MASS. (Knightville) (a)—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	2.18	4.25	1.40	3.32	1.98	4.58	2.88	8.77	4.64	4.73	4.38	2.16	45.27
1932	2.84	1.65	2.84	4.85	1.82	4.15	2.19	1.87	2.76	4.97	3.18	2.98	36.10
1933	6.74	8.69	1.70	2.36	2.70	5.36	4.95	1.41	3.02	2.17	8.92	9.89	57.91
1934	3.46	1.23	3.21	3.54	2.61	4.04	4.66	3.34	5.75	1.42	3.57	9.23	46.06
1935	2.63	4.11	3.41	4.25	2.46	1.81	2.49	2.86	5.25	3.43	.69	4.84	38.23
1936	.88	4.53	1.23	5.21	2.43	9.97	3.01	2.39	2.01	2.12	4.77	4.24	42.79
1937	3.51	1.71	6.31	5.45	3.59	3.38	4.26	6.88	3.55	5.97	5.16	5.02	57.79
1938	6.11	6.31	3.01	4.78	1.55	2.07	2.51	4.37	9.22	7.94	3.50	12.66	64.03
1939	2.35	2.81	3.71	2.35	3.54	3.55	5.03	9.1	4.35	1.57	3.71	3.65	37.73
1940	4.27	1.68	2.50	2.41	3.44	5.30	5.48	6.39	2.83	2.37	2.16	2.26	41.11
1941	1.55	6.14	2.48	2.59	2.76	1.70	.93	1.17	5.23	5.17	4.52	1.01	35.25
1942	2.41	3.69	4.93	3.68	2.29	6.45	1.21	4.96	3.62	5.42	2.25	5.68	46.59
1943	4.79	6.36	5.87	3.18	1.42	3.49	2.85	6.91	2.98	7.32	2.32	2.43	49.92
1944	6.87	5.65	.45	1.81	1.39	3.32	4.35	1.50	5.95	3.60	1.14	6.21	41.94
1945	2.08	5.53	3.78	3.70	3.87	2.01	5.48	7.86	6.80	7.78	3.25	5.31	57.25

HUNTINGTON, MASS. (Knightville Dam) (b)

Lat. 42°17', Long. 72°52'. Elevation, 620 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	-	-	-	-	-	-	1.74	1.57	1.93	-
1941	1.19	6.02	2.61	2.94	2.76	2.18	0.82	2.04	4.29	4.89	2.45	2.07	34.26
1942	2.12	3.83	4.23	3.35	2.48	7.61	1.60	4.60	4.60	3.63	5.06	1.93	45.04
1943	4.96	2.81	6.96	3.55	1.70	3.68	3.67	5.40	2.66	7.33	2.27	2.27	46.96
1944	6.32	4.70	.65	1.63	2.17	4.67	3.71	1.45	4.98	3.27	1.15	5.58	40.28
1945	1.61	5.23	3.49	3.35	3.46	1.96	4.89	6.73	5.48	7.27	2.71	4.65	50.83

IPSWICH, MASS. (Willowdale) (a)

Lat. 42°39'30", Long. 70°53'05". Elevation, 30 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1911	-	-	-	-	-	-	-	0.26	3.26	7.08	4.49	2.17	-
1912	3.20	4.08	3.65	4.11	2.54	4.64	3.69	4.88	.86	5.37	2.05	2.46	38.70
1913	1.77	3.00	4.92	3.09	2.90	4.14	4.04	3.03	2.60	1.43	3.09	2.85	36.86
1914	7.47	1.95	3.66	3.69	4.04	4.63	6.99	2.94	1.45	3.00	2.29	.31	42.42
1915	1.56	3.12	3.53	5.73	3.46	.15	2.84	1.36	2.44	9.88	5.66	.80	40.53
1916	3.08	2.54	4.68	1.58	5.23	4.12	5.73	3.77	5.96	4.52	3.24	2.40	46.65
1917	1.05	2.56	3.11	3.52	2.41	4.15	2.96	3.82	5.53	2.58	3.11	1.80	36.85
1918	5.09	1.69	2.70	3.39	3.13	1.95	4.42	.85	2.87	4.05	3.16	7.46	40.76
1919	1.13	2.47	3.61	3.92	3.40	4.54	2.57	5.48	1.22	3.00	4.78	5.72	41.84
1920	2.72	6.19	1.67	3.31	10.95	3.87	5.95	4.13	5.50	1.16	2.49	4.89	52.85
1921	1.00	6.59	4.12	2.13	3.44	2.39	3.94	2.61	4.27	7.45	2.29	2.10	42.33
1922	1.49	7.62	2.75	1.92	3.49	5.50	1.49	6.16	10.52	5.10	3.20	3.10	52.54
1923	2.33	1.10	2.87	3.85	2.64	4.12	5.33	2.32	2.35	2.00	1.64	.44	35.99
1924	4.48	3.89	5.36	4.29	2.74	2.24	4.52	3.79	2.31	1.91	6.01	7.64	49.18
1925	.10	3.14	1.57	5.16	2.48	7.16	2.65	2.18	4.00	3.45	1.92	2.70	36.51
1926	4.85	3.83	7.27	3.12	5.61	3.15	2.23	2.60	1.76	2.28	4.05	1.28	42.03
1927	4.41	4.18	3.73	3.02	4.11	1.22	1.22	2.67	1.84	2.65	6.47	4.18	39.70
1928	3.89	5.28	5.21	2.18	3.59	1.64	5.28	3.40	5.35	4.89	4.57	5.37	50.85
1929	2.95	2.26	3.12	3.63	4.39	3.64	7.48	3.36	1.71	1.10	1.84	2.71	38.19
1930	5.06	2.90	4.71	2.62	2.40	4.03	1.80	3.86	3.07	4.25	2.81	.91	36.42
1931	5.39	4.88	2.54	3.85	3.13	4.66	3.49	4.43	7.51	2.85	4.46	2.23	49.42
1932	2.98	1.14	3.42	4.98	2.42	5.38	1.89	1.07	2.01	1.66	5.43	6.00	38.38
1933	7.10	4.74	1.68	2.66	3.80	7.51	7.66	2.92	1.51	3.39	2.78	10.00	55.75
1934	3.98	1.33	4.44	4.32	5.36	5.86	2.57	2.36	3.71	1.55	1.43	7.58	43.49
1935	3.48	2.90	2.65	7.90	3.69	1.81	4.63	1.52	7.17	2.59	.91	4.32	43.57
1936	.59	5.57	1.46	8.67	3.98	6.96	3.60	1.85	3.32	1.79	3.15	4.86	45.80
1937	1.59	1.14	8.69	4.85	1.37	3.83	5.19	2.75	4.80	1.18	3.56	6.21	44.66
1938	5.28	5.66	4.52	4.45	2.94	2.57	3.10	3.77	6.25	11.73	2.04	8.70	61.03
1939	2.20	3.01	3.46	2.58	3.96	5.13	4.26	2.38	3.52	.56	2.85	1.85	35.81
1940	4.48	.93	3.35	2.51	5.31	4.66	5.38	3.81	3.56	2.66	2.10	3.11	41.76
1941	.89	6.85	2.87	3.75	2.07	3.06	1.87	3.33	1.85	4.27	2.65	.48	33.94
1942	2.29	2.38	4.57	4.39	4.14	7.26	1.87	2.46	4.39	6.53	2.18	2.32	44.88
1943	3.02	5.05	5.00	3.57	1.48	3.86	3.19	4.93	1.67	4.69	1.76	1.41	39.63
1944	5.60	4.19	.91	3.02	2.49	4.08	3.63	1.13	5.20	3.26	1.16	6.56	41.23
1945	2.09	6.30	3.96	3.77	5.69	1.87	3.16	5.17	7.11	5.14	2.67	1.54	48.47

LAKEVILLE, MASS. (Assawampsett Pond, Taunton Water Works) (a)

Lat. 41°50'22", Long. 70°56'45". Elevation, 60 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1894	-	-	-	3.61	2.58	1.35	3.66	4.31	0.99	1.37	1.22	3.26	-
1895	7.16	4.29	4.76	3.56	.71	3.46	4.97	3.33	2.60	2.58	3.28	1.84	42.54
1896	4.53	6.67	3.08	2.08	4.02	5.98	1.05	2.96	3.95	2.22	4.43	8.77	49.74
1897	4.42	3.67	2.37	4.09	2.22	2.61	4.18	3.94	2.61	4.56	3.50	1.58	39.75
1898	1.05	7.66	3.74	4.10	6.38	2.68	5.44	5.25	1.34	5.15	6.67	2.30	51.76
1899	9.39	6.29	2.21	5.24	4.26	6.91	2.19	1.90	3.63	2.90	2.23	7.46	54.61
1900	2.06	2.23	1.47	5.17	7.56	5.42	2.16	6.87	2.67	3.06	2.43	5.08	46.18

PRECIPITATION RECORDS

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LAKEVILLE, MASS. (Assawompsett Pond, Taunton Water Works)^(a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1901	3.97	4.97	2.19	2.63	.87	7.49	6.49	8.15	1.81	2.99	2.68	3.18	47.42
1902	3.19	2.18	9.08	2.31	4.58	7.29	2.17	2.98	4.96	2.00	1.61	3.07	45.42
1903	5.38	1.44	6.59	4.56	4.16	9.16	5.70	.80	4.30	2.82	3.93	1.05	49.89
1904	5.05	2.01	4.10	4.66	4.16	2.61	9.68	2.59	4.07	2.92	3.61	4.03	49.29
1905	2.01	2.41	3.28	3.70	1.94	2.28	2.26	1.59	7.60	4.86	2.68	5.27	39.68
1906	2.13	2.33	4.19	3.25	4.49	6.11	2.68	4.30	3.30	5.49	1.43	3.27	42.97
1907	3.22	3.10	2.81	4.45	2.28	1.28	3.85	3.87	2.29	1.35	1.55	9.76	39.81
1908	3.21	5.85	5.94	3.74	4.53	3.60	1.69	3.81	2.07	3.18	4.79	1.11	43.52
1909	6.67	1.14	4.21	4.48	6.48	4.17	6.06	3.06	1.54	1.18	2.39	4.60	46.08
1910	1.84	4.07	3.49	5.42	4.20	1.81	2.01	2.84	5.21	3.41	1.96	1.99	39.25
1911	1.98	4.72	2.94	3.49	2.46	4.24	3.59	1.89	1.86	5.33	3.60	2.73	39.83
1912	2.41	7.41	4.16	4.20	3.44	8.55	3.41	4.53	2.28	2.17	3.49	1.13	45.18
1913	1.40	4.71	5.52	4.50	4.08	3.29	5.53	1.85	1.58	1.89	2.96	2.48	39.79
1914	12.56	3.08	4.08	2.71	3.69	3.96	3.85	2.41	1.00	3.67	2.61	1.40	45.02
1915	2.39	3.55	5.26	9.35	4.40	.03	1.81	2.42	1.57	3.09	5.40	1.44	40.51
1916	3.71	1.89	5.16	1.88	4.31	3.09	4.35	4.78	4.58	9.06	.71	1.43	44.95
1917	2.81	1.95	4.61	3.10	2.64	6.03	3.17	5.44	5.25	1.97	3.01	2.73	42.71
1918	4.84	.51	2.41	3.37	3.11	2.22	4.97	1.42	3.59	3.44	2.45	3.80	35.93
1919	.58	2.65	3.71	5.02	4.03	5.05	4.41	5.63	1.86	4.94	7.55	7.75	53.16
1920	2.13	4.61	3.08	3.20	7.96	5.03	5.42	5.14	7.93	2.26	2.58	3.84	53.28
1921	1.94	3.89	3.98	3.33	1.92	3.76	6.49	3.27	1.87	10.76	2.47	1.75	45.43
1922	1.09	8.18	2.59	2.29	3.58	5.31	3.24	4.33	7.52	5.88	11.70	2.04	57.75
1923	3.48	1.43	4.30	7.24	2.20	4.95	5.42	1.31	3.00	2.21	2.83	2.34	40.81
1924	4.16	2.18	5.53	4.67	3.33	4.00	4.84	5.59	1.93	1.38	7.79	4.03	47.45
1925	.25	1.64	2.23	3.85	1.97	3.83	2.59	2.84	3.33	3.65	2.55	5.06	33.79
1926	4.18	4.20	4.11	2.87	5.25	3.39	2.31	2.98	4.04	3.32	2.76	1.36	40.77
1927	6.61	4.85	3.11	3.23	1.92	1.62	1.72	2.26	2.94	4.12	11.48	2.69	46.59
1928	3.54	5.17	4.61	3.28	4.00	3.06	4.25	1.75	4.46	4.78	1.83	4.61	45.61
1929	2.84	2.70	3.72	4.03	4.01	4.74	7.74	3.15	.38	4.57	3.85	5.48	47.21
1930	2.94	3.48	6.71	3.42	3.90	2.98	1.60	3.29	3.65	2.83	2.83	.27	37.50
1931	4.53	3.43	3.74	3.55	2.73	6.97	2.91	4.78	6.41	3.81	7.38	1.75	51.99
1932	3.50	.95	3.54	6.67	2.54	5.54	1.36	2.77	2.17	2.79	4.83	5.94	42.40
1933	5.30	7.12	2.41	2.93	4.07	6.72	8.52	1.63	2.21	2.03	2.55	13.36	58.85
1934	3.41	2.21	3.44	3.61	3.51	3.79	4.01	3.04	5.32	2.12	2.48	3.63	40.57
1935	3.70	3.27	3.42	6.15	3.27	1.97	5.67	1.78	4.27	4.41	1.77	3.89	43.57
1936	1.67	7.15	1.46	8.05	2.69	7.06	3.71	1.15	3.67	2.04	5.96	7.33	51.84
1937	2.93	1.40	11.29	5.15	1.48	3.87	5.30	2.58	3.92	.46	4.21	3.62	46.21
1938	4.08	5.39	4.80	4.04	2.63	2.51	2.72	3.48	8.31	5.46	2.04	5.95	51.41
1939	3.34	3.26	3.79	3.18	4.65	5.90	5.48	1.12	3.33	1.58	4.92	2.92	43.46
1940	4.90	1.51	1.54	2.99	6.19	4.26	7.88	4.54	2.09	5.05	.90	4.46	46.31
1941	1.89	7.72	2.39	3.45	1.99	2.21	2.19	2.77	5.53	4.32	3.68	.16	38.30
1942	2.67	2.21	3.66	4.24	3.00	7.97	1.30	1.81	3.03	3.42	5.48	2.30	41.29
1943	4.29	5.87	4.08	3.68	1.78	3.29	4.10	4.60	1.41	3.81	2.40	1.64	40.95
1944	4.13	2.83	1.29	2.34	1.94	4.86	4.12	4.44	3.14	1.27	.90	6.89	34.15
1945	2.04	8.45	3.69	4.05	3.64	2.19	2.58	4.99	3.75	1.84	2.38	1.55	41.15

LAWRENCE, MASS. (Essex Co.)^(b)

Lat. 42°42'10", Long. 71°10'05". Elevation, 51 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1856	-	-	-	2.15	2.13	1.03	3.78	6.24	2.73	2.40	18.12	6.53	
1857	4.30	4.33	4.96	6.52	2.07	3.49	9.85	4.82	2.86	4.88	6.29	2.65	57.01
1858	5.98	2.35	4.94	2.79	1.80	2.47	3.09	3.39	4.90	3.99	4.86	4.05	44.51
1859	3.30	1.70	5.02	6.09	5.35	3.43	3.16	3.21	4.56	1.43	3.68	3.66	44.59
1860	2.11	3.21	7.61	1.12	2.58	1.06	.76	2.02	3.77	5.51	3.71	6.74	40.20
1861	2.13	2.81	2.60	5.08	62.71	64.62	1.95	5.54	61.89	4.97	2.34	62.07	38.71
1862	3.07	3.86	1.58	5.43	2.20	3.85	61.98	61.94	3.21	4.61	2.74	2.40	36.77
1863	63.72	5.36	1.20	3.99	2.52	4.82	5.15	2.29	2.23	9.24	6.19	2.82	49.52
1864	1.65	7.45	7.07	2.55	.98	6.99	6.43	2.27	1.58	1.34	3.70	1.73	42.54
1865	3.86	3.88	3.96	3.80	63.51	64.26	62.02	66.01	62.20	.70	2.46	.68	37.24
1866	3.41	.92	2.84	.75	4.43	3.70	.85	4.65	2.71	4.67	2.41	4.76	36.10
1867	1.79	4.13	3.16	3.96	4.19	4.13	2.81	3.46	3.56	7.40	9.56	.82	48.97
1868	4.79	3.73	3.45	3.08	1.46	63.19	5.08	9.22	2.67	1.41	4.45	13.42	55.93
1869	1.66	6.69	.68	2.81	2.51	7.43	1.80	5.09	5.17	2.92	2.11	5.71	44.58
1870	8.21	2.34	4.21	6.98	5.36	5.72	7.44	1.49	3.49	1.55	3.64	62.27	52.70
1871	4.35	3.62	3.03	2.91	1.65	4.02	2.78	3.73	5.21	3.35	5.39	1.18	41.22
1872	4.92	4.14	3.00	1.13	.25	2.94	2.47	3.76	5.39	5.47	9.51	4.59	46.31
1873	3.30	1.39	3.93	4.46	1.97	2.45	2.52	3.11	1.00	5.17	3.84	3.41	36.55
1874	5.63	3.96	1.89	3.29	2.81	1.37	6.43	4.51	3.24	4.61	9.21	1.36	49.41
1875	1.50	1.82	2.67	3.83	3.03	5.29	2.58	3.12	4.69	2.36	4.06	3.13	38.08
1876	4.65	5.16	1.07	2.01	4.15	7.11	3.52	4.87	2.14	5.67	.30	4.22	44.87
1877	3.02	4.71	2.24	2.72	1.00	6.86	3.15	2.84	1.55	3.25	7.00	.25	38.59
1878	6.36	6.82	1.70	5.27	4.78	3.38	6.19	.39	3.92	2.59	4.81	1.61	47.82
1879	4.84	5.80	4.77	2.21	2.86	3.17	4.07	2.08	4.70	4.83	5.94	1.92	46.89
1880	1.23	3.06	3.62	4.89	3.21	3.23	2.23	1.77	3.58	5.56	2.51	1.45	36.14
1881	2.49	1.98	2.69	7.20	6.33	7.78	3.12	64.03	64.97	62.81	61.84	63.01	48.14
1882	62.10	64.36	64.01	4.58	5.10	3.11	1.77	5.11	3.18	1.70	9.31	7.85	43.80
1883	2.39	1.27	2.42	3.16	3.63	2.03	2.29	4.92	2.47	4.06	1.21	1.67	31.52
1884	5.58	1.86	3.21	4.88	5.64	4.84	3.94	4.06	3.53	3.59	4.11	1.12	46.16
1885	2.18	2.46	5.23	4.56	3.77	1.87	3.91	4.10	3.57	2.43	6.43	1.72	42.23

LAWRENCE, MASS. (Essex Co.)^(b)—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	4.67	5.34	2.75	6.03	6.19	3.03	1.59	3.66	1.95	3.58	2.80	4.06	45.65
1887	2.40	4.91	4.02	5.75	4.82	4.46	3.84	1.72	2.23	3.87	10.28	8.26	51.81
1888	2.93	3.25	4.04	4.45	4.04	4.94	3.44	4.24	2.49	2.82	4.24	7.74	48.62
1889	5.92	6.16	4.77	5.21	1.65	2.06	4.12	4.33	3.43	7.04	3.00	3.32	51.01
1890	4.21	6.48	3.22	2.58	3.50	6.51	1.80	5.54	3.71	2.62	5.03	4.15	49.33
1891	8.68	1.63	4.96	6.11	4.54	5.10	3.28	2.48	3.30	3.20	2.01	1.47	46.76
1892	2.96	2.29	3.20	4.45	2.18	2.74	.60	5.83	3.87	1.24	3.47	2.37	35.20
1893	1.45	5.74	1.04	2.01	5.24	2.19	2.84	5.55	2.74	3.48	4.59	1.81	38.79
1894	3.76	1.82	5.84	3.00	3.10	1.14	2.02	4.00	.54	4.01	.83	2.80	32.86
1895	3.79	2.73	3.15	2.26	.99	2.77	4.94	1.55	2.93	3.21	2.49	1.98	32.79
1896	6.10	6.86	2.41	1.61	4.57	6.57	1.09	2.43	1.77	3.32	2.86	6.92	46.51
1897	2.65	2.81	1.74	4.22	2.66	3.75	2.06	4.84	5.88	3.02	3.29	2.48	38.90
1898	.50	6.05	3.72	4.71	4.92	1.41	4.93	3.52	2.68	2.74	7.56	2.67	45.21
1899	7.08	4.63	2.58	3.68	2.64	6.41	1.95	1.62	2.40	4.46	2.04	3.98	42.67
1900	1.99	1.99	1.51	5.10	8.17	5.53	1.79	3.90	2.52	2.08	3.54	3.39	41.51
1901	2.73	4.42	2.41	1.40	.25	4.98	7.95	6.42	1.46	4.15	2.28	2.63	41.08
1902	2.63	2.80	8.68	2.24	3.06	6.68	5.39	2.41	2.50	5.09	4.77	3.77	49.80
1903	4.29	.78	5.92	3.31	3.62	5.39	3.42	.64	7.53	2.95	3.09	1.24	42.18
1904	2.93	1.33	2.84	3.91	2.66	2.63	7.22	2.55	3.79	3.18	2.88	5.60	41.52
1905	1.09	1.35	1.97	4.48	1.46	2.98	2.05	1.20	5.96	1.27	2.81	6.61	33.23
1906	1.01	2.11	3.38	2.57	2.27	5.77	2.97	4.79	4.63	4.90	1.86	1.44	37.50
1907	2.11	2.68	4.00	2.37	1.77	1.97	2.80	2.10	2.26	4.84	.66	5.56	32.92
1908	4.10	5.46	3.56	2.67	4.41	2.35	1.57	3.23	.67	6.33	4.46	.52	39.33
1909	2.53	1.04	2.07	4.03	4.77	3.53	4.23	1.93	1.45	2.62	1.80	4.01	35.01
1910	1.02	3.46	3.68	4.00	4.56	1.32	2.56	1.32	2.99	2.19	2.67	1.83	31.60
1911	1.56	2.73	2.04	2.52	2.80	3.64	1.89	.30	1.52	3.19	5.56	2.10	29.85
1912	2.93	3.68	3.60	2.94	2.44	5.68	3.99	4.24	.25	3.92	2.66	2.21	38.54
1913	1.99	3.14	4.53	2.34	3.03	4.87	3.22	4.21	2.18	1.09	2.44	2.41	35.45
1914	6.89	2.13	3.38	3.37	3.18	4.48	5.36	2.35	1.28	2.43	3.92	.19	38.95
1915	1.19	2.40	2.96	4.42	3.41	T	.84	2.83	1.35	12.72	6.15	1.14	39.41
1916	3.10	3.55	5.27	1.81	5.45	3.41	4.48	4.73	6.58	4.18	2.80	2.70	48.07
1917	.92	2.30	3.10	2.95	2.42	4.26	2.68	3.23	4.78	1.93	4.42	1.13	34.12
1918	5.22	1.02	3.22	3.01	2.44	2.62	2.79	2.05	3.44	7.63	2.14	7.97	43.55
1919	1.27	3.09	3.72	3.44	2.55	4.59	3.68	5.61	1.97	2.67	2.60	4.49	39.68
1920	3.19	5.71	1.60	2.14	6.41	4.21	5.78	3.05	4.70	2.79	2.55	3.95	46.08
1921	2.75	4.63	5.56	1.89	2.51	2.51	4.42	2.69	2.62	5.92	1.43	2.34	39.27
1922	2.35	7.14	2.73	2.12	3.03	4.59	2.28	4.75	11.14	7.17	4.22	4.45	55.99
1923	2.12	1.16	3.47	8.39	2.19	2.75	5.00	1.63	2.86	2.17	1.77	1.12	34.63
1924	3.71	5.16	4.89	4.46	2.99	2.16	4.94	3.58	2.22	2.43	4.00	8.14	48.63
1925	.02	2.98	1.91	4.12	2.29	8.21	2.45	2.02	4.12	3.39	1.97	2.33	35.61
1926	5.08	4.60	3.97	2.50	6.24	2.15	3.21	1.62	2.14	2.67	4.32	1.35	39.85
1927	3.91	4.37	4.06	3.71	5.10	1.42	1.49	2.82	1.79	5.55	8.82	3.45	46.49
1928	4.38	4.93	4.70	3.12	3.77	2.28	5.18	2.69	5.33	4.24	4.91	4.13	49.66
1929	3.45	1.25	4.38	3.32	4.50	4.30	5.66	3.04	2.23	.96	1.55	1.61	36.25
1930	2.46	2.57	3.63	2.55	2.42	3.96	1.83	2.52	3.16	5.02	1.73	1.75	33.60
1931	3.78	2.94	2.46	3.24	2.60	5.04	2.85	2.52	6.01	2.96	4.81	1.74	40.95
1932	2.39	1.02	3.69	4.24	2.35	4.63	1.99	1.02	1.22	2.99	4.24	6.69	36.45
1933	5.86	3.76	1.37	2.67	4.55	6.51	6.45	2.35	1.64	2.79	2.62	9.39	52.76
1934	3.68	1.23	3.55	2.93	2.31	2.93	4.93	1.30	3.85	1.96	1.58	7.42	40.29
1935	3.14	2.72	2.40	7.22	3.18	1.69	4.33	1.21	6.77	2.98	.82	4.92	41.58
1936	.86	4.85	1.13	7.24	3.14	6.97	3.90	1.97	3.32	3.91	3.40	1.67	42.36
1937	3.33	1.17	7.74	4.72	2.35	3.83	4.82	2.86	3.80	.38	2.38	2.40	39.79
1938	3.90	6.17	4.43	4.33	2.12	2.17	3.57	3.46	6.16	13.26	4.45	8.55	62.57
1939	3.03	2.70	3.31	1.96	2.98	4.81	4.84	1.79	2.92	1.51	3.29	1.74	34.98
1940	4.53	.70	3.15	2.47	3.79	4.07	4.83	4.26	2.64	2.50	2.06	2.71	37.71
1941	.81	6.19	3.40	2.34	2.45	2.07	.80	2.35	1.68	4.60	1.68	1.55	29.92
1942	2.33	2.39	3.72	3.48	2.99	6.64	2.02	2.90	2.77	6.01	1.31	1.77	38.33
1943	2.74	5.08	4.55	2.63	1.35	3.03	2.89	4.74	2.03	5.01	2.59	.44	37.08
1944	4.89	4.17	.82	2.34	2.49	4.00	3.47	.70	5.81	1.46	1.47	7.27	39.89
1945	1.83	4.78	2.96	2.18	3.73	1.62	3.03	4.49	5.44	4.09	2.75	.99	37.89

LAWRENCE, MASS. (Experiment Station)^(a)
Lat. 42°42'25", Long. 71°09'00". Elevation, 45 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1904	-	-	-	4.50	1.21	2.95	8.86	2.65	3.89	3.23	3.19	6.71	-
1905	1.63	1.85	2.35	4.93	1.87	3.35	2.49	1.40	7.77	1.44	3.00	6.33	38.01
1906	1.11	2.14	3.66	2.58	2.54	6.14	2.98	5.62	5.58	4.70	1.85	1.58	40.48
1907	2.33	3.56	4.81	2.50	2.23	2.23	3.82	2.29	3.50	4.62	.80	8.29	40.47
1908	4.21	6.80	4.17	3.42	5.14	2.58	2.02	3.56	.83	6.36	4.95	.56	44.60
1909	3.53	1.19	3.10	4.51	5.14	3.56	5.44	1.78	1.65	2.65	2.57	4.26	39.28
1910	.95	3.81	4.06	4.57	5.96	.87	2.60	1.66	4.54	2.08	3.24	2.10	36.44
1911	2.14	3.82	2.00	2.48	2.54	3.53	1.58	.19	2.68	4.12	5.38	1.99	32.45
1912	2.71	3.84	3.48	2.73	2.46	5.60	3.88	3.85	.22	3.56	2.31	2.17	36.81
1913	1.97	2.98	4.57	2.06	2.87	3.89	3.34	4.19	2.01	1.08	2.49	2.31	33.76
1914	6.89	1.82	3.35	3.11	2.78	4.03	5.92	2.39	1.36	2.80	3.93	.26	38.44
1915	1.21	2.56	2.87	4.95	2.93	.00	1.56	1.04	1.25	11.84	6.15	.06	37.44
1916	3.22	2.95	5.23	1.57	5.01	4.46	5.04	4.54	6.38	4.13	2.32	2.07	46.92
1917	.93	2.30	3.20	3.23	2.02	4.32	2.90	4.20	4.20	1.91	2.82	1.13	32.03
1918	5.60	1.08	2.54	3.85	3.00	1.99	4.30	4.21	3.44	3.89	1.91	6.59	40.40
1919	1.35	3.12	3.48	3.76	2.93	4.37	2.83	5.89	1.84	2.65	3.08	4.86	40.16
1920	3.14	6.04	1.89	2.66	7.23	4.23	6.36	2.32	5.22	2.83	1.99	4.69	48.60

PRECIPITATION RECORDS

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LAWRENCE, MASS. (Experiment Station) (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	1.23	5.73	5.43	1.91	3.52	2.72	4.07	1.99	2.86	5.35	1.29	2.28	38.38
1922	2.40	7.87	2.69	2.17	2.57	4.52	2.00	4.90	11.54	7.81	4.11	4.17	56.55
1923	2.00	1.05	2.89	6.41	1.63	2.11	4.71	1.51	3.10	2.29	1.74	1.63	30.77
1924	4.28	4.78	4.65	3.39	2.09	1.92	3.90	3.22	2.23	2.21	4.25	8.40	45.30
1925	.08	3.17	1.52	3.40	2.42	7.76	2.44	2.15	3.75	5.58	1.87	2.39	34.48
1926	5.41	4.08	4.38	1.83	4.69	2.88	2.15	1.66	2.27	3.18	4.05	1.47	38.05
1927	3.96	4.29	8.80	2.53	3.51	1.43	1.33	2.99	2.00	5.45	9.44	3.74	44.02
1928	4.41	5.09	5.00	2.45	3.25	1.68	4.66	2.86	5.94	4.33	6.51	4.05	50.33
1929	3.25	2.48	2.94	3.10	3.58	3.15	7.64	4.08	2.35	3.98	1.63	1.62	36.87
1930	2.65	2.49	3.40	2.50	2.04	3.46	1.73	2.73	2.77	5.60	1.97	1.99	33.33
1931	4.43	3.73	2.06	3.07	2.48	5.09	3.08	3.27	6.58	2.95	5.15	2.06	43.95
1932	2.74	1.43	4.37	4.82	2.10	4.30	2.42	.61	1.45	3.21	4.69	6.74	38.88
1933	5.86	6.16	1.14	2.39	3.11	6.72	6.90	2.50	1.52	3.39	3.20	10.83	53.72
1934	4.10	1.36	3.94	2.73	2.71	3.80	4.52	3.46	4.49	2.05	1.40	7.84	42.40
1935	3.76	3.39	2.50	5.77	2.57	1.78	4.69	1.08	7.21	2.82	1.03	5.19	41.79
1936	.89	4.12	1.02	6.17	2.66	6.08	3.08	1.81	3.15	4.03	3.09	3.61	39.71
1937	1.98	1.16	7.35	4.59	1.91	3.15	4.38	3.04	3.95	.40	2.91	2.96	37.80
1938	4.07	5.12	4.44	2.33	1.64	2.09	3.31	3.50	6.29	12.48	4.05	8.55	59.77
1939	2.52	2.46	3.01	1.64	3.14	3.85	4.85	1.67	2.98	1.14	3.57	1.90	32.73
1940	4.26	.81	3.09	2.00	4.10	3.46	5.06	4.50	2.79	3.18	1.83	3.79	38.87
1941	.76	5.96	2.84	2.90	1.96	1.84	1.14	2.37	2.83	4.50	2.64	.58	30.32
1942	2.33	2.22	4.15	3.34	2.82	6.69	1.84	3.01	2.75	6.18	1.41	2.05	38.79
1943	2.96	5.40	5.82	2.92	1.10	3.17	3.05	4.96	2.07	5.59	2.73	.57	40.14
1944	5.21	5.17	.91	3.15	2.28	3.81	3.46	.72	5.65	1.43	1.46	7.09	40.34
1945	2.13	6.23	3.08	2.51	4.18	2.41	3.08	4.73	4.94	4.77	2.96	1.05	42.07

LAWRENCE, MASS. (Arlington Mills, roof gage)
Lat. 42°43'00", Long. 71°10'45"

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1911	-	-	-	2.44	2.56	3.59	1.74	0.37	2.14	4.08	5.47	2.05	-
1912	2.82	3.18	3.59	2.53	2.65	6.39	4.32	4.71	.42	3.77	2.71	2.17	39.26
1913	2.11	3.95	4.97	2.90	3.00	5.87	3.50	4.48	1.76	1.08	2.25	2.91	38.78
1914	7.37	2.13	3.83	3.79	2.21	5.93	8.22	2.48	1.37	3.21	4.15	.18	44.87
1915	1.34	3.02	3.39	5.10	3.02	.00	1.00	1.65	1.72	14.32	7.22	1.44	43.22
1916	3.36	3.82	1.57	.44	5.13	2.18	5.93	5.21	7.86	4.66	2.93	2.53	45.62
1917	.99	2.31	2.31	2.14	2.33	3.89	2.52	4.40	5.59	1.88	6.49	1.17	35.77
1918	7.37	1.16	3.25	2.86	2.31	2.18	3.04	2.35	4.13	7.01	2.42	7.97	46.05
1919	1.30	3.00	6.13	5.41	2.96	5.16	3.20	7.32	2.82	2.76	2.85	5.47	45.36
1920	3.29	7.30	1.55	1.59	5.15	4.40	7.16	4.11	6.21	2.82	2.86	6.52	52.96
1921	1.63	7.47	6.04	1.98	2.97	2.77	6.34	3.69	3.08	7.01	4.39	2.75	47.22
1922	2.85	8.12	2.71	1.73	3.08	5.28	1.83	8.54	11.33	6.49	3.72	3.75	59.43
1923	2.03	1.02	2.54	5.23	.99	1.58	5.12	1.50	2.46	2.15	1.47	1.35	27.44
1924	3.83	4.96	4.31	3.19	1.43	1.58	4.21	3.20	2.30	2.24	4.01	7.58	42.82
1925	.01	2.45	1.33	2.65	1.73	7.73	2.45	1.82	3.89	3.11	1.82	2.04	31.09
1926	4.89	4.07	4.12	1.67	3.32	2.52	1.73	1.45	1.69	2.15	3.62	.98	32.21
1927	3.21	3.85	2.18	1.49	2.45	1.15	1.30	2.14	1.55	4.50	8.21	3.44	35.47
1928	3.82	4.32	4.25	2.05	3.10	1.52	4.70	2.62	4.87	3.75	6.64	3.55	45.18
1929	2.51	1.90	2.34	2.56	3.39	2.73	5.66	2.98	2.05	.31	1.11	1.56	29.67
1930	1.70	2.13	2.84	1.91	1.50	3.18	1.38	2.33	2.61	4.69	1.56	1.31	27.14
1931	3.90	2.93	1.99	3.03	3.16	5.32	2.85	2.44	5.94	2.16	4.62	1.72	40.08
1932	2.66	.97	3.36	4.94	2.10	4.99	1.89	.67	1.68	2.71	4.12	6.51	36.60
1933	6.67	5.81	1.44	2.31	3.64	6.54	6.85	2.19	1.60	3.18	2.48	10.32	53.03
1934	4.00	1.27	3.75	2.95	3.51	3.98	3.32	3.32	3.40	2.19	1.32	6.52	40.03
1935	3.14	1.97	2.37	7.15	3.32	1.69	4.57	1.17	6.50	2.89	.76	4.81	40.34
1936	.76	5.16	.99	6.38	3.21	8.00	3.28	1.54	3.82	3.76	3.05	1.72	40.95
1937	3.25	1.34	7.39	4.35	1.89	3.63	4.65	3.07	3.10	.45	2.93	2.90	39.87
1938	3.81	6.08	4.60	4.11	2.02	1.98	3.95	3.08	6.03	12.56	5.19	8.37	61.78
1939	3.53	2.72	2.93	1.47	3.69	4.65	4.39	1.78	2.68	1.65	3.11	1.77	34.25
1940	4.04	.77	2.29	2.31	3.68	3.90	4.89	4.37	3.05	2.49	2.04	2.39	36.22
1941	.68	5.80	3.03	2.59	2.20	2.34	.84	2.51	2.02	4.63	2.29	.35	29.28
1942	2.18	2.27	3.97	3.27	3.01	7.04	2.06	2.79	2.24	5.07	1.05	1.78	36.73
1943	2.46	4.64	5.42	2.61	1.08	2.85	2.82	4.44	1.98	5.70	2.70	.24	36.94
1944	4.97	4.51	.81	2.86	2.50	3.95	3.35	.66	5.58	1.38	1.23	7.81	39.61
1945	.79	5.12	1.85	2.62	3.96	1.72	3.05	4.60	4.95	3.98	2.61	.78	36.03

LEICESTER, MASS. (Kettle Brook, Worcester Water Works.)
Lat. 42°17', Long. 71°54'30", Elevation, 1,060 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1905	-	-	-	4.40	1.23	5.52	3.00	0.99	5.96	3.20	2.99	7.29	-
1906	1.94	3.00	4.45	2.48	3.31	3.18	2.70	7.07	3.47	6.81	5.29	2.78	46.48
1907	3.65	2.45	3.68	3.32	2.27	1.48	2.70	4.08	4.08	1.66	1.49	10.49	41.55
1908	7.68	7.05	4.24	3.96	4.68	3.25	2.38	6.10	1.98	5.90	6.99	1.99	56.20
1909	4.12	1.39	2.01	2.78	6.76	4.32	6.55	3.05	2.56	2.46	3.58	3.90	43.48
1910	1.73	2.22	4.16	6.59	4.55	1.43	3.68	1.56	4.04	1.88	4.02	3.13	38.99
1911	1.07	4.77	1.82	2.28	2.32	4.29	2.42	1.74	2.53	3.15	4.81	5.08	36.28
1912	6.52	4.26	2.94	2.33	2.78	5.97	5.12	5.52	.68	3.88	4.41	2.00	43.71
1913	2.05	4.93	4.83	3.19	3.46	5.42	4.97	4.68	2.08	2.74	2.72	5.66	46.73
1914	7.20	3.17	3.65	2.15	4.08	5.35	5.21	3.31	1.97	3.76	4.46	.03	44.34
1915	1.92	2.68	3.70	6.31	4.39	.10	1.47	2.20	1.69	10.02	6.78	1.59	42.85

LEICESTER, MASS. (Kettle Brook, Worcester Water Works)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	3.18	2.90	5.79	1.74	7.06	3.86	4.04	4.02	6.29	7.31	1.78	3.63	51.60
1917	1.80	2.42	3.86	2.89	3.73	4.37	1.89	4.47	4.10	1.35	6.89	1.10	36.67
1918	7.70	.66	2.56	3.59	3.30	3.24	1.89	2.22	4.58	4.51	2.22	7.85	44.32
1919	1.98	3.08	2.71	2.78	3.65	8.25	2.86	6.00	2.54	7.59	4.42	7.70	51.56
1920	2.36	6.44	2.16	3.57	6.36	4.68	5.99	4.85	6.53	4.83	1.85	7.93	57.15
1921	.70	5.55	6.47	2.84	3.49	3.58	7.04	3.97	2.86	4.74	2.70	2.75	46.69
1922	1.92	8.22	1.95	1.88	3.13	6.61	2.23	5.15	8.80	5.22	5.33	3.84	58.86
1923	2.47	1.68	4.18	7.56	2.80	2.77	6.23	1.26	4.80	2.69	1.54	40.12	
1924	6.03	5.88	4.96	5.39	2.64	2.78	6.69	3.46	1.80	3.24	4.25	4.98	51.90
1925	.09	3.12	2.05	3.63	2.17	5.64	3.29	2.21	4.02	4.77	1.43	2.85	35.27
1926	4.19	3.64	4.25	2.84	4.61	3.21	2.94	1.82	1.95	3.23	2.63	1.69	37.00
1927	4.45	5.60	3.60	3.06	3.77	1.51	2.31	3.45	3.00	5.24	7.16	3.11	46.26
1928	6.12	6.49	6.63	2.78	4.51	1.62	5.26	2.31	6.46	4.54	4.86	3.79	55.37
1929	2.14	2.12	2.02	3.88	4.30	2.71	4.71	5.08	3.96	.66	1.50	5.00	38.08
1930	3.28	2.79	3.04	1.83	2.15	3.55	1.83	3.03	3.84	4.63	1.47	1.68	33.12
1931	3.81	3.21	2.49	2.87	3.28	6.08	2.68	4.43	5.63	2.29	6.00	1.56	44.33
1932	1.33	1.20	1.90	2.11	1.87	1.34	1.35	2.17	1.62	5.81	7.64	40.24	
1933	3.32	5.98	1.65	2.36	3.98	4.84	5.82	2.01	2.39	1.50	6.05	10.36	55.26
1934	3.01	1.50	3.49	3.93	2.40	3.58	4.13	4.75	6.37	3.43	2.80	10.14	49.55
1935	3.02	2.84	3.98	5.27	2.78	1.89	3.72	2.89	6.64	1.67	2.89	4.28	41.97
1936	.73	4.51	1.14	7.06	2.77	12.19	3.59	4.20	2.21	3.80	5.51	5.69	53.40
1937	3.79	1.35	7.85	5.40	2.01	3.56	5.23	3.81	4.35	3.04	4.63	4.25	49.27
1938	5.11	8.62	2.54	4.86	2.31	2.92	3.20	3.92	7.25	10.98	3.89	12.17	67.27
1939	2.69	3.07	3.38	2.26	2.30	3.22	3.19	1.20	3.33	.17	5.16	2.71	32.76
1940	4.82	1.26	2.56	2.36	4.00	3.26	3.82	4.43	2.53	4.15	2.13	2.42	37.54
1941	1.46	7.87	2.42	2.60	2.23	2.02	1.08	1.87	3.73	3.59	3.42	.68	32.97
1942	2.27	2.43	3.02	3.17	2.08	5.59	1.09	3.51	3.20	4.63	2.74	2.93	36.66
1943	3.94	4.84	3.95	2.82	1.09	2.63	1.64	5.54	3.78	5.29	1.54	.55	37.61
1944	5.71	5.15	.32	.91	1.56	3.58	2.82	1.09	7.71	.78	1.57	6.79	37.79
1945	2.41	3.90	3.34	2.83	3.60	2.43	4.71	6.31	8.15	4.92	4.53	1.86	48.99

LEICESTER, MASS. (Lynde Brook).
Lat. 42°15', Long. 71°52'. Elevation, 800 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1875	-	-	-	2.85	3.62	3.10	2.36	2.44	3.77	4.92	8.04	3.78	-
1876	5.78	4.79	1.09	2.24	4.25	7.82	2.91	5.87	1.55	6.97	1.52	3.91	48.70
1877	1.61	3.88	2.64	1.79	.37	7.03	1.99	1.90	2.14	3.84	4.04	.48	31.91
1878	8.42	7.07	1.26	4.91	5.35	3.89	6.11	1.36	4.30	2.77	3.88	1.20	48.52
1879	4.16	6.05	5.82	1.34	3.40	3.22	3.67	1.64	3.06	3.88	5.29	1.72	43.25
1880	.95	2.37	3.95	2.99	2.76	2.41	2.75	1.86	2.62	3.80	4.07	2.07	37.60
1881	3.85	1.77	2.32	3.61	4.71	5.46	1.67	4.43	4.58	2.88	2.04	2.50	39.82
1882	3.20	3.77	4.46	3.12	2.87	2.87	1.47	5.09	2.35	1.25	.94	9.24	40.63
1883	2.18	.85	1.94	2.24	3.61	1.46	1.60	4.85	2.90	2.99	1.12	1.57	27.31
1884	4.97	1.51	1.76	4.89	5.06	4.91	3.55	2.94	2.91	3.73	3.59	.84	40.66
1885	2.15	2.11	4.88	3.66	3.19	.74	2.60	2.82	2.37	2.73	6.95	1.60	35.80
1886	5.11	5.86	3.09	3.64	5.53	3.36	2.67	2.70	1.96	3.76	4.89	4.02	46.09
1887	2.77	5.16	2.63	3.68	4.28	2.28	2.66	1.20	2.65	7.30	6.83	1.32	44.76
1888	2.78	2.87	3.48	3.87	3.92	3.78	2.74	4.26	2.41	2.21	5.62	7.59	45.33
1889	6.53	5.57	6.15	4.99	1.73	1.35	3.32	2.82	2.28	8.28	3.44	3.41	49.87
1890	4.82	6.21	2.63	2.70	3.49	4.64	2.35	5.37	2.65	3.60	6.56	5.68	50.80
1891	9.89	1.23	3.27	6.98	4.18	4.89	2.40	1.88	2.73	3.47	5.36	2.42	48.70
1892	2.86	2.13	4.52	4.54	1.75	2.59	.58	6.56	2.40	4.80	6.51	1.51	40.55
1893	.63	5.60	.93	2.71	4.67	4.23	3.64	6.52	2.68	1.28	3.53	2.07	38.49
1894	4.65	2.09	4.45	2.45	2.16	1.50	2.56	5.01	.69	2.67	1.49	2.97	32.69
1895	4.11	2.82	2.95	3.64	.47	2.58	4.54	2.37	3.81	6.00	5.67	2.51	41.47
1896	7.43	7.85	2.96	1.59	4.27	7.68	.97	2.45	2.76	4.04	3.17	6.48	51.65
1897	3.53	2.79	1.32	4.42	2.29	3.60	3.04	4.22	4.05	6.42	3.51	1.49	40.68
1898	.62	6.20	5.84	4.04	3.18	1.63	3.40	3.25	2.64	2.66	10.04	1.10	46.60
1899	6.60	4.47	2.67	4.21	2.78	6.23	1.81	1.06	4.81	3.69	2.91	4.06	45.30
1900	1.46	2.64	1.85	4.18	6.21	7.03	2.58	3.69	3.83	3.96	2.74	2.36	44.53
1901	3.40	5.70	2.84	1.72	.88	6.12	9.26	6.54	.96	4.26	4.02	3.20	48.90
1902	4.14	2.21	9.12	2.70	2.58	7.46	4.56	1.53	2.65	6.01	3.02	4.00	49.98
1903	6.20	.99	7.32	3.43	4.46	6.70	3.11	.84	10.48	4.67	4.56	2.06	54.82
1904	5.57	2.42	4.09	4.36	2.64	3.34	7.69	2.76	2.31	4.27	4.29	4.95	47.29
1905	2.06	1.56	3.14	5.63	2.08	3.88	2.00	1.04	5.80	3.03	2.76	6.69	39.69
1906	1.74	2.29	3.82	2.68	2.78	5.94	3.32	6.02	3.22	6.63	2.13	3.32	43.99
1907	4.49	3.06	2.70	4.26	1.78	1.74	3.29	2.99	3.62	2.68	1.06	10.56	42.23
1908	5.08	6.29	5.02	3.33	5.18	3.60	1.56	6.51	1.55	4.66	7.50	1.36	51.64
1909	2.04	.87	2.99	3.23	6.27	4.27	6.04	2.48	2.26	1.25	3.24	3.69	38.63
1910	1.27	2.27	3.82	6.05	4.73	1.43	3.22	1.51	3.85	1.79	3.98	3.22	37.14
1911	1.17	4.49	2.24	2.65	2.80	3.72	2.84	1.54	2.51	2.63	5.15	4.10	35.64
1912	5.48	4.18	2.94	2.55	2.93	8.23	4.78	5.25	.31	2.87	3.71	1.65	42.88
1913	3.91	4.45	4.43	3.13	3.31	6.66	4.90	4.34	1.18	1.75	2.56	5.41	43.03
1914	6.57	3.07	3.50	3.46	2.88	5.74	5.41	2.95	1.97	3.24	3.66	.11	42.56
1915	1.79	2.91	3.54	6.30	4.21	.11	1.51	1.76	1.70	10.13	6.41	1.10	41.47
1916	2.77	2.37	5.30	1.78	6.73	3.92	3.69	3.52	5.82	6.39	1.76	2.96	47.01
1917	1.53	2.76	2.75	2.91	3.08	4.06	1.64	3.83	3.91	1.53	7.82	.71	36.53
1918	6.00	.55	3.02	3.87	2.89	3.62	2.13	2.07	4.04	4.23	2.06	7.75	42.25
1919	1.66	2.88	2.44	3.96	3.24	6.11	2.79	5.67	2.06	5.30	3.47	6.81	46.41
1920	2.09	6.06	2.15	3.21	5.35	5.55	5.96	4.23	6.69	3.23	1.41	7.62	53.55

PRECIPITATION RECORDS

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LEICESTER, MASS. (Lynde Brook)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	.72	6.08	6.61	2.62	3.25	3.34	7.54	4.63	3.11	6.13	3.00	2.62	49.65
1922	2.30	8.39	1.54	1.85	2.86	6.49	1.94	4.69	9.29	3.47	5.08	2.75	50.65
1923	2.23	1.94	3.59	6.90	2.11	2.71	6.26	1.29	4.40	2.71	2.48	1.26	37.88
1924	5.43	5.34	5.06	4.23	2.87	2.68	6.13	3.58	1.24	3.55	5.08	4.80	49.79
1925	.10	2.82	1.86	3.86	2.11	5.49	3.16	2.00	3.29	5.55	1.52	2.43	33.92
1926	4.37	3.11	4.44	2.86	4.81	3.23	2.61	1.53	1.56	3.49	2.55	2.02	36.58
1927	4.33	5.39	3.55	2.58	3.79	1.58	2.41	3.19	2.76	5.25	7.28	3.07	45.18
1928	5.51	6.46	6.58	2.49	4.56	1.98	5.22	2.43	6.66	5.55	4.61	3.87	55.92
1929	1.89	2.16	1.92	4.06	3.89	2.97	6.97	5.11	1.54	.72	1.31	4.82	37.38
1930	3.21	2.99	3.41	2.04	1.94	3.51	1.58	2.82	3.32	5.06	1.69	1.53	33.12
1931	3.60	3.17	2.19	3.55	2.89	5.54	3.06	4.29	7.15	2.01	6.37	1.28	45.10
1932	1.70	1.12	3.22	4.85	2.50	5.25	1.76	1.54	2.49	2.33	5.42	8.41	40.59
1933	7.72	5.55	1.68	2.39	4.03	5.48	5.86	2.33	2.35	1.54	5.07	9.77	53.77
1934	3.00	1.44	3.74	4.16	2.88	3.82	4.26	5.31	6.04	4.14	3.33	10.08	52.20
1935	2.91	2.89	3.53	4.91	3.19	1.83	3.37	2.85	5.65	2.27	3.59	4.61	41.60
1936	.45	4.45	1.21	7.70	2.62	12.39	3.51	3.53	2.60	2.75	5.75	6.07	55.01
1937	2.88	1.12	7.41	4.52	1.98	3.22	5.70	4.40	4.13	3.78	4.71	3.47	47.32
1938	4.55	8.61	2.58	4.75	1.55	2.57	3.04	3.68	5.44	12.71	3.04	10.16	62.70
1939	2.85	3.12	3.63	2.72	3.91	5.11	3.18	1.66	2.93	1.46	4.75	2.47	37.79
1940	4.42	.96	3.30	2.82	2.88	4.05	6.16	5.79	2.33	3.97	1.82	2.39	40.89
1941	1.29	6.86	2.44	2.51	2.80	2.32	1.06	1.95	3.88	3.37	3.93	.57	32.98
1942	1.94	3.02	3.69	4.61	2.73	7.83	1.15	2.79	3.63	5.37	3.02	2.37	42.15
1943	3.72	5.37	5.90	3.08	1.26	4.08	3.79	5.85	2.25	5.31	1.85	.59	43.05
1944	5.35	5.05	.86	1.59	2.44	4.63	4.52	.86	6.52	1.68	1.24	8.30	40.94
1945	1.94	5.23	3.50	3.00	3.88	2.33	4.92	5.96	7.26	2.70	4.06	1.44	46.22

LEOMINSTER, MASS. (b)
Lat. 42°32', Long. 71°45', Elevation, 540 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	-	-	4.70	3.12	1.01	3.02	3.35	1.62	3.52	9.23	1.54	-
1886	4.11	5.41	3.06	4.99	5.35	2.97	2.38	3.68	1.70	4.26	3.53	4.95	46.39
1887	2.89	5.43	3.59	4.94	4.88	4.15	4.31	2.58	2.86	6.40	8.49	2.55	53.07
1888	2.20	3.52	3.99	3.95	4.41	5.41	3.68	3.92	4.31	2.67	4.94	10.57	53.57
1889	6.05	5.92	5.38	4.99	1.72	1.67	2.97	4.31	2.42	8.03	3.68	3.05	50.19
1890	5.39	6.45	3.54	2.98	3.91	6.10	2.22	5.43	2.66	4.62	6.05	6.34	55.69
1891	8.83	1.56	3.48	6.97	3.69	5.57	3.34	2.34	4.58	4.30	1.95	2.08	48.69
1892	3.41	2.64	3.97	4.91	2.52	3.10	.63	6.15	4.55	2.93	6.56	1.76	43.13
1893	.89	5.30	.87	2.76	6.53	3.19	3.07	7.31	3.60	1.62	5.18	1.76	42.28
1894	4.86	2.31	4.81	2.37	2.84	1.15	2.96	3.62	.91	2.34	.60	3.99	32.80
1895	4.24	3.45	2.73	3.36	.87	2.69	4.34	2.16	6.46	6.60	1.62	2.25	37.77
1896	6.71	6.24	3.88	1.63	5.89	6.16	1.21	2.26	2.49	3.28	2.70	7.18	49.53
1897	3.27	2.95	1.59	3.41	2.63	4.08	2.28	5.22	5.35	9.96	3.11	2.27	46.12
1898	.91	7.29	5.73	5.63	3.90	1.26	4.42	3.74	2.69	3.03	9.30	4.83	52.73
1899	7.25	5.90	3.02	3.17	3.38	6.35	1.59	1.54	1.48	3.61	3.25	4.49	47.73
1900	2.00	2.07	1.61	4.27	9.03	6.38	2.26	4.13	2.85	2.74	3.53	3.88	44.75
1901	3.44	6.11	3.03	1.94	.77	5.43	9.13	7.32	2.06	6.31	3.69	2.28	51.53
1902	3.15	1.86	3.61	1.96	4.08	5.13	4.39	2.84	1.95	3.22	4.34	3.70	45.55
1903	6.54	.65	4.90	2.67	4.32	5.86	3.05	1.33	9.89	3.47	3.22	2.55	48.55
1904	4.30	2.20	2.53	3.80	2.01	3.32	8.05	3.43	3.27	2.41	4.11	5.50	44.93
1905	1.51	1.27	2.54	5.36	1.21	3.56	2.14	1.08	4.84	5.31	6.49	6.50	41.91
1906	1.96	2.12	3.49	2.39	92.27	4.42	2.69	6.38	4.67	5.61	3.19	1.64	40.83
1907	3.64	2.30	4.63	2.50	1.81	1.84	2.56	2.64	4.87	3.11	1.21	10.13	41.24
1908	4.87	5.32	3.72	3.16	4.66	2.61	1.67	6.37	1.68	2.70	6.61	.96	44.33
1909	2.28	1.02	3.06	3.65	6.62	4.15	5.34	2.82	3.60	3.36	3.15	4.12	43.17
1910	1.49	2.01	3.79	5.72	4.76	1.29	3.08	1.84	5.31	1.65	4.09	2.95	37.98
1911	1.35	3.77	1.94	2.70	2.35	3.86	2.04	.86	2.94	2.33	4.97	2.43	31.44
1912	5.50	3.84	3.37	2.43	2.38	5.67	3.96	5.12	2.27	3.44	2.96	3.01	41.95
1913	2.77	4.00	3.79	2.83	2.70	5.32	3.16	3.58	.62	1.69	3.17	3.51	37.14
1914	5.73	2.46	3.38	2.96	2.71	4.68	4.92	2.64	1.97	3.28	3.00	.18	37.91
1915	1.83	2.81	4.60	5.87	3.71	.02	1.73	1.61	1.64	9.61	7.41	1.58	42.42
1916	2.81	3.01	4.57	1.51	5.80	2.95	3.73	4.32	7.00	5.43	2.01	4.79	47.93
1917	1.24	3.12	3.00	3.15	3.03	3.41	2.11	3.76	5.05	2.14	3.82	.90	34.73
1918	5.95	1.01	3.04	3.02	3.38	2.26	1.95	2.73	4.37	3.17	2.19	7.07	40.14
1919	1.09	2.88	3.30	3.46	3.02	5.70	2.27	6.11	1.24	4.14	4.17	5.73	43.11
1920	2.55	6.33	1.86	2.27	4.82	3.42	6.26	3.79	5.61	4.12	5.13	6.04	52.20
1921	1.64	5.55	6.87	2.22	2.71	2.38	5.55	4.37	4.19	6.72	1.94	3.08	47.20
1922	1.83	7.22	2.43	2.56	2.78	5.30	2.02	5.98	7.46	5.47	5.64	4.37	52.06
1923	2.79	1.57	3.25	6.52	1.78	2.73	5.28	1.38	2.97	3.44	1.77	1.50	34.98
1924	4.95	6.56	4.37	4.18	2.19	1.76	5.34	4.10	1.18	2.37	4.29	4.49	45.78
1925	.03	3.38	2.21	3.22	2.07	6.57	2.73	1.93	5.11	4.54	2.79	3.18	37.76
1926	4.15	3.81	4.53	2.21	4.88	2.57	2.64	1.79	2.40	3.58	3.57	1.26	37.39
1927	5.73	4.91	3.37	5.11	3.37	1.46	1.93	3.47	2.30	5.56	6.74	4.78	48.61
1928	4.74	7.60	5.89	3.09	3.68	1.71	5.56	3.00	6.33	5.77	4.90	3.90	56.24
1929	1.49	1.90	2.57	4.42	4.29	3.43	5.45	5.44	5.80	1.06	2.21	1.61	37.67
1930	3.10	2.64	3.02	1.88	1.73	4.17	1.64	3.15	2.82	5.42	1.69	1.51	32.77
1931	3.59	4.05	2.06	3.37	2.85	5.40	2.99	4.96	6.17	2.66	6.29	2.39	46.58
1932	2.28	1.31	3.90	4.82	2.87	4.52	2.14	1.59	1.31	3.33	3.60	8.55	40.22
1933	6.58	4.98	1.93	2.66	3.95	6.65	6.90	2.65	2.03	2.57	5.61	9.79	56.30
1934	4.19	1.45	3.80	-	-	-	-	-	-	2.20	1.92	8.73	-
1935	2.58	2.51	3.80	5.68	3.04	1.67	3.05	1.76	6.40	3.17	1.34	5.05	40.05

HYDROLOGY OF MASSACHUSETTS

LINCOLN, MASS. (Baker's Bridge.)
Elevation, 187 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	-	-	-	1.79	1.98	4.12	2.74	5.15	8.08	4.63	3.57	2.50	-
1907	2.43	2.38	2.54	8.56	1.12	1.55	2.55	8.10	2.84	2.01	1.22	8.99	35.67
1908	3.97	5.54	3.32	2.18	8.29	2.87	1.77	5.79	.65	3.96	5.96	.71	37.69
1909	2.27	.89	2.27	5.05	3.78	83.03	4.47	1.77	3.70	3.12	3.08	4.77	38.20
1910	1.16	2.95	2.76	3.27	3.25	1.27	2.48	1.09	3.80	1.75	1.99	2.83	28.58
1911	.94	3.33	1.80	2.31	1.88	2.95	1.85	1.15	3.90	3.71	4.20	4.03	32.05
1912	3.32	4.14	3.83	2.24	2.29	5.52	4.22	4.80	.10	3.44	2.55	1.69	37.94
1913	2.80	2.91	4.14	2.46	3.48	4.95	4.11	4.02	1.13	2.77	3.12	3.50	39.19
1914	25.00	2.44	2.66	2.70	1.88	4.27	4.87	2.91	2.16	2.39	2.96	.16	34.40
1915	1.84	2.63	2.87	4.84	3.51	T	1.44	1.93	1.87	10.35	5.76	.98	38.00
1916	3.58	2.79	3.78	1.10	4.21	2.68	4.27	3.05	4.96	4.10	1.82	2.21	38.55
1917	1.09	2.20	2.34	2.61	1.86	2.88	5.09	5.07	4.20	1.50	2.56	.78	30.13
1918	4.36	1.22	2.40	2.52	1.84	2.77	2.32	2.56	3.55	4.22	1.79	8.20	37.76
1919	.95	2.74	3.19	2.75	2.81	3.75	1.85	5.62	1.22	5.46	4.35	5.15	39.64
1920	1.94	6.07	1.24	2.15	6.84	3.31	5.19	3.22	6.33	2.32	1.15	4.40	44.16
1921	1.46	5.58	4.99	2.24	3.58	1.62	3.73	4.67	3.67	9.60	2.06	1.67	44.87
1922	1.36	3.89	1.19	.70	1.95	3.49	1.83	5.43	9.00	5.05	4.21	1.86	39.96
1923	2.58	1.54	2.85	5.96	1.40	2.44	5.13	1.28	2.97	2.91	1.75	1.54	32.55
1924	4.75	4.60	5.48	2.21	1.93	1.75	3.32	3.82	1.85	1.57	4.84	6.39	42.51
1925	.12	2.37	1.50	2.52	1.79	6.15	2.79	2.45	4.78	4.32	2.10	2.95	35.84

LINCOLN, MASS. (Lincoln Water Works.)
Lat. 42°25'45", Long. 71°18'55". Elevation, 250 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	-	-	-	2.17	1.33	4.10	2.23	3.78	3.04	3.75	3.34	2.23	-
1907	1.60	2.38	3.56	1.78	1.03	1.55	2.23	2.27	1.89	1.85	7.82	-	28.97
1908	4.12	4.84	3.18	2.75	4.43	2.55	2.43	3.67	1.37	1.75	4.17	.00	35.26
1909	.85	.34	2.39	2.44	4.24	3.03	4.16	1.56	3.01	2.68	1.39	3.42	29.51
1910	.98	2.34	4.12	4.60	3.52	1.22	2.23	1.01	3.53	1.20	3.47	1.82	30.04
1911	.44	3.48	1.92	2.42	1.96	3.25	2.01	.10	3.19	2.94	4.06	3.82	29.59
1912	3.09	4.25	2.83	2.05	2.35	5.88	3.27	5.16	.20	2.84	2.43	1.86	35.99
1913	2.82	3.78	4.32	3.73	1.50	6.11	3.75	3.65	1.13	1.93	3.52	3.02	38.46
1914	6.70	.81	4.14	1.48	5.12	2.55	5.50	2.50	1.73	1.71	4.17	.00	36.59
1915	1.65	1.80	2.15	5.52	2.68	2.26	2.38	1.10	1.58	11.28	5.19	1.52	38.51
1916	2.50	2.85	3.00	2.05	3.76	1.79	4.91	2.93	5.79	3.31	1.02	1.30	35.21
1917	1.20	2.10	2.78	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	1.40	2.80	2.90	2.85	1.35	5.15	3.50	1.70	5.86	-
1919	.82	3.05	3.10	1.65	2.80	3.70	1.85	5.80	1.70	5.46	4.30	5.10	39.13
1920	1.94	6.02	1.28	-	-	-	-	-	-	-	-	-	-

LITTLETON, MASS. (a)
Lat. 42°32'08", Long. 71°30'45". Elevation, 325 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1918	-	-	-	23.38	22.78	1.88	3.36	1.29	3.32	2.92	1.58	7.97	-
1919	1.13	2.46	3.01	8.18	2.95	4.96	2.72	5.88	1.26	4.75	3.11	4.47	39.90
1920	2.75	6.01	1.89	2.09	4.16	3.75	5.90	3.53	5.72	3.45	2.91	7.11	49.27
1921	.34	4.92	5.37	2.18	2.11	2.36	6.34	1.81	3.84	5.89	1.58	2.13	38.67
1922	2.46	8.07	2.23	1.44	2.58	4.48	1.28	5.05	7.26	5.43	4.47	4.32	48.87
1923	2.79	1.56	2.89	5.43	1.75	2.15	5.79	1.33	3.09	2.53	2.65	.87	32.83
1924	5.24	6.24	4.40	3.20	2.21	1.20	5.23	3.40	1.73	2.02	4.27	5.24	44.48
1925	.05	2.53	1.57	3.10	2.01	5.92	2.78	1.89	3.97	4.49	2.02	2.38	32.71
1926	4.77	3.56	4.02	2.40	3.55	2.95	1.95	2.18	1.91	2.21	2.60	1.18	35.28
1927	4.24	4.59	2.48	1.83	2.88	.92	1.81	3.37	1.87	4.70	10.80	3.99	43.28
1928	5.51	8.59	5.11	2.11	2.82	1.37	4.44	3.29	6.15	4.24	4.53	3.60	51.66
1929	1.70	2.55	2.27	3.49	3.49	2.82	6.28	3.81	2.51	1.23	1.54	1.63	33.32
1930	2.27	2.82	2.79	1.89	1.52	3.48	2.10	3.81	1.30	5.17	2.15	.79	30.13
1931	4.64	4.00	1.65	3.14	1.94	4.52	3.21	3.64	6.57	2.54	4.85	2.00	42.70
1932	2.46	1.26	3.75	3.93	1.80	3.73	2.04	1.38	1.37	2.32	5.04	9.06	38.14
1933	6.33	4.44	1.42	2.03	3.06	5.70	5.20	2.51	2.24	2.58	3.71	11.58	50.80
1934	4.18	.95	3.07	3.23	2.65	4.31	3.58	3.50	4.29	2.05	1.75	9.87	43.23
1935	3.20	2.48	2.83	5.87	2.93	1.55	4.11	1.77	6.27	2.71	1.57	4.79	40.06
1936	.60	4.86	1.09	6.78	2.74	8.87	3.24	3.17	2.72	2.60	5.35	5.37	47.19
1937	2.67	1.54	7.46	4.52	2.15	3.60	5.26	4.17	4.27	.97	5.65	3.32	45.56
1938	3.75	6.40	4.07	3.70	2.12	2.65	3.22	3.48	7.88	11.11	2.55	9.20	60.13
1939	2.03	2.92	3.05	1.95	3.47	4.09	4.21	2.38	2.25	.52	3.66	1.99	32.50
1940	4.67	.91	2.88	2.50	3.57	3.94	5.41	5.73	1.94	4.48	1.42	2.90	40.35
1941	.75	7.18	2.79	2.61	1.80	1.72	1.06	2.84	2.38	2.58	3.20	.64	29.15
1942	2.18	2.85	3.31	3.58	2.73	7.49	1.33	3.45	5.33	5.40	1.57	2.20	41.42
1943	2.73	4.72	5.85	8.32	1.31	2.95	3.16	5.82	3.51	4.53	2.64	1.08	41.42
1944	5.04	4.91	.79	2.11	2.27	4.36	3.68	1.07	7.35	2.84	3.08	6.42	43.42
1945	2.43	5.80	3.11	2.92	4.29	2.04	3.50	4.82	4.80	4.36	3.85	1.80	43.42

PRECIPITATION RECORDS

167

LOWELL, MASS. (Merrimack Manufacturing Co.)
Lat. 42°38'30", Long. 71°18'30". Elevation, 80 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1826	-	-	-	1.56	1.00	3.75	1.27	1.80	3.51	1.77	7.00	3.13	-
1827	2.80	2.34	2.57	1.63	2.56	3.27	5.11	5.14	3.86	3.72	3.39	7.09	45.48
1828	6.07	6.21	3.81	2.16	2.94	1.48	2.32	7.19	3.15	4.73	1.06	3.70	44.82
1829	2.51	6.11	.35	4.52	3.68	3.83	4.34	3.25	1.53	2.48	2.16	2.02	36.76
1830	.87	5.81	2.45	2.45	.61	3.33	1.95	2.52	4.46	5.72	3.60	3.81	37.58
1831	2.26	5.92	5.96	3.19	4.56	3.93	8.16	3.99	3.41	3.72	4.38	5.89	55.37
1832	4.29	3.78	2.43	4.84	2.85	3.78	4.18	6.96	1.15	4.61	9.90	2.29	51.06
1833	3.84	4.31	4.19	2.00	1.50	3.54	3.34	2.98	4.49	2.37	2.37	3.09	40.66
1834	7.00	3.80	4.76	1.34	1.15	1.03	2.13	5.91	3.49	4.85	.95	1.95	38.86
1835	4.20	2.16	2.12	4.89	1.09	2.29	4.11	2.59	1.93	4.89	2.36	1.56	34.19
1836	3.58	1.15	1.98	2.31	.93	.72	1.89	1.61	2.89	8.60	1.71	1.40	28.77
1837	2.98	5.12	5.38	.34	1.81	2.26	4.02	7.27	5.12	1.49	2.41	.93	39.13
1838	1.75	1.57	2.09	2.63	.00	2.88	2.72	3.41	3.88	2.03	3.50	6.35	32.61
1839	4.78	4.46	.88	1.24	2.31	1.16	5.67	3.28	4.30	4.24	4.92	1.91	39.15
1840	2.17	2.26	4.76	.92	2.15	4.15	4.63	1.95	1.82	1.68	6.89	2.72	36.10
1841	3.70	7.21	.88	4.10	2.00	1.76	7.13	2.70	2.59	1.46	3.83	4.06	41.32
1842	3.10	3.26	4.47	.97	3.99	2.89	2.87	2.38	5.19	1.03	5.43	4.31	39.81
1843	1.36	4.95	3.24	2.14	2.04	5.44	3.14	2.10	4.49	2.39	8.16	1.26	40.81
1844	3.68	3.28	1.25	.93	1.07	3.45	.29	3.64	1.67	3.50	6.90	3.55	33.41
1845	5.18	2.25	3.08	1.20	1.80	3.64	1.68	2.75	2.66	3.40	2.58	3.05	33.29
1846	3.36	7.97	4.89	2.44	1.82	3.27	1.31	4.21	2.40	3.59	2.79	.64	38.69
1847	1.61	2.70	1.25	5.42	3.14	3.46	2.26	2.15	6.75	3.01	3.81	4.85	40.41
1848	3.01	3.70	4.70	2.83	2.10	3.54	1.60	7.41	4.01	2.16	3.15	4.06	42.27
1849	5.00	2.68	3.75	1.13	.83	5.07	2.06	4.04	1.70	2.20	5.53	2.51	36.50
1850	7.34	5.70	3.60	3.52	4.58	2.75	4.22	7.12	2.23	2.78	7.65	6.21	57.90
1851	2.61	2.92	4.80	2.07	4.43	1.76	7.88	3.29	2.00	4.26	3.29	2.86	42.27
1852	6.51	5.30	2.03	1.44	2.96	3.06	8.86	1.22	3.33	2.31	8.07	1.64	46.73
1853	2.14	4.78	2.97	1.52	6.06	2.05	3.45	5.40	.60	2.36	8.37	4.32	44.02
1854	4.30	3.79	1.70	2.36	3.53	3.34	4.68	4.31	3.49	2.12	.18	4.67	38.47
1855	4.28	6.28	2.84	7.81	4.48	1.12	5.04	1.07	3.81	3.99	2.32	.63	45.67
1856	5.78	3.90	4.94	2.83	1.07	.90	3.48	5.31	2.09	1.73	12.31	4.79	49.13
1857	2.03	2.53	3.42	3.86	1.63	2.58	8.02	3.58	3.16	5.67	5.68	2.29	44.45
1858	5.52	2.26	5.15	1.88	1.49	1.47	4.11	3.32	5.07	3.42	3.18	3.10	39.95
1859	3.13	2.01	3.62	5.62	2.86	6.24	2.76	3.80	5.85	1.58	3.98	3.80	45.22
1860	2.32	3.25	5.47	.66	2.06	2.08	1.02	1.91	4.87	6.87	5.03	9.44	44.98
1861	2.46	4.65	5.86	5.01	2.89	4.67	4.52	4.07	1.84	2.98	5.12	2.11	46.18
1862	3.67	4.57	1.87	6.86	3.27	4.85	1.75	1.99	6.04	5.20	2.29	1.87	44.23
1863	3.92	4.80	1.62	3.93	2.91	4.69	4.37	1.91	1.59	9.77	6.07	3.07	48.45
1864	3.66	6.02	4.38	2.44	.89	8.03	2.56	2.56	1.25	1.62	3.22	2.91	39.54
1865	3.79	3.93	4.91	3.61	3.29	4.24	1.80	5.71	2.54	2.39	2.42	.56	39.19
1866	5.86	2.08	2.88	1.66	4.68	3.50	2.56	4.22	2.64	4.54	3.52	3.92	42.06
1867	1.62	2.32	3.00	4.34	3.52	4.38	2.64	4.53	3.95	4.28	10.30	.62	45.26
1868	3.32	2.48	1.42	3.54	1.98	3.04	5.08	7.84	3.62	1.18	4.00	10.96	48.14
1869	.80	4.78	1.46	2.30	5.62	6.26	1.38	4.92	4.28	5.52	1.80	5.32	40.24
1870	6.80	2.80	4.50	6.41	4.56	4.49	5.94	1.96	6.17	1.41	3.07	3.02	50.93
1871	3.64	2.92	2.91	1.80	2.42	3.93	3.06	3.68	4.50	3.25	6.85	1.22	39.98
1872	4.48	7.00	2.46	1.66	1.88	3.16	1.52	3.42	5.50	3.40	8.38	4.36	47.20
1873	3.30	4.58	3.18	3.60	4.44	3.20	2.42	3.20	.38	3.82	3.72	3.86	39.70
1874	4.64	3.56	3.02	2.86	2.24	1.98	4.94	3.36	2.98	5.72	5.84	.88	42.00
1875	1.50	2.38	1.02	2.68	3.43	4.01	2.83	2.72	4.30	2.70	4.26	3.30	35.13
1876	5.12	3.96	.98	1.54	4.28	7.85	4.92	2.98	2.40	6.72	.27	4.14	45.16
1877	2.22	4.19	3.92	2.32	.64	6.32	4.60	3.24	2.18	3.11	3.64	.14	36.52
1878	7.54	6.20	.96	4.62	5.03	3.80	8.88	.30	3.14	2.16	10.78	.78	54.19
1879	5.01	6.09	6.04	2.30	3.80	5.18	3.86	1.84	5.72	4.13	5.62	2.28	51.87
1880	1.35	3.20	4.42	4.12	3.18	3.08	2.28	2.54	1.82	6.52	3.00	1.60	37.11
1881	2.62	1.88	2.64	4.20	4.32	5.30	1.90	3.80	4.84	3.12	1.96	3.29	39.87
1882	2.24	4.44	3.78	4.64	4.44	3.20	1.88	5.33	3.58	1.72	.88	8.40	44.53
1883	2.48	1.54	2.82	3.40	3.86	2.18	2.68	5.21	2.91	4.54	1.52	1.86	35.00
1884	5.88	2.00	3.80	4.82	5.58	4.68	3.78	4.44	3.60	3.98	4.24	1.32	48.12
1885	2.42	2.60	5.32	4.64	4.10	1.26	3.60	3.84	4.00	6.46	6.20	1.80	46.64
1886	4.48	4.84	3.10	5.88	6.26	3.26	1.56	3.26	2.46	3.79	3.02	3.92	45.83
1887	2.64	5.10	4.94	5.54	5.18	4.73	3.16	.88	1.18	5.16	12.28	2.56	53.53
1888	3.08	3.52	4.88	5.16	4.55	3.98	4.04	4.10	3.00	3.64	5.22	7.72	52.89
1889	7.14	5.62	5.33	4.74	1.72	1.95	2.16	3.14	2.36	6.22	3.18	3.20	46.75
1890	4.42	6.28	2.06	2.20	4.18	6.65	2.36	5.20	5.70	3.36	4.95	4.28	49.64
1891	6.68	1.46	3.96	6.62	2.63	4.20	2.80	1.96	3.20	2.62	1.88	1.30	39.31
1892	2.60	.93	3.09	5.42	2.22	2.91	.39	5.15	4.78	1.95	3.61	2.17	35.17
1893	.84	5.85	.63	2.50	7.07	2.14	2.70	5.29	2.57	2.65	3.46	2.60	38.10
1894	4.24	2.07	5.80	3.47	2.84	1.38	3.14	4.24	.52	3.72	1.14	3.59	35.15
1895	3.56	2.60	3.34	2.83	.78	2.58	3.98	1.28	3.12	2.93	1.99	2.16	31.15
1896	7.87	5.81	2.76	1.52	4.19	6.53	.92	2.11	2.52	3.56	3.04	9.25	50.08
1897	3.00	2.92	1.89	3.63	2.69	2.58	1.06	2.67	6.66	4.54	3.92	2.97	38.33
1898	.50	5.77	4.65	4.41	7.13	1.65	5.23	3.01	4.23	2.77	7.95	2.02	49.32
1899	6.18	5.77	3.40	2.66	4.50	5.98	1.76	1.92	2.82	4.08	2.26	4.01	45.32
1900	2.16	2.46	1.80	5.80	9.91	6.30	2.34	3.78	2.78	2.26	3.11	4.46	47.16
1901	3.12	5.88	2.28	1.73	1.06	5.78	10.23	6.95	1.56	4.76	3.63	3.54	50.52
1902	3.33	2.87	8.63	2.78	6.05	5.37	4.80	2.99	2.21	3.64	5.14	6.15	53.26
1903	5.88	.60	6.28	3.27	3.95	5.83	3.52	.98	8.97	2.75	3.13	1.51	46.65
1904	4.20	2.15	2.91	3.88	2.46	2.72	8.65	2.40	4.13	2.06	3.52	5.39	43.87
1905	1.05	1.42	2.21	5.39	1.28	3.11	2.26	1.17	5.21	1.19	3.54	6.73	34.56

LOWELL, MASS. (Merrimack Manufacturing Co.)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	1.40	2.20	3.78	2.53	1.98	4.54	3.18	6.06	5.26	5.19	3.28	1.29	40.89
1907	2.12	2.43	3.83	2.37	1.72	1.86	2.29	2.31	2.37	4.47	1.25	7.40	24.43
1908	4.35	4.94	3.28	2.15	5.85	2.45	1.78	3.28	.90	3.24	5.00	.21	37.55
1909	2.27	1.04	2.92	3.37	4.91	3.11	4.23	1.89	1.62	2.26	1.93	3.91	33.61
1910	1.12	2.44	3.86	3.54	3.75	1.45	2.72	1.36	2.98	2.18	3.24	1.83	30.47
1911	1.11	2.63	1.72	2.82	2.34	3.49	1.64	.71	1.90	3.25	5.49	2.57	29.67
1912	3.13	3.59	3.30	2.48	1.56	4.27	2.93	4.74	.42	5.67	2.23	2.15	36.47
1913	2.02	2.67	4.50	2.21	2.73	4.18	2.99	3.25	1.92	1.06	2.73	3.43	33.69
1914	5.78	2.26	3.19	2.59	1.57	4.49	4.59	2.10	1.22	2.26	2.71	.12	32.88
1915	1.03	2.26	2.91	3.78	3.41	.00	1.61	1.48	1.43	10.21	5.77	.98	34.87
1916	2.45	2.77	4.22	1.39	5.35	2.60	4.14	3.59	5.84	5.65	2.22	3.51	43.73
1917	.88	2.31	2.59	2.85	1.86	3.37	2.24	3.26	4.44	1.42	3.41	1.29	29.92
1918	4.24	1.10	2.47	2.95	1.91	2.41	2.56	2.10	3.02	3.80	2.00	7.73	26.29
1919	.87	2.74	3.05	3.27	2.54	4.10	2.27	4.71	.70	2.94	1.80	4.07	33.08
1920	2.62	5.13	1.36	1.97	5.50	3.49	5.47	2.85	3.32	2.68	3.33	2.74	40.86
1921	3.56	3.77	5.29	2.02	2.19	2.49	5.22	1.74	92.85	6.09	2.12	2.25	39.59
1922	2.23	7.41	3.26	1.28	3.01	3.21	2.40	3.08	10.40	5.10	3.64	5.19	49.21
1923	2.43	1.43	2.22	6.19	2.34	2.56	5.46	1.45	2.17	2.09	1.67	.90	31.96
1924	3.57	5.59	4.01	3.62	2.33	1.68	4.58	3.18	1.75	2.10	3.97	5.99	42.37
1925	.01	2.34	1.74	3.55	2.15	6.91	2.05	2.18	3.92	3.15	2.12	2.26	32.33
1926	4.69	3.34	3.47	-	-	-	-	-	-	-	-	-	-

LOWELL, MASS. (Proprietors of Locks and Canals).
Lat. 42°28'50", Long. 71°19'50". Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1855	-	-	-	8.39	5.51	1.30	4.99	1.06	3.84	4.76	2.42	0.48	-
1856	5.89	4.21	5.55	3.51	1.26	1.37	3.49	5.89	2.18	1.86	12.42	4.78	52.41
1857	2.52	2.53	4.16	3.42	3.45	2.75	3.77	2.76	2.99	5.35	3.33	3.01	48.04
1858	5.77	2.40	5.04	2.58	1.78	1.52	4.21	3.53	5.40	3.24	3.42	3.58	42.47
1859	1.10	1.26	4.11	4.99	3.80	6.66	2.90	3.43	6.18	1.20	3.43	3.94	45.00
1860	2.18	3.08	6.61	.80	2.44	2.14	1.09	1.85	4.84	6.55	4.30	9.96	45.84
1861	2.50	3.71	6.49	5.15	2.53	4.57	4.39	4.06	1.94	3.09	4.77	2.04	45.24
1862	3.79	3.62	3.00	6.02	2.68	5.20	2.22	1.90	5.77	5.20	2.55	2.18	44.13
1863	3.52	5.08	2.29	4.05	3.20	4.96	6.75	1.96	1.61	10.25	6.86	2.90	53.19
1864	3.98	6.21	5.22	2.64	.98	8.42	3.59	2.81	1.07	1.82	2.54	2.80	42.28
1865	3.94	4.10	4.94	3.99	3.73	4.29	2.24	6.32	1.86	1.87	2.79	.56	40.53
1866	5.16	3.05	2.97	1.92	4.70	3.60	2.85	4.48	2.66	5.56	3.68	3.81	44.44
1867	1.64	2.71	3.74	4.66	3.85	5.09	2.65	3.74	3.26	4.62	9.66	.49	46.11
1868	3.37	2.72	1.75	3.51	1.20	3.35	5.57	9.03	4.45	.86	2.84	11.63	50.28
1869	.97	4.70	1.45	3.23	6.02	5.64	1.48	5.42	4.44	1.29	1.58	4.33	41.05
1870	6.98	2.68	5.47	7.09	4.86	5.79	6.48	2.05	4.44	1.98	3.40	1.52	52.64
1871	5.08	2.89	3.13	1.92	2.72	3.78	3.35	3.94	4.67	3.38	5.45	1.13	41.44
1872	4.56	6.91	2.55	2.09	2.41	3.77	1.75	3.37	5.72	3.51	9.45	4.22	50.22
1873	3.29	4.74	4.24	5.21	3.38	5.30	2.97	3.72	.37	3.73	4.01	4.31	43.32
1874	4.52	5.01	3.87	3.82	3.07	1.35	6.75	3.75	3.01	6.29	6.79	1.72	49.95
1875	1.32	2.60	1.28	3.02	3.22	4.87	3.48	3.26	4.59	2.63	4.65	3.33	38.25
1876	5.14	4.41	1.03	2.11	4.59	8.12	4.78	3.13	2.79	7.11	.27	4.18	47.66
1877	1.94	4.22	4.32	2.95	.89	6.45	4.03	3.08	2.34	2.81	4.76	.25	37.94
1878	6.27	6.79	.75	5.28	5.31	4.35	8.14	.59	3.05	2.19	10.77	.89	54.38
1879	5.28	6.71	5.92	2.48	3.76	5.01	4.03	2.28	5.71	4.28	6.18	2.17	54.01
1880	1.43	3.56	4.46	4.36	3.94	3.00	2.58	2.68	1.70	6.52	3.16	1.54	38.55
1881	2.62	1.94	2.58	5.34	3.15	7.21	1.86	4.27	4.90	2.50	1.73	2.73	40.93
1882	1.96	4.28	4.25	4.53	5.77	3.02	1.67	4.90	2.79	1.68	.98	7.31	43.14
1883	2.31	1.01	2.03	2.93	3.40	1.88	1.90	4.64	2.04	3.58	.91	1.49	28.12
1884	5.29	1.73	2.62	4.94	5.70	5.01	4.11	3.68	3.06	3.20	3.98	.92	44.24
1885	1.94	2.33	5.15	4.86	4.10	1.02	3.61	3.59	4.29	6.03	6.10	1.58	44.60
1886	4.84	5.18	2.81	6.76	6.54	3.39	1.97	3.59	1.86	3.51	3.13	3.96	47.54
1887	2.76	4.90	4.45	5.72	5.18	4.74	4.05	1.64	2.61	5.42	10.93	2.23	54.65
1888	3.12	3.27	4.55	4.66	4.31	6.52	3.78	3.89	2.81	3.06	4.86	7.97	52.80
1889	6.78	5.98	5.21	5.04	1.71	1.99	3.63	3.89	2.59	6.10	3.98	3.27	50.27
1890	4.27	6.93	3.37	2.77	3.77	6.38	1.93	5.67	3.53	3.45	4.87	4.50	51.91
1891	7.71	1.58	4.47	7.04	4.84	6.00	3.56	2.29	3.66	3.17	2.14	1.79	48.25
1892	2.92	1.93	3.20	5.39	2.74	3.24	.63	5.86	4.44	2.32	4.30	1.97	38.94
1893	1.28	5.83	1.11	2.39	7.71	2.44	2.95	6.66	2.41	2.76	3.94	2.29	41.87
1894	3.82	1.93	5.46	3.35	3.50	1.27	3.76	4.36	.37	3.00	.92	3.03	34.77
1895	3.46	3.52	3.84	3.30	1.47	2.66	4.57	1.68	2.63	2.66	2.02	2.23	34.04
1896	6.67	8.16	2.68	2.24	4.95	6.53	1.34	2.32	2.68	3.79	2.76	9.69	53.81
1897	3.00	3.02	2.13	4.35	2.96	4.15	2.25	4.94	6.11	4.62	5.63	4.04	46.20
1898	.59	6.49	5.32	4.52	7.05	1.65	5.20	3.04	3.65	2.95	8.25	1.87	50.64
1899	6.85	6.45	2.74	4.37	5.02	7.95	1.50	2.10	2.71	4.12	2.11	3.66	49.58
1900	1.99	2.71	1.68	5.45	10.12	6.57	2.16	3.78	2.71	2.65	3.73	4.20	47.75
1901	3.33	6.18	3.01	1.72	1.06	5.76	10.57	7.68	1.49	4.78	3.27	3.28	52.13
1902	3.43	2.79	8.55	2.27	6.16	5.28	5.47	2.37	2.11	3.56	5.16	6.29	53.44
1903	5.29	.86	6.29	3.39	3.96	5.90	2.69	.82	9.18	2.62	3.68	1.74	47.42
1904	4.46	1.53	3.01	4.54	2.48	2.65	9.32	2.98	4.00	1.83	3.21	5.51	45.52
1905	1.28	1.51	2.33	6.96	1.70	3.71	2.15	1.29	5.18	.59	4.50	6.39	37.59
1906	1.33	2.25	3.86	2.43	2.59	5.97	3.00	6.00	4.80	5.95	3.47	1.43	43.08
1907	2.38	3.08	4.22	2.77	2.39	2.15	3.64	2.58	3.03	4.37	1.36	9.52	40.49
1908	4.49	5.77	4.43	3.20	4.96	2.71	1.95	4.18	.93	3.04	4.29	.34	40.29
1909	2.57	1.14	3.03	4.17	5.79	3.51	5.53	3.11	2.13	2.52	2.46	4.21	40.17
1910	1.20	2.65	4.08	4.41	5.87	.74	2.57	1.31	4.37	1.93	3.21	2.04	34.33

PRECIPITATION RECORDS

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LOWELL, MASS. (Proprietors of Locks and Canals)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1911	1.18	3.47	2.15	2.66	2.88	3.51	1.99	.81	2.47	3.25	5.75	2.59	32.81
1912	3.42	3.57	3.53	2.90	2.65	5.51	5.92	5.09	2.28	5.51	2.23	2.33	40.92
1913	2.23	3.09	4.37	2.72	2.80	5.00	3.01	3.49	2.13	1.21	2.87	3.72	36.64
1914	6.77	2.18	3.59	3.42	4.44	4.98	5.90	5.54	1.66	2.77	3.61	.12	41.98
1915	1.17	2.58	3.21	4.53	3.52	.01	2.24	1.79	1.94	11.71	7.60	.99	41.29
1916	2.98	3.23	5.65	1.56	6.10	3.68	5.47	4.29	7.20	6.17	2.25	3.66	52.24
1917	1.05	2.53	3.16	2.73	2.54	4.42	2.87	4.18	5.25	1.68	3.69	1.37	35.47
1918	5.04	1.12	3.66	3.37	2.25	2.78	2.99	2.86	2.71	2.88	2.06	7.71	38.93
1919	.89	2.24	3.19	3.29	3.00	4.09	2.75	6.17	1.98	3.24	2.96	4.25	38.05
1920	2.94	6.10	1.85	2.54	6.53	4.60	6.24	3.36	4.69	2.85	2.78	6.46	50.94
1921	.78	5.12	5.94	2.14	3.31	2.39	5.94	1.93	2.85	6.40	2.06	2.32	41.18
1922	2.30	8.82	2.35	2.44	3.02	4.82	2.37	5.31	10.40	5.59	3.79	5.41	56.62
1923	2.76	1.45	3.17	7.22	2.06	3.08	6.08	1.62	2.38	2.26	1.77	1.05	34.90
1924	4.46	6.30	4.84	4.35	2.86	2.96	5.89	2.99	1.82	2.06	4.32	5.97	48.82
1925	.04	2.54	1.89	3.88	2.40	7.27	2.61	2.54	3.99	3.38	2.67	2.38	35.39
1926	5.02	3.64	4.33	2.78	5.35	2.97	2.15	1.74	1.98	2.04	4.66	1.11	37.77
1927	4.26	4.82	3.91	2.69	4.07	1.41	1.61	2.62	2.29	4.16	8.56	4.21	44.61
1928	4.58	5.81	5.13	2.57	3.32	2.20	5.11	2.47	5.33	4.93	6.71	4.42	52.68
1929	2.82	2.27	2.74	3.42	4.35	3.61	6.18	4.20	2.24	.85	1.59	1.88	35.15
1930	2.47	2.41	3.52	2.62	1.89	3.61	1.70	2.80	1.80	3.62	2.44	.98	29.86
1931	4.03	3.60	2.07	3.55	2.42	4.85	3.30	2.73	6.69	3.08	4.62	1.50	42.44
1932	2.64	1.17	4.03	4.58	2.67	4.93	2.12	1.15	1.21	2.75	3.50	8.77	39.52
1933	5.45	5.25	1.70	2.65	4.05	7.08	6.22	2.25	1.34	2.28	4.32	10.14	52.73
1934	3.98	1.17	4.18	3.07	4.10	5.10	3.28	3.75	4.10	1.90	1.55	7.58	43.76
1935	3.16	2.80	2.71	7.33	3.36	1.66	3.90	1.27	6.24	2.36	1.23	5.13	41.15
1936	.83	5.17	1.33	7.82	3.11	7.30	3.50	1.81	3.16	3.55	4.34	2.11	43.85
1937	3.86	1.59	7.58	4.79	2.35	4.12	4.91	3.58	4.06	.91	2.48	2.82	42.85
1938	3.97	5.75	4.04	3.72	2.33	2.15	5.75	5.08	6.65	12.81	3.90	9.26	51.58
1939	1.95	3.39	3.64	2.01	3.37	4.42	4.32	1.49	2.36	1.17	2.82	2.27	33.21
1940	4.55	.83	3.15	2.49	5.19	3.69	5.21	4.52	2.49	2.94	2.18	2.59	39.63
1941	1.07	7.19	3.56	3.31	2.22	2.65	.97	2.54	1.99	2.70	3.52	.58	32.10
1942	2.26	3.05	4.16	3.48	3.05	7.69	1.84	3.15	4.13	5.96	1.81	2.54	43.22
1943	2.77	5.38	6.49	4.09	1.57	3.78	3.33	5.23	2.38	6.12	2.26	1.11	44.96
1944	5.00	4.64	.85	2.62	2.36	4.48	3.90	1.78	6.08	1.85	2.47	6.69	42.72
1945	1.70	5.35	3.29	3.38	4.73	1.78	2.75	5.68	5.11	3.95	3.14	1.58	42.44

LUDLOW, MASS. (Ludlow Reservoir, Springfield Water Works.) (a)

Lat. 42°12'00", Long. 72°26'00". Elevation, 410 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1875	-	-	-	-	-	-	-	-	3.99	4.69	7.46	3.17	-
1876	3.65	4.03	1.29	2.03	4.97	6.16	2.52	2.64	2.13	4.88	1.24	3.03	38.57
1877	.53	2.75	.34	2.52	6.36	5.84	2.44	.92	3.07	7.04	2.22	.54	28.57
1878	7.74	4.17	1.28	3.53	2.59	3.64	5.37	1.60	5.94	2.71	2.47	2.26	43.10
1879	2.83	5.00	4.86	1.95	3.65	4.42	3.53	3.12	5.66	3.45	6.36	3.15	47.98
1880	1.27	2.49	4.43	3.85	2.27	2.66	2.93	2.05	1.82	6.44	3.36	1.80	35.37
1881	3.00	1.78	1.70	4.02	3.97	3.99	1.68	4.64	3.89	3.79	3.45	1.17	37.08
1882	3.11	3.86	5.22	4.44	3.08	2.54	1.37	5.22	4.71	1.26	1.40	9.88	46.09
1883	2.12	1.45	2.28	2.45	3.88	1.61	2.05	4.25	4.59	3.62	1.87	2.76	32.49
1884	5.28	1.20	2.26	3.58	4.49	4.76	1.71	2.54	2.92	5.77	6.28	1.29	42.08
1885	2.56	3.55	4.91	3.92	2.84	1.11	2.74	2.30	2.18	2.22	8.38	.96	37.67
1886	3.64	4.94	4.27	4.52	4.77	3.72	1.98	4.38	1.70	5.19	2.89	4.69	46.79
1887	3.44	5.03	3.20	5.62	4.85	4.92	2.76	.85	5.58	5.67	7.30	1.45	50.47
1888	2.05	3.44	4.31	3.49	4.65	7.65	3.11	4.76	3.88	2.85	4.16	9.34	53.69
1889	5.65	5.08	4.60	3.97	1.97	2.09	2.73	3.57	4.37	9.05	2.38	4.04	49.50
1890	5.08	5.85	3.79	3.17	4.52	6.21	2.23	5.56	2.97	5.65	5.91	7.03	57.87
1891	6.22	1.51	3.41	7.87	4.70	2.99	2.87	1.73	3.83	5.84	3.32	1.77	46.06
1892	3.73	3.00	4.85	6.60	2.15	2.85	.85	6.73	3.67	5.92	6.22	1.80	48.27
1893	.80	5.82	2.15	3.40	6.50	3.75	3.80	5.26	5.73	1.77	3.10	2.42	42.50
1894	4.16	1.82	4.56	2.32	2.37	1.12	2.00	3.29	2.01	2.03	.84	3.42	29.74
1895	3.98	4.07	2.11	2.10	1.06	2.41	6.17	2.05	2.85	6.35	2.90	3.75	39.80
1896	8.65	5.06	3.83	.92	3.74	5.23	1.40	2.60	2.45	5.73	1.32	5.27	44.20
1897	3.68	2.35	1.41	2.77	2.25	3.27	2.75	4.74	5.21	13.12	4.32	1.86	47.73
1898	.93	6.49	5.77	6.12	2.95	2.22	4.21	4.65	3.05	4.67	8.30	3.20	52.56
1899	7.04	5.95	5.25	2.80	4.65	6.52	2.40	.85	4.10	5.05	1.49	4.24	48.14
1900	2.97	1.92	1.96	3.84	7.62	5.75	1.66	4.41	4.50	4.49	3.16	3.18	45.46
1901	4.23	5.88	2.71	1.79	.89	6.00	5.93	5.32	1.23	3.37	7.64	3.28	48.17
1902	4.84	1.57	8.35	1.78	2.70	4.30	3.71	1.72	3.23	3.81	4.50	4.91	45.42
1903	5.30	1.39	6.50	2.64	3.75	5.98	2.73	1.08	8.03	5.12	5.79	2.56	50.85
1904	2.33	2.86	2.29	3.04	2.65	3.68	5.53	2.75	4.70	2.90	5.15	6.29	44.17
1905	1.39	1.25	2.33	4.03	1.06	3.33	2.70	1.05	3.55	2.56	5.24	6.29	34.78
1906	1.48	1.95	3.15	2.58	2.01	5.20	2.91	5.22	3.57	7.68	3.43	3.72	42.90
1907	6.14	1.38	4.00	2.61	2.03	1.60	2.68	3.71	2.68	3.82	1.32	8.43	40.20
1908	5.89	3.81	3.28	2.43	2.57	5.27	2.29	3.65	1.78	4.42	6.07	.96	42.42
1909	1.19	1.04	2.41	2.47	4.60	2.65	5.75	2.14	1.69	8.41	2.20	5.15	34.70
1910	1.37	.92	2.09	5.08	.97	1.31	7.59	5.00	2.77	1.48	2.69	3.17	34.44
1911	1.15	3.82	2.02	2.62	1.91	3.47	2.04	1.52	1.25	4.49	7.33	3.68	35.30
1912	6.97	3.35	3.44	1.55	1.46	5.75	4.68	5.51	.49	2.43	3.15	1.62	40.40
1913	1.47	3.71	3.85	3.56	2.42	5.92	3.61	4.26	.98	1.33	3.84	2.62	37.57
1914	6.00	2.42	2.37	2.65	1.97	3.63	3.78	3.17	1.74	2.79	3.08	.42	34.02
1915	1.85	1.87	2.56	5.82	3.09	.07	1.80	1.61	1.73	6.81	5.73	1.98	34.90

LUDLOW, MASS. (Ludlow Reservoir, Springfield Water Works)^(a)—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	2.00	1.74	3.99	1.60	5.23	3.58	3.34	3.18	4.21	3.97	2.66	4.97	40.47
1917	1.14	2.57	3.51	2.18	2.77	2.63	1.34	3.06	3.64	1.83	4.67	.91	30.25
1918	4.58	.59	2.95	2.47	2.58	1.93	2.10	2.59	4.11	1.59	3.80	4.83	34.12
1919	1.32	1.99	2.21	1.84	3.37	3.65	2.18	2.91	2.13	6.24	1.64	5.27	34.75
1920	1.87	4.11	1.86	1.96	2.77	2.31	4.02	3.04	4.13	5.31	2.58	4.60	38.56
1921	.69	3.33	4.83	2.42	1.83	3.02	3.58	2.73	3.07	3.69	1.62	1.78	32.59
1922	1.70	3.77	2.06	1.87	2.24	3.12	3.18	3.76	3.17	8.73	4.78	2.98	45.53
1923	3.06	1.65	2.78	5.04	1.33	2.08	4.75	2.06	4.00	2.19	2.05	1.09	32.06
1924	5.54	4.99	5.67	2.96	1.76	1.12	4.61	2.65	2.18	2.06	3.62	3.75	39.12
1925	.14	2.73	2.19	2.01	3.29	4.62	3.05	2.42	4.96	5.04	1.53	3.29	35.27
1926	4.58	2.37	2.29	3.13	4.55	4.37	2.43	1.52	1.64	4.21	3.31	1.56	34.96
1927	5.22	5.79	2.48	2.96	2.26	1.98	2.32	4.67	2.91	4.59	9.38	1.66	46.22
1928	3.87	6.55	4.31	2.61	3.21	1.89	4.14	2.28	5.67	4.10	8.15	2.92	49.70
1929	.87	2.36	1.03	3.67	2.39	3.02	5.53	4.32	1.91	.62	1.96	3.89	31.57
1930	2.45	2.74	3.53	1.69	1.94	2.94	1.16	4.22	5.58	4.21	1.17	2.22	33.65
1931	2.91	2.95	1.52	2.44	1.43	3.13	2.26	6.31	4.09	2.95	4.15	2.88	37.00
1932	2.89	1.20	4.05	3.93	2.37	4.08	3.07	1.71	3.94	3.90	4.62	3.99	39.82
1933	3.61	3.96	1.61	2.56	3.43	4.46	4.65	2.33	2.64	1.56	5.77	8.64	45.53
1934	3.60	1.19	3.68	3.85	2.75	2.97	3.52	4.76	6.03	2.97	3.55	8.62	47.29
1935	2.44	3.18	2.35	4.56	2.23	1.73	2.58	2.93	4.80	2.68	.71	4.67	34.86
1936	.91	3.29	1.02	6.20	2.46	6.81	4.08	3.76	3.32	2.30	4.08	4.69	43.42
1937	2.27	1.96	6.08	4.98	2.34	3.00	3.72	5.22	6.00	2.14	6.68	3.80	48.19
1938	4.10	5.37	2.59	4.15	2.82	2.48	2.97	3.98	7.00	8.99	3.02	15.56	62.53
1939	2.50	2.48	3.32	4.20	3.97	3.58	4.56	.99	5.61	1.84	4.24	2.93	36.42
1940	5.30	1.00	3.81	2.06	2.37	4.94	5.77	5.25	2.20	5.13	1.55	2.68	42.06
1941	1.34	6.43	2.50	1.48	1.81	1.90	.82	2.49	3.58	4.54	3.69	1.10	31.68
1942	2.57	3.13	3.14	3.55	1.56	6.89	1.06	5.77	3.93	3.33	2.29	4.61	40.55
1943	3.57	5.76	3.13	2.08	1.63	3.19	3.51	6.76	3.64	5.71	1.45	1.18	43.61
1944	3.18	5.55	.75	1.24	2.21	3.53	4.59	1.23	6.95	1.66	4.03	7.16	42.08
1945	2.20	4.51	2.54	2.71	3.40	1.90	5.33	5.88	6.86	6.49	3.78	2.41	47.99

LYNN, MASS. (City Hall)
 Lat. 42°27'55", Long. 70°57'05". Elevation, 70 feet.
 (Gage removed to roof of Yard Service Building in 1925.)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1877	-	-	-	-	-	-	-	-	-	-	-	0.75	-
1878	10.45	9.08	0.99	6.48	5.61	7.59	6.90	0.71	2.40	3.69	7.08	2.33	63.31
1879	5.56	5.26	3.85	1.87	3.25	3.94	6.35	1.11	6.57	3.13	9.32	1.82	52.03
1880	.72	3.79	4.71	3.47	2.92	2.84	2.21	2.67	.95	5.78	3.19	1.53	34.78
1881	2.33	2.82	2.34	5.60	4.75	8.42	1.30	3.14	6.22	3.13	.61	2.43	43.09
1882	1.87	6.59	2.97	4.76	3.54	2.35	1.77	4.72	.93	1.76	.83	7.51	36.80
1883	1.77	1.16	1.84	-	-	-	-	-	-	-	-	-	-
1884	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	4.85	2.15	1.03	3.22	3.57	3.28	1.50	7.16	1.42	-
1886	5.85	5.20	1.85	4.89	6.69	3.05	1.82	3.41	1.44	3.48	3.44	3.07	44.13
1887	3.33	3.33	4.51	6.20	4.98	5.50	5.24	1.69	2.24	5.89	5.84	1.22	49.97
1888	2.92	3.09	4.05	3.09	2.20	4.41	2.81	5.30	2.06	2.32	5.93	8.04	46.22
1889	4.51	6.52	5.46	4.98	1.81	2.32	3.14	3.72	4.64	7.60	3.99	2.95	51.64
1890	3.94	5.75	2.35	1.82	3.05	5.62	2.19	5.43	2.80	2.17	2.89	4.80	42.81
1891	6.75	1.48	4.55	6.02	4.15	3.61	2.13	1.98	4.00	3.25	3.25	2.77	43.94
1892	5.13	2.22	3.39	4.02	2.13	1.93	.68	5.23	3.22	1.44	6.50	1.63	37.52
1893	2.56	4.67	1.12	1.43	4.93	2.03	2.72	5.42	3.43	1.73	9.54	1.47	41.05
1894	3.42	1.59	4.71	2.21	1.99	.86	2.68	4.43	.50	2.34	1.95	1.88	28.56
1895	5.00	2.70	3.28	3.13	.76	2.60	3.16	3.54	2.31	3.18	5.18	1.07	35.91
1896	9.72	5.34	1.69	2.02	4.44	3.91	1.57	2.16	2.29	2.43	2.21	5.53	43.31
1897	3.31	3.54	1.06	2.02	1.23	2.20	2.92	4.25	4.54	3.10	5.06	2.18	35.41
1898	.29	6.24	3.76	4.25	3.67	1.64	6.11	4.13	1.45	5.07	7.53	2.15	46.26
1899	7.25	4.69	2.42	-	-	-	-	-	-	-	-	-	-
1900	-	-	-	3.64	5.42	3.64	1.27	5.21	1.36	2.03	1.97	1.15	-
1901	3.22	3.69	1.85	1.49	.63	5.71	8.23	6.71	1.94	4.43	3.26	2.87	44.08
1902	2.74	2.75	6.74	1.32	5.50	3.42	4.09	.84	1.91	2.79	2.08	2.35	36.53
1903	4.55	1.39	3.54	3.16	2.49	5.19	3.95	.32	8.18	2.30	2.36	1.51	38.94
1904	3.51	1.21	1.89	3.08	2.09	2.07	8.38	4.23	2.77	1.12	2.11	5.03	37.47
1905	1.74	1.77	1.89	2.44	1.31	2.17	2.44	1.21	5.03	.76	2.04	4.14	26.94
1906	.50	2.04	3.05	1.81	2.30	4.66	2.37	4.26	4.02	3.85	1.92	2.08	32.86
1907	3.12	2.58	4.04	1.75	1.23	1.94	2.12	2.81	2.79	1.22	1.01	7.96	32.57
1908	2.42	6.05	3.69	2.03	3.77	3.09	2.26	3.23	.71	3.89	3.76	.62	35.49
1909	4.14	.89	2.15	3.55	4.39	3.58	5.90	1.53	4.00	2.61	3.07	4.66	38.14
1910	1.20	4.25	3.11	3.62	4.04	.85	1.97	1.12	4.52	1.20	.61	2.38	28.87
1911	1.02	3.27	1.59	2.33	2.34	2.93	2.31	.65	4.02	5.20	4.83	3.29	33.76
1912	2.47	3.72	3.17	2.74	2.38	4.53	2.98	4.71	.44	4.12	1.72	2.72	35.70
1913	1.47	2.42	4.34	2.30	2.86	4.10	4.61	3.31	1.52	3.05	3.17	2.52	35.67
1914	5.81	1.98	3.42	3.17	2.65	3.59	6.18	2.42	2.19	3.11	3.34	.47	38.33
1915	1.47	2.59	3.69	5.80	3.17	.01	1.95	1.96	4.37	9.07	6.38	2.16	42.62
1916	2.82	2.28	4.16	1.22	4.23	2.42	4.11	3.54	5.74	4.24	2.47	2.13	39.36
1917	.76	1.62	2.35	3.24	1.77	3.52	2.36	3.63	4.33	1.75	4.31	1.70	31.18
1918	4.71	1.03	1.99	2.78	3.28	1.32	4.37	.57	1.98	2.66	2.43	10.29	37.91
1919	1.01	1.79	3.95	2.93	3.13	4.09	2.54	4.98	.79	5.02	5.65	5.31	41.49
1920	2.79	5.02	1.56	2.39	4.98	3.49	5.73	5.35	6.60	1.69	2.10	2.99	44.49

PRECIPITATION RECORDS

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LYNN, MASS. (City Hall)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	.97	4.73	4.03	2.26	2.03	2.64	5.85	2.12	4.17	6.44	1.07	1.51	37.82
1922	1.00	5.94	2.48	1.42	2.68	5.22	1.23	5.14	9.77	4.17	4.11	4.09	47.35
1923	2.24	.85	3.04	5.98	1.41	2.28	5.14	1.31	2.25	2.72	3.12	.44	30.76
1924	3.13	3.14	3.75	3.98	2.39	1.56	3.57	3.64	3.21	1.50	7.16	7.59	44.44
1925	.06	2.52	1.60	2.78	2.15	5.94	2.45	2.40	4.09	3.19	1.53	2.41	30.92
1926	4.86	3.61	5.57	2.71	3.36	3.09	1.78	3.26	1.91	5.38	3.18	1.19	39.90
1927	3.95	3.73	3.07	2.15	2.83	1.52	1.80	2.67	2.79	4.06	6.86	2.52	37.75
1928	3.80	4.82	5.69	1.82	3.10	1.57	5.04	3.15	5.69	5.32	4.07	5.28	49.84
1929	3.07	2.00	2.91	-	-	-	-	-	-	-	-	-	-

LYNN, MASS. (City Yard Service Building).
Lat. 42°27'20", Long. 70°57'40". Elevation, 70 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1929	-	-	-	3.74	3.33	3.36	8.46	3.31	1.85	1.80	4.23	1.09	-
1930	2.69	3.14	4.60	2.68	2.54	3.05	1.66	3.66	2.45	7.35	2.87	.44	37.13
1931	5.26	6.00	2.93	3.73	3.83	4.55	3.48	4.70	7.72	2.20	4.22	1.46	50.08
1932	2.54	1.32	3.34	5.23	2.31	5.39	1.39	1.22	2.32	2.45	5.86	4.61	37.98
1933	7.53	4.88	1.62	2.56	4.11	7.71	7.54	2.45	1.28	2.59	3.27	9.30	54.84
1934	3.82	.88	3.76	3.51	4.11	5.81	2.49	2.17	3.95	1.74	2.18	5.53	39.95
1935	3.70	2.39	2.44	6.09	2.53	1.59	5.35	1.71	6.18	1.51	1.57	2.74	37.80
1936	.52	4.96	1.38	7.59	3.59	6.20	3.29	1.65	2.52	1.31	6.09	5.74	44.82
1937	1.41	1.25	8.00	4.18	1.01	3.16	4.97	2.67	3.56	.96	5.85	4.25	41.27
1938	4.14	4.31	4.95	3.68	2.37	2.58	2.38	3.99	5.75	11.50	3.32	6.82	56.07
1939	2.09	2.23	2.63	2.46	5.73	4.98	4.76	1.86	2.96	.91	1.73	2.65	33.09
1940	5.02	1.36	2.91	2.00	5.43	3.67	4.76	3.75	2.36	3.59	1.00	3.01	38.86
1941	1.04	6.31	2.65	3.92	1.24	2.56	1.41	2.22	3.86	3.01	3.60	.41	32.23
1942	2.09	2.91	3.34	3.90	4.12	7.36	1.46	1.74	2.88	2.86	2.84	2.16	37.66
1943	3.14	5.68	4.43	2.88	.89	3.88	2.65	4.69	1.73	3.66	1.93	1.75	37.81
1944	4.55	2.80	1.00	2.82	2.08	3.94	3.73	.50	4.20	2.20	4.28	5.46	37.56
1945	2.50	6.43	2.91	3.70	4.36	1.98	2.15	4.62	5.56	3.08	3.16	1.11	41.85

LYNN, MASS. (Water Works Pumping Station.).(a)
Lat. 42°28'10", Long. 70°58'20". Elevation, 40 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1872	-	-	-	-	-	-	-	-	-	3.78	9.58	4.63	-
1873	3.51	3.62	3.02	4.71	2.42	3.45	1.94	2.95	0.76	2.57	4.12	3.95	37.02
1874	4.28	4.74	3.57	2.04	3.60	1.46	6.62	3.62	2.83	2.91	4.89	1.68	42.24
1875	1.02	2.55	1.70	3.32	2.76	4.33	3.54	3.44	5.57	2.04	3.13	2.48	37.70
1876	4.46	3.98	.99	1.63	4.72	6.04	3.37	3.21	1.07	7.36	.55	3.67	41.25
1877	1.67	7.92	3.64	3.22	.84	8.28	3.85	1.94	2.39	3.17	3.79	.66	41.37
1878	9.20	7.56	.75	6.25	4.81	7.31	6.20	.98	2.35	3.61	8.45	1.98	59.45
1879	4.96	6.19	4.27	2.80	2.57	4.46	5.66	.97	5.70	2.83	6.46	1.94	48.61
1880	.77	2.90	3.98	2.84	3.43	3.25	2.46	3.16	1.33	7.24	3.46	1.86	36.68
1881	2.65	2.44	3.16	5.42	4.70	7.31	1.86	3.50	7.11	3.35	.89	3.00	45.38
1882	1.93	3.84	3.41	5.30	4.05	2.45	2.01	5.12	1.14	1.79	.69	8.51	40.24
1883	2.03	1.46	1.84	2.02	2.28	1.46	2.69	2.73	2.03	2.94	.96	1.10	23.64
1884	5.02	1.99	2.02	4.19	6.97	5.20	5.15	3.68	3.31	2.88	4.58	1.33	47.12
1885	2.78	2.90	4.78	5.41	2.60	1.30	3.53	4.01	3.37	1.62	7.71	1.42	41.43
1886	6.20	5.60	2.24	5.98	7.47	3.70	1.90	3.30	1.57	4.05	3.59	3.22	46.82
1887	3.77	3.96	5.75	6.20	4.98	5.50	5.24	1.69	2.24	5.89	5.84	1.22	52.28
1888	2.92	3.09	4.05	8.87	3.02	5.88	2.72	5.87	2.09	2.54	6.80	8.83	51.68
1889	5.40	8.13	5.46	6.45	2.36	3.19	3.56	4.51	4.74	6.75	5.03	3.43	60.99
1890	5.03	6.65	2.97	2.51	4.69	7.56	2.59	5.99	3.17	1.99	4.62	5.68	55.45
1891	7.36	1.34	5.39	6.42	5.12	4.51	2.40	2.29	3.83	3.38	2.91	2.43	47.38
1892	5.95	2.31	3.41	4.86	2.43	3.33	.65	5.53	3.56	1.62	6.95	1.65	42.25
1893	2.52	5.26	1.31	2.15	6.40	2.17	3.41	5.64	3.05	1.82	6.68	1.43	43.84
1894	3.21	1.79	5.51	2.84	2.74	1.11	3.33	4.91	.59	2.98	2.56	2.18	33.75
1895	5.79	3.34	4.25	3.72	1.11	3.05	3.35	3.21	3.23	3.15	4.55	1.27	40.02
1896	10.12	5.64	2.39	2.78	5.75	4.97	1.56	2.03	2.17	2.53	2.21	6.08	48.23
1897	3.33	5.87	1.22	2.37	1.88	2.39	2.49	3.98	4.70	3.25	4.25	2.14	35.87
1898	.32	6.05	4.25	5.97	3.31	2.01	6.15	4.22	1.55	3.71	8.25	2.41	49.66
1899	7.19	5.09	2.88	3.73	5.28	6.38	1.42	1.57	2.62	2.21	1.35	5.13	42.68
1900	2.53	1.99	1.64	3.95	5.84	3.38	1.64	5.21	1.26	1.95	1.62	3.79	34.80
1901	3.13	4.31	2.21	1.97	1.00	5.84	8.86	7.11	1.73	4.62	3.48	3.20	47.46
1902	2.82	2.61	8.16	2.00	6.95	4.41	4.23	.97	2.27	3.02	2.71	3.03	45.18
1903	4.81	1.47	5.59	3.83	4.37	3.18	4.52	.37	8.56	2.76	2.65	1.61	46.72
1904	4.08	1.41	2.34	3.54	2.65	3.36	7.67	4.70	2.97	1.43	2.67	5.87	42.69
1905	2.44	1.81	2.39	4.51	1.18	2.59	2.55	1.61	5.33	1.12	2.70	6.20	34.43
1906	1.13	2.09	3.70	2.58	2.65	6.60	1.92	4.26	4.13	3.58	1.99	1.89	36.51
1907	3.05	2.65	4.23	2.56	2.05	1.91	3.21	2.49	2.14	3.05	1.14	8.06	35.54
1908	2.21	5.00	3.58	2.11	2.57	2.65	1.55	2.92	.94	3.37	3.67	.50	31.07
1909	3.97	.90	2.02	4.42	3.70	2.60	3.30	1.47	3.36	2.39	2.96	3.84	34.93
1910	1.29	3.92	2.88	3.99	3.68	.93	1.65	1.24	3.67	1.46	.92	2.06	27.89
1911	.98	2.27	1.96	2.29	3.00	2.51	1.74	.43	2.82	5.01	3.76	2.69	29.46
1912	1.89	3.26	2.91	2.78	1.80	4.04	2.54	5.02	.28	4.04	1.72	2.83	33.11
1913	1.52	2.54	4.78	2.85	2.47	4.27	4.81	3.16	1.51	3.23	4.32	2.57	36.93
1914	6.59	2.32	3.22	5.47	2.80	3.98	6.23	2.70	4.20	3.04	3.40	.57	40.52
1915	1.56	2.71	3.07	5.60	3.57	.04	2.11	1.68	4.50	9.04	6.97	.99	41.64

HYDROLOGY OF MASSACHUSETTS

LYNN, MASS. (Water Works Pumping Station) (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	3.09	2.32	4.44	1.07	4.50	3.76	4.24	3.42	5.62	3.73	2.77	1.73	40.69
1917	.95	1.70	2.88	3.03	1.84	3.80	2.72	4.96	4.70	1.50	4.81	1.86	34.73
1918	5.02	1.07	2.04	2.74	3.04	2.10	4.35	.75	2.01	2.89	1.70	10.25	37.94
1919	.62	1.91	4.01	3.19	3.05	3.71	2.02	4.85	.79	4.58	5.16	5.80	39.69
1920	2.77	5.01	1.35	2.68	6.50	3.66	5.10	5.33	6.55	1.66	2.49	2.59	45.69
1921	1.34	5.46	2.92	2.07	3.00	3.31	5.89	1.87	4.05	6.69	1.11	1.62	39.33
1922	1.05	6.05	2.49	1.55	2.63	4.91	1.56	4.60	10.29	4.52	4.30	3.95	47.90
1923	2.19	1.42	3.65	6.61	1.87	2.77	5.43	1.54	2.25	2.69	3.28	.47	33.97
1924	2.90	3.25	4.87	3.85	1.80	2.50	3.23	2.75	3.17	1.57	6.47	7.27	43.63
1925	.11	2.53	1.63	3.79	2.11	5.56	2.51	2.11	3.78	3.24	1.54	2.88	31.79
1926	5.26	3.33	4.97	2.63	4.68	3.01	1.83	2.51	1.65	4.33	2.80	1.40	38.40
1927	3.97	3.54	3.56	2.86	3.19	1.30	1.39	2.73	2.41	4.08	6.53	2.59	38.05
1928	3.75	4.96	5.55	1.98	2.31	1.15	4.41	2.95	5.59	4.93	4.65	5.22	47.85
1929	2.97	1.90	2.98	3.31	3.62	3.00	7.95	3.03	1.58	1.78	4.55	1.25	37.92
1930	2.05	3.03	4.29	2.47	2.34	2.97	1.67	3.31	2.26	9.02	3.37	.49	37.27
1931	4.68	4.73	2.75	3.38	3.53	4.14	3.21	5.05	7.32	2.07	3.93	1.29	46.08
1932	2.42	1.99	3.43	5.27	1.84	4.82	1.64	1.29	2.09	2.80	6.45	5.09	39.13
1933	7.65	5.23	1.73	2.52	3.91	6.88	7.93	1.83	1.79	2.32	3.02	8.85	53.66
1934	3.68	.97	3.32	3.72	4.05	6.29	2.64	2.33	4.45	1.51	2.00	6.19	41.15
1935	3.94	2.47	2.48	6.86	3.68	1.85	5.23	1.76	6.10	1.66	1.17	3.34	40.54
1936	.42	5.04	1.22	8.11	3.58	6.84	3.09	2.05	2.52	1.39	5.76	5.58	45.60
1937	1.45	1.39	6.07	4.47	1.09	3.29	5.01	3.12	4.19	.86	4.75	3.81	41.49
1938	3.86	4.29	5.29	3.73	2.79	2.55	2.80	4.43	5.69	12.19	3.53	6.93	58.08
1939	2.00	2.58	2.79	2.78	3.73	5.22	4.76	2.32	2.87	.84	1.69	2.39	33.97
1940	4.85	1.32	2.87	1.79	4.92	3.52	4.57	3.98	2.47	3.78	1.21	3.11	38.39
1941	1.04	6.23	2.55	3.70	1.46	2.47	2.18	2.39	2.48	2.92	3.32	.47	31.21
1942	1.86	2.65	3.60	3.91	4.16	7.03	1.54	1.69	2.75	3.01	2.88	2.36	37.44
1943	3.12	5.66	4.42	3.37	1.24	4.72	2.77	4.94	2.29	3.46	2.16	1.72	39.87
1944	4.83	3.17	1.04	2.88	2.03	3.65	3.66	.64	4.11	2.81	4.71	5.97	39.50
1945	2.68	6.64	3.28	3.75	4.74	1.97	2.41	4.65	5.11	3.51	3.05	1.28	46.07

LYNN, MASS. (Sewage Pumping Station).
Lat. 42°27'25", Long. 70°56'50". Elevation, 18 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1932	-	-	-	5.08	1.54	5.46	1.67	1.01	2.37	2.19	4.58	4.29	-
1933	6.35	4.90	1.21	2.24	3.28	4.92	7.91	2.15	1.07	2.06	2.91	8.38	47.38
1934	3.43	.82	2.53	3.15	2.70	3.78	3.10	1.83	3.75	1.54	2.16	3.70	32.49
1935	3.45	2.35	2.11	6.35	2.94	1.68	5.59	1.66	5.35	1.15	1.34	2.61	36.58
1936	.28	4.80	1.08	5.46	1.34	5.50	2.93	1.63	2.10	1.08	4.39	3.76	34.35
1937	2.21	1.06	7.70	3.94	.97	3.30	5.33	2.59	3.18	.79	5.91	4.33	41.31
1938	4.26	4.73	5.00	3.97	1.97	2.82	3.03	4.61	5.65	11.56	3.18	4.93	55.71
1939	2.19	2.33	3.13	2.29	4.08	5.04	5.07	1.86	3.19	.79	1.67	1.44	33.08
1940	5.14	1.40	2.61	2.03	3.70	3.94	5.17	4.08	2.66	3.94	.89	3.11	38.77
1941	.69	6.02	2.15	3.31	1.70	3.09	2.29	2.74	3.42	3.04	1.99	1.75	32.19
1942	2.11	2.08	4.16	4.35	4.42	8.22	1.75	1.95	2.87	3.44	2.84	2.26	40.45
1943	2.97	5.59	4.24	2.57	1.25	4.84	2.88	4.74	1.64	3.84	2.07	1.42	39.05
1944	5.12	3.11	1.19	2.56	1.85	3.11	4.25	.60	4.55	2.14	3.69	6.16	38.33
1945	2.48	6.97	2.87	2.76	3.72	2.05	2.28	4.52	5.40	2.82	3.06	1.29	40.22

LYNNFIELD, MASS. (Diary of General Newhall.)
Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1842	-	-	-	1.13	3.12	2.50	2.88	2.50	6.50	2.25	4.00	3.50	-
1843	1.12	4.38	5.50	1.88	5.00	7.00	3.87	2.00	3.38	1.87	9.87	1.25	47.12
1844	5.00	3.00	3.75	4.00	2.25	4.13	.12	3.00	1.50	3.50	2.25	3.50	36.00
1845	5.75	2.88	3.75	4.00	4.38	2.62	1.25	2.44	2.75	2.88	1.81	2.75	36.76
1846	4.12	10.50	6.12	2.50	3.25	3.00	1.19	3.00	1.89	3.12	1.75	.13	40.06
1847	1.50	3.37	4.12	3.38	4.25	2.37	1.88	1.75	5.12	3.75	4.38	7.50	43.37
1848	1.13	3.62	3.37	4.13	4.62	4.38	1.50	5.97	2.63	1.75	2.12	3.88	39.00
1849	5.13	2.37	5.00	.62	1.37	4.63	1.37	4.25	1.75	1.25	5.25	1.88	34.87
1850	7.37	5.13	3.50	6.13	2.62	4.75	3.38	6.75	3.25	3.00	4.75	6.25	56.88
1851	2.50	3.75	4.97	1.63	4.37	2.25	8.25	3.25	2.50	2.13	2.62	2.00	40.12
1852	6.00	5.63	2.75	4.00	3.00	3.63	9.00	1.37	4.38	2.12	8.13	2.00	52.01
1853	2.87	4.62	2.25	3.50	6.00	1.75	3.38	5.50	.25	3.00	9.12	4.63	46.87
1854	4.00	5.25	4.62	2.63	4.75	4.00	5.87	3.50	2.63	3.00	.12	5.38	43.75
1855	2.87	7.00	4.00	8.00	4.25	1.13	5.12	.88	3.00	3.00	2.75	1.75	43.75
1856	2.75	4.37	5.50	3.75	1.06	1.13	3.00	5.25	3.12	2.38	13.25	5.75	51.31
1857	2.00	2.50	4.25	4.75	1.75	3.00	7.38	4.62	1.12	4.88	6.75	1.88	44.88
1858	4.38	2.12	4.62	3.00	2.63	1.75	4.75	2.62	6.25	3.75	7.87	5.00	48.74
1859	3.25	2.88	4.75	5.63	5.12	6.88	2.75	3.25	5.37	2.50	5.63	4.12	52.13
1860	2.75	3.63	7.00	1.13	2.75	2.75	1.12	1.88	5.00	6.00	3.50	7.37	44.88
1861	2.50	6.00	6.50	6.00	4.00	6.13	5.50	2.06	2.25	3.13	6.12	2.63	52.82
1862	2.37	4.58	1.62	7.00	3.38	3.12	1.75	2.13	5.12	7.75	2.13	4.12	44.87
1863	5.38	6.87	2.50	4.25	4.25	6.13	7.75	2.25	2.27	10.25	5.62	2.13	59.63
1864	3.25	6.97	5.50	3.38	1.12	7.13	4.12	2.00	.87	.75	3.50	2.75	40.24
1865	4.00	4.75	5.00	4.88	7.12	4.63	2.37	5.75	5.25	2.63	1.50	.25	48.13

PRECIPITATION RECORDS

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LYNNFIELD, MASS. (Diary of General Newhall)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1866	5.37	3.88	3.12	2.68	4.75	4.25	2.75	4.87	2.38	7.37	4.00	5.63	51.00
1867	1.37	3.25	2.75	3.75	5.75	5.13	2.50	4.00	2.25	5.75	9.12	.38	47.50
1868	7.00	1.75	2.25	4.38	1.25	3.50	5.50	9.25	2.00	.62	3.88	8.37	49.75
1869	1.38	5.12	2.00	3.75	6.50	7.00	1.75	5.25	3.00	1.88	1.12	3.58	42.13
1870	5.62	2.25	4.50	6.75	5.25	5.68	7.12	2.00	3.00	1.13	3.62	3.33	50.25
1871	3.37	3.87	3.75	2.38	3.00	3.00	2.75	3.25	4.62	2.38	3.00	1.25	36.62
1872	6.00	6.00	3.62	1.75	2.75	4.38	1.50	4.00	5.75	4.00	9.62	5.75	55.12
1873	3.63	4.37	4.00	5.50	2.88	3.37	2.50	4.00	.38	2.50	5.50	3.50	42.13
1874	4.75	4.80	4.75	4.75	3.63	1.62	6.25	4.13	2.62	3.13	5.12	1.62	48.88
1875	.87	3.00	1.50	4.75	3.50	5.00	4.00	3.00	6.63	1.75	2.37	3.50	40.87
1876	4.75	4.88	1.12	1.62	5.13	7.75	4.50	2.75	.63	7.25	.87	4.13	45.38
1877	1.62	6.25	4.37	5.13	1.12	7.50	3.63	2.75	1.62	2.63	4.62	.25	41.49
1878	8.00	7.75	7.75	6.63	6.62	4.38	5.75	.25	2.50	3.75	8.75	2.25	57.38
1879	5.12	5.58	4.75	-	-	-	-	-	-	-	-	-	-

MANCHESTER, MASS. (Water Works Pumping Station) (a)
Lat. 42°34'50", Long. 70°45'50". Elevation, 20 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	2.69	2.95	3.50	4.95	3.44	0.90	2.32	2.60	2.78	-
1914	6.24	2.24	3.44	3.99	3.19	3.87	5.94	2.69	1.86	2.77	2.49	.73	39.45
1915	1.42	3.64	3.99	5.73	3.03	.10	1.78	1.61	1.53	9.81	5.63	1.30	39.77
1916	3.64	3.16	4.58	1.34	4.26	3.75	6.33	3.21	6.41	4.17	2.41	2.52	45.58
1917	.91	2.58	3.11	3.47	2.11	3.77	6.45	4.67	5.80	1.17	4.72	2.20	37.76
1918	5.00	1.41	2.96	2.99	3.20	2.06	4.59	.68	2.56	3.18	2.27	9.03	39.93
1919	1.19	2.52	3.64	3.91	3.47	4.15	2.61	5.65	1.52	3.37	4.61	6.00	42.44
1920	3.01	5.74	1.79	2.17	6.98	3.76	5.54	4.45	6.39	1.19	1.30	4.43	46.75
1921	.98	5.28	3.76	2.20	2.81	2.72	5.52	2.56	3.12	9.06	1.80	2.47	42.20
1922	1.47	7.69	2.33	2.48	3.04	5.34	1.81	5.74	10.67	5.94	5.52	3.73	55.76
1923	2.75	.96	3.48	6.53	2.18	3.14	5.00	1.99	2.11	2.30	1.73	.16	32.33
1924	2.14	2.60	2.38	3.39	2.93	1.47	4.20	3.28	2.86	2.13	7.46	4.20	39.04
1925	.03	3.62	1.61	3.82	2.24	6.38	2.67	2.48	3.38	3.11	2.24	7.41	38.99
1926	6.02	3.73	6.55	2.93	4.64	2.79	1.96	2.36	2.06	2.53	2.94	1.47	39.98
1927	4.50	4.28	3.24	2.61	3.14	1.21	1.71	2.76	1.90	3.38	5.95	3.23	37.91
1928	4.07	4.21	3.48	1.81	3.04	1.44	2.39	4.89	4.72	3.68	2.57	5.00	43.34
1929	2.77	2.24	3.09	3.72	3.07	3.65	10.72	3.31	1.52	1.88	1.95	1.40	41.85
1930	2.93	2.61	4.08	2.45	2.48	3.08	1.33	4.05	1.57	4.05	3.25	.58	32.96
1931	4.91	5.66	2.88	4.45	3.68	5.16	3.50	4.65	7.55	2.26	5.34	1.77	51.81
1932	2.70	1.15	3.97	6.49	2.24	4.95	1.50	1.32	2.04	4.05	5.12	5.62	41.15
1933	6.92	4.31	1.89	2.72	3.70	6.67	8.81	3.93	1.19	2.12	2.59	9.50	54.35
1934	5.05	1.07	3.78	2.49	3.89	4.28	2.49	1.89	4.35	1.40	1.45	5.89	38.03
1935	3.25	3.08	2.18	7.48	3.35	1.16	5.10	1.46	6.66	1.92	4.40	3.11	43.15
1936	.51	5.23	1.13	6.79	2.67	6.24	3.57	1.49	3.77	3.11	3.67	5.05	43.53
1937	2.04	1.38	3.92	4.30	1.14	3.67	3.74	2.53	1.19	1.02	4.83	5.40	44.14
1938	4.59	4.82	3.70	2.99	3.14	3.34	3.14	4.09	6.62	10.24	2.06	7.62	56.35
1939	2.09	2.58	3.06	2.40	4.16	5.09	4.32	2.99	2.22	1.12	2.00	1.05	33.08
1940	4.57	1.47	3.25	2.12	5.29	4.21	5.64	3.48	2.13	3.79	.87	3.75	40.57
1941	3.91	6.50	2.70	4.42	1.81	2.89	2.21	3.04	2.40	2.14	2.91	.41	35.34
1942	2.24	2.53	3.42	3.65	4.22	6.33	1.56	2.49	3.93	4.39	4.81	2.15	41.72
1943	2.44	5.27	4.04	3.66	1.21	3.38	2.84	5.21	1.54	3.23	1.39	2.13	36.34
1944	5.24	4.03	1.23	3.00	2.02	3.26	3.64	.57	4.59	1.81	1.73	5.55	36.67
1945	2.14	7.22	3.89	3.64	4.35	1.91	2.65	4.14	5.84	3.67	3.50	1.43	44.38

MANSFIELD, MASS. (Water Works Pumping Station) (a)
Lat. 42°02'47", Long. 71°12'00". Elevation, 240 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	-	-	-	-	-	-	-	-	-	-	-	1.72	-
1922	0.88	7.01	2.46	1.83	3.08	4.48	1.98	4.91	8.80	3.84	5.49	3.53	48.29
1923	2.60	1.42	3.04	6.91	1.69	3.16	5.59	1.34	4.97	3.07	3.39	.83	38.01
1924	4.13	3.27	5.00	3.88	3.08	3.98	5.74	2.82	2.34	1.42	6.22	7.25	49.13
1925	.15	2.05	1.95	3.89	2.15	4.78	2.92	2.72	1.65	5.33	1.39	4.32	33.30
1926	4.23	4.43	4.41	3.25	5.34	3.05	2.21	3.71	1.61	3.43	5.05	1.29	42.01
1927	5.42	5.45	3.47	2.82	3.04	1.72	1.87	2.81	2.23	4.33	10.12	4.55	47.33
1928	4.87	4.08	5.68	2.38	3.80	2.03	5.00	2.24	5.06	4.53	1.69	4.99	46.35
1929	4.54	1.96	3.21	4.42	3.63	4.36	7.50	3.93	1.01	3.06	2.07	2.58	42.27
1930	2.93	3.42	4.75	3.23	2.87	3.21	1.74	3.32	2.01	3.46	2.13	.61	33.43
1931	5.01	4.37	2.91	3.46	2.72	7.02	3.36	4.44	7.84	3.87	5.23	1.16	51.39
1932	2.74	.85	3.16	5.20	2.40	6.28	1.76	2.31	2.70	2.31	5.33	5.65	40.69
1933	5.91	5.26	1.71	2.51	4.13	6.48	6.13	2.61	2.13	2.05	3.69	9.15	51.86
1934	3.67	1.24	4.26	4.14	4.32	4.28	3.23	2.96	3.99	1.17	2.23	4.93	40.42
1935	3.42	3.53	3.36	7.42	2.57	1.52	5.22	2.16	5.25	2.51	2.92	2.84	42.72
1936	.86	5.36	1.01	7.53	3.78	7.64	3.97	1.85	2.50	1.01	4.38	6.42	46.31
1937	1.53	1.59	9.51	4.82	1.97	3.85	5.56	3.05	4.39	2.16	6.06	3.54	48.14
1938	4.15	5.36	3.72	4.47	2.75	2.80	2.05	4.34	8.70	9.18	2.63	6.36	57.36
1939	2.37	3.61	3.25	2.57	4.35	4.93	4.49	1.04	2.90	1.63	4.14	1.99	37.85
1940	5.12	1.24	3.01	2.60	5.41	4.13	5.98	4.14	2.17	3.63	1.49	3.07	41.99
1941	1.21	7.50	2.57	3.20	2.45	2.30	1.94	2.28	4.10	5.20	2.80	.50	35.85
1942	1.64	2.64	3.04	4.01	2.60	6.92	1.06	1.84	3.44	6.51	3.77	2.07	39.54
1943	3.84	4.26	4.82	4.13	1.05	2.53	4.01	4.85	2.78	4.02	2.54	1.59	40.42
1944	4.16	3.67	.51	1.93	2.04	4.61	4.06	.48	4.40	2.04	.98	9.62	38.50
1945	3.71	7.35	3.36	3.23	4.84	2.34	2.74	5.11	7.06	5.02	3.21	3.17	51.14

MANSFIELD, MASS.
Elevation, 150 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1888	-	-	-	4.21	3.78	6.88	2.51	5.19	2.23	2.60	7.00	9.80	-
1889	5.41	10.18	5.44	6.21	2.48	1.96	4.70	4.41	5.72	10.60	4.16	5.25	64.52
1890	5.62	6.50	3.45	4.15	3.80	8.45	4.40	6.54	3.26	2.00	4.79	4.77	57.71
1891	7.59	.95	5.02	8.20	6.61	5.63	3.07	1.03	3.66	3.86	3.52	3.20	52.54
1892	5.84	3.08	4.62	5.56	2.43	3.67	1.45	6.32	3.11	2.13	3.30	2.35	43.88
1893	2.78	5.61	1.44	3.01	7.76	3.68	4.72	5.88	2.79	1.81	5.74	2.86	48.08
1894	5.23	2.71	5.93	3.79	4.61	1.64	3.62	5.04	.51	3.40	2.02	3.80	42.30
1895	7.27	4.39	5.47	5.81	1.20	3.74	6.45	3.76	3.07	3.94	3.06	3.53	51.79
1896	8.92	7.49	3.25	2.92	6.03	5.16	1.27	2.51	3.71	1.91	2.00	10.85	56.02
1897	2.78	4.00	2.76	5.08	3.29	3.46	3.54	5.17	3.49	5.24	4.93	3.74	47.58
1898	.66	8.06	4.60	4.55	5.75	3.35	6.96	4.70	1.76	9.56	8.25	3.98	61.96
1899	7.95	7.60	3.16	-	-	-	-	-	-	-	-	-	-

MARLBOROUGH, MASS. (Water Works Pumping Station) (a)
Lat. 42°20'30", Long. 71°34'10". Elevation, 450 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1900	-	-	-	55.03	51.73	53.43	52.59	53.79	3.01	2.96	2.42	3.74	-
1901	3.04	6.37	2.23	1.65	1.21	5.71	8.00	7.40	1.22	5.14	3.66	3.19	48.92
1902	3.03	2.86	8.31	1.97	4.96	4.52	3.80	2.14	2.26	3.51	3.55	4.28	45.09
1903	4.56	1.03	5.66	3.08	3.69	6.60	2.71	1.23	10.85	2.40	3.18	2.88	47.87
1904	4.40	1.76	2.82	3.58	2.06	2.17	8.16	2.76	2.86	2.32	3.75	4.79	41.43
1905	1.26	1.34	2.50	4.23	1.64	2.99	2.67	1.15	5.24	6.24	2.76	6.37	38.49
1906	1.34	2.04	3.31	2.28	2.58	4.88	2.53	6.07	2.91	6.62	3.71	2.71	40.98
1907	2.83	2.75	3.75	2.60	1.23	1.75	2.49	3.05	3.27	1.74	1.21	8.69	35.58
1908	4.58	5.26	4.06	3.20	3.68	2.67	2.12	5.08	.86	3.53	6.49	.87	42.40
1909	2.68	1.00	2.51	4.68	5.33	3.31	4.62	2.64	2.01	2.67	2.94	4.45	37.52
1910	1.18	2.85	2.65	3.26	3.79	1.07	2.52	1.36	3.94	1.28	2.20	2.89	30.59
1911	1.99	4.09	1.91	2.72	2.27	3.22	2.27	.64	3.10	3.07	4.97	2.87	33.12
1912	3.94	4.52	3.41	2.42	2.46	5.63	4.45	5.61	.33	2.20	2.71	1.76	39.44
1913	2.29	3.33	4.54	2.42	3.15	5.61	4.28	4.25	1.27	2.37	1.81	4.50	39.82
1914	5.90	2.76	2.65	2.18	3.32	4.13	4.07	2.69	1.83	4.52	4.78	.19	39.00
1915	1.73	3.12	2.62	5.21	3.06	.03	1.30	1.60	2.76	8.79	2.91	1.03	34.16
1916	3.41	2.70	4.23	1.11	4.58	2.95	4.07	3.47	5.36	4.35	1.81	2.40	40.44
1917	1.38	2.77	2.74	2.68	2.43	3.61	1.67	4.54	4.35	.98	5.05	2.28	34.46
1918	5.49	.96	2.99	2.98	2.42	2.76	3.05	2.24	3.72	4.03	2.32	8.80	41.57
1919	1.21	2.56	2.51	4.23	2.94	4.30	2.60	4.43	3.26	4.78	2.81	4.30	40.48
1920	2.04	5.44	1.84	2.01	4.14	3.16	5.18	3.67	6.08	2.49	2.18	3.71	41.94
1921	.85	5.37	4.30	2.27	2.75	1.37	3.37	5.03	2.97	7.16	1.70	2.10	39.24
1922	1.43	8.40	2.54	1.78	2.75	4.30	2.39	5.13	8.95	4.08	5.66	3.63	51.04
1923	2.36	1.53	3.28	5.97	1.37	2.24	5.37	.98	4.79	2.08	2.34	1.24	33.55
1924	5.94	6.04	4.65	3.27	2.31	2.12	2.68	3.47	1.34	2.51	4.75	4.71	43.79
1925	.11	2.53	1.54	5.58	2.39	5.43	3.40	2.05	4.07	3.70	2.41	2.76	33.97
1926	4.08	3.11	5.39	2.09	5.77	2.27	2.93	1.95	2.04	3.54	3.70	1.30	38.07
1927	3.44	4.58	3.54	2.31	2.77	1.27	2.05	3.68	2.22	3.89	9.70	3.44	42.99
1928	5.68	10.33	5.13	2.19	1.90	1.52	5.12	2.13	5.62	3.28	3.86	3.57	52.33
1929	2.60	1.38	3.16	3.16	3.52	2.91	6.33	4.18	2.65	1.12	2.10	1.15	34.06
1930	2.48	2.93	3.40	2.11	1.94	3.99	1.68	3.24	.75	3.80	1.65	1.26	29.23
1931	4.09	3.12	2.40	3.05	2.46	4.92	2.56	3.40	7.24	1.88	5.43	1.68	42.23
1932	2.37	.59	3.90	4.23	2.12	4.62	2.00	1.45	2.70	2.32	4.19	10.78	41.27
1933	7.19	4.73	1.43	2.22	3.20	6.04	5.57	1.53	1.55	1.56	3.49	10.70	49.21
1934	3.27	.83	3.29	3.41	3.26	2.54	5.13	4.06	4.15	2.35	2.98	8.63	43.90
1935	2.65	1.75	3.19	5.65	2.71	1.74	3.91	1.66	6.91	1.51	2.64	3.62	37.94
1936	.38	4.96	.94	7.05	3.01	9.42	2.69	2.72	2.48	1.18	4.54	3.55	42.92
1937	3.70	1.06	7.77	4.28	2.13	3.35	4.38	3.42	4.52	1.33	3.61	3.14	42.67
1938	3.87	5.98	3.18	3.57	1.92	1.02	2.62	3.74	8.15	10.75	4.96	16.05	65.81
1939	.79	3.06	3.10	1.99	2.90	3.44	4.31	1.59	2.89	2.21	3.68	1.71	31.67
1940	2.85	.99	1.64	1.95	2.20	2.45	5.30	1.76	2.72	4.66	2.07	3.20	31.79
1941	1.42	5.48	1.96	2.23	1.94	1.78	1.21	1.69	4.04	2.54	3.15	.60	27.94
1942	2.03	2.69	3.04	3.71	2.61	5.81	1.38	2.39	3.50	6.50	2.74	1.97	38.37
1943	3.12	5.16	6.34	2.56	.98	3.49	3.55	4.74	3.94	4.19	1.57	.79	40.23
1944	5.59	4.30	.89	1.56	1.85	3.73	3.91	.73	4.75	1.58	.66	4.76	34.40
1945	1.89	5.61	2.95	2.36	2.97	2.25	3.16	5.33	6.90	3.44	3.57	1.40	41.83

MEDFORD, MASS. (Medford Water Works.)
Elevation, 17 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1884	-	-	-	4.70	6.24	3.18	4.49	2.14	3.28	3.84	4.60	0.75	-
1885	2.87	2.61	4.69	5.53	3.53	.98	3.39	3.73	2.94	1.92	5.98	1.82	40.77
1886	6.04	6.13	2.10	6.82	7.21	3.73	1.81	2.99	2.93	2.98	2.67	3.17	48.88
1887	2.65	3.83	4.74	6.03	4.87	4.75	3.55	1.57	2.02	4.45	3.67	1.23	43.16
1888	3.16	2.96	3.72	3.80	3.25	4.53	2.82	4.96	2.21	2.28	6.72	7.79	48.18
1889	4.73	6.30	4.94	5.47	1.71	1.60	4.12	4.46	3.51	8.46	4.06	4.90	54.28
1890	4.31	6.22	2.20	2.51	3.35	6.13	2.48	5.71	3.53	2.07	3.64	3.49	45.64
1891	8.92	1.36	4.14	6.32	4.44	5.35	2.37	2.46	4.20	3.14	3.45	3.06	49.21
1892	3.40	2.33	2.42	6.82	2.53	3.06	.84	5.58	3.33	1.59	6.34	1.89	38.00
1893	1.94	4.62	1.34	2.00	5.63	1.72	3.51	6.42	2.15	1.55	5.32	2.01	38.21
1894	4.11	2.15	4.89	3.07	3.01	.95	-	-	-	-	-	-	-

PRECIPITATION RECORDS

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WENDELL, MASS. (b)
Lat. 42°06', Long. 71°34'.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	2.29	3.21	3.00	5.05	3.84	3.12	4.50	1.10	2.34	-
1941	-	6.36	2.31	2.61	2.35	2.24	1.23	2.52	4.42	4.94	2.21	1.78	-
1942	1.71	2.67	3.19	4.65	2.62	7.53	.88	2.03	3.45	4.80	2.71	1.47	37.71
1943	3.17	-	-	-	1.24	4.15	3.59	4.64	-	4.65	.85	.59	-
1944	4.53	3.11	1.12	1.35	1.68	4.51	4.08	.76	4.13	-	-	9.60	-
1945	2.43	5.86	2.98	2.44	3.38	1.81	2.98	5.01	6.41	3.73	3.84	1.31	42.18

MIDDLEBOROUGH, MASS. (a)
Lat. 41°53'00", Long. 70°54'30". Elevation, 53 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	-	-	-	-	-	-	-	-	-	1.99	3.24	2.28	-
1887	3.48	4.25	6.37	5.21	4.06	5.17	5.49	2.76	3.08	3.23	5.07	.98	49.15
1888	2.65	2.33	3.62	3.80	3.59	5.63	2.11	5.01	1.76	3.88	5.66	9.44	49.70
1889	3.56	10.23	4.14	6.15	2.56	2.38	4.47	4.05	2.42	6.74	5.39	3.82	55.71
1890	4.68	6.69	2.35	2.77	2.90	8.69	2.98	5.03	3.52	1.48	3.38	7.52	51.79
1891	10.55	1.11	4.08	7.90	5.69	4.90	3.69	2.19	1.85	2.19	3.22	1.97	49.34
1892	5.70	3.04	3.45	4.15	2.50	4.52	1.94	4.76	2.84	1.55	4.43	2.54	41.32
1893	1.65	6.62	1.32	3.43	6.51	5.55	3.41	4.35	3.96	1.62	5.21	2.42	46.05
1894	3.26	2.67	5.56	4.62	4.74	1.22	3.40	4.48	.61	1.20	1.84	3.22	36.82
1895	7.68	4.22	4.91	2.99	1.56	5.16	4.95	3.56	2.26	1.88	2.94	1.88	41.79
1896	6.14	4.35	3.28	2.36	5.24	5.39	.98	2.66	3.62	2.01	2.66	8.17	46.86
1897	4.58	3.50	2.47	4.52	2.14	2.29	3.80	4.19	3.26	4.80	2.63	1.45	39.43
1898	.94	6.95	3.49	4.78	4.96	2.90	5.41	4.63	1.74	7.78	5.29	2.12	50.99
1899	8.79	7.12	2.48	5.35	6.81	6.53	1.88	1.52	3.96	2.99	1.75	7.12	58.30
1900	2.99	1.09	1.33	4.43	5.80	4.29	1.67	5.58	1.99	1.79	1.54	3.58	36.08
1901	4.68	3.95	2.52	2.20	1.20	7.38	7.30	7.57	1.88	2.58	2.43	3.70	47.39
1902	3.21	2.23	8.70	2.19	7.10	5.82	2.67	1.13	4.89	2.34	1.79	3.10	45.17
1903	5.02	1.64	6.08	3.94	4.94	7.02	4.17	1.49	3.38	2.33	3.56	6.88	43.23
1904	5.55	1.67	3.35	5.44	4.15	2.86	7.98	2.56	4.59	2.45	5.14	3.64	47.16
1905	1.60	2.13	4.12	3.55	1.72	2.40	2.05	1.29	7.26	5.33	2.77	1.59	39.61
1906	1.80	1.87	3.87	4.68	4.00	6.06	2.03	4.31	2.93	4.77	3.49	3.14	42.95
1907	2.91	2.33	3.78	3.09	3.83	2.17	3.58	3.47	2.26	1.09	1.47	8.51	38.49
1908	2.80	5.02	5.75	3.29	4.17	3.80	2.68	2.46	2.05	3.01	4.97	.91	41.01
1909	6.68	1.18	3.80	4.29	5.87	3.94	6.14	2.75	1.53	1.33	2.87	4.33	44.21
1910	1.73	3.33	3.28	4.88	4.38	1.70	2.06	2.63	4.64	2.23	1.59	2.00	34.45
1911	1.77	4.33	2.80	3.00	2.77	3.63	3.32	.97	1.51	4.62	3.30	2.96	34.98
1912	2.57	6.80	3.35	4.49	2.95	7.47	3.58	4.23	.36	2.15	3.09	1.19	42.26
1913	1.61	4.42	6.09	4.87	2.31	3.47	5.14	1.68	1.17	1.80	2.44	2.77	33.07
1914	11.77	2.47	3.84	3.29	2.71	3.88	2.94	2.31	.91	3.40	3.11	1.50	42.93
1915	2.27	3.51	5.02	8.57	4.12	.06	2.60	1.49	1.85	3.58	5.73	1.43	40.16
1916	3.14	1.86	4.91	1.57	4.51	2.68	4.60	4.15	4.71	8.71	1.41	1.49	43.76
1917	2.55	3.13	3.06	2.90	2.84	5.12	3.54	5.38	5.38	1.65	3.29	2.57	41.41
1918	5.57	.30	2.26	3.22	3.04	2.05	4.56	1.35	2.80	6.36	2.12	3.66	37.29
1919	.77	2.16	3.35	4.83	3.36	4.55	3.25	4.07	1.72	5.44	7.08	5.17	45.77
1920	1.97	3.95	2.29	3.04	5.61	4.40	4.81	4.69	6.67	2.47	2.48	2.86	45.24
1921	1.87	3.57	3.37	2.93	1.68	3.44	4.25	4.48	1.11	9.24	1.82	.87	38.81
1922	1.09	3.96	2.39	2.05	3.46	5.42	2.59	4.03	6.02	5.22	10.33	2.83	52.99
1923	3.10	1.84	3.26	6.85	1.96	4.12	5.71	1.24	3.13	2.15	.77	.26	37.87
1924	3.75	1.78	5.14	4.37	3.52	3.81	5.61	2.02	2.11	1.12	7.14	3.26	43.63
1925	.13	1.46	2.04	4.57	1.95	3.65	2.58	2.34	2.30	3.58	1.75	4.71	31.04
1926	4.09	4.09	3.83	2.68	5.78	3.09	1.89	2.97	2.84	3.26	2.23	1.67	38.42
1927	5.67	4.31	2.18	3.31	2.89	1.37	1.54	1.81	2.54	4.26	10.99	2.98	43.73
1928	2.97	4.78	4.97	2.89	3.96	2.76	4.07	1.40	4.53	4.11	1.70	4.34	42.48
1929	2.69	2.45	3.41	3.77	4.23	4.83	6.97	2.79	.53	2.72	4.05	4.96	43.50
1930	2.58	3.16	4.87	3.53	3.43	2.52	1.45	2.07	3.79	2.93	2.37	.52	32.77
1931	4.22	4.17	2.81	3.30	2.63	6.78	2.77	4.96	6.09	4.25	5.26	1.77	49.01
1932	3.28	.77	3.10	6.16	2.14	4.99	1.29	2.05	2.36	2.02	4.99	6.50	39.65
1933	5.60	7.68	2.11	2.43	3.84	6.11	8.59	2.09	1.73	2.68	2.39	12.78	58.03
1934	3.61	1.85	3.87	3.61	3.67	4.18	3.99	2.74	4.27	1.79	1.81	3.44	38.83
1935	3.58	2.97	3.37	5.88	3.08	1.96	5.22	1.79	3.87	4.75	1.60	3.74	41.61
1936	1.59	6.72	1.50	7.59	2.36	6.91	3.33	1.19	3.96	1.57	5.16	7.78	49.66
1937	2.51	1.18	10.41	4.36	1.22	3.46	5.17	2.46	3.34	.91	3.99	3.50	42.51
1938	4.67	5.68	4.69	4.14	2.95	2.41	2.69	3.83	8.44	6.52	1.70	5.80	58.32
1939	2.93	3.65	4.08	3.13	4.24	6.48	5.42	1.66	6.02	1.80	4.88	2.83	43.62
1940	5.40	1.45	2.42	2.79	5.71	4.03	7.58	4.78	1.57	3.98	.98	3.44	44.92
1941	1.72	7.64	2.71	3.85	2.38	2.64	2.15	3.18	5.70	4.03	3.27	.14	39.41
1942	2.63	2.24	3.27	4.42	2.87	7.86	.89	1.17	3.31	4.39	6.16	2.14	41.35
1943	4.17	5.29	3.89	3.84	1.75	2.94	3.53	4.91	1.74	1.14	3.69	1.58	41.47
1944	3.51	2.59	1.37	2.36	2.16	4.77	3.56	.45	3.41	1.35	1.79	6.67	33.99
1945	2.30	7.87	3.62	4.02	4.45	2.24	2.33	4.82	3.65	2.00	2.42	1.87	41.59

MIDDLEFIELD, MASS. (a)
Lat. 42°22'40", Long. 73°02'30". Elevation, 1,650 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	2.47	-	-	-	-	-	-	-	-	5.20	4.54	6.94	-
1921	1.48	4.85	5.00	2.09	4.82	4.66	5.11	1.77	2.69	6.86	5.04	3.32	42.39
1922	2.25	4.87	2.06	2.41	5.00	6.43	2.07	5.33	7.46	3.22	4.33	1.48	44.91
1923	3.58	1.33	4.05	4.90	2.33	.98	2.61	3.17	2.80	5.78	2.55	3.36	35.22
1924	6.46	4.80	3.97	4.01	2.16	1.33	5.37	4.76	1.52	2.30	3.42	8.56	48.66
1925	.09	3.98	2.64	3.64	3.61	3.65	3.63	3.31	4.00	6.40	2.02	4.10	41.07

HYDROLOGY OF MASSACHUSETTS

MIDDLEFIELD, MASS. (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	3.87	4.83	2.40	3.26	3.26	4.04	2.44	1.49	3.43	4.09	4.58	2.48	40.17
1927	4.88	5.24	2.59	3.50	2.62	2.37	1.59	4.84	4.10	7.85	4.45	2.72	47.55
1928	6.88	10.29	5.43	2.54	3.60	1.69	4.39	2.94	7.50	6.45	8.18	4.01	63.70
1929	.99	2.21	1.23	3.06	2.95	3.11	6.70	4.29	2.75	.94	3.20	2.19	23.62
1930	4.73	2.60	2.83	1.98	1.55	3.76	1.87	4.39	5.32	4.56	1.98	2.56	38.13
1931	1.44	4.06	1.28	2.16	1.41	3.04	2.13	6.86	4.43	4.28	3.13	3.63	37.85
1932	2.76	1.19	5.54	4.26	1.79	3.26	2.25	1.52	2.06	5.11	4.07	1.62	35.40
1933	5.56	6.49	1.79	2.47	3.72	4.47	5.31	2.86	3.77	2.79	8.59	11.70	59.42
1934	3.59	1.26	2.43	3.45	1.73	3.35	3.99	4.05	7.06	2.32	3.21	8.98	45.42
1935	2.41	4.27	2.99	4.02	2.06	1.81	1.49	3.22	5.47	5.71	.95	4.15	38.55
1936	1.35	5.23	1.46	5.11	1.67	9.92	4.42	3.12	2.84	2.14	5.55	6.04	48.85
1937	3.18	2.03	4.95	4.10	3.27	3.18	3.66	6.82	6.87	2.39	7.56	6.48	54.49
1938	6.95	5.47	2.90	4.65	2.00	2.07	2.72	3.88	9.95	8.96	4.58	13.60	67.73
1939	2.64	3.11	3.20	1.75	3.13	3.85	3.83	1.77	4.63	2.13	3.62	4.36	38.02
1940	4.70	1.16	2.75	2.27	3.22	4.83	4.72	7.76	3.57	2.40	2.82	2.66	42.86
1941	1.45	4.39	2.99	2.24	2.51	2.16	.42	3.52	5.99	5.62	6.28	1.55	39.12
1942	4.11	3.71	3.19	3.11	1.81	8.29	1.63	4.49	4.30	6.60	2.03	4.68	47.95
1943	5.18	5.44	5.47	2.27	1.30	2.67	2.35	6.67	4.06	5.81	2.93	1.21	45.56
1944	4.25	3.89	.53	1.51	1.66	3.90	3.56	1.28	5.30	4.33	1.58	3.92	35.71
1945	1.72	3.94	2.62	4.17	3.38	1.84	5.05	5.96	6.54	8.28	3.54	3.58	50.62

MIDDLETON, MASS. (Danvers Pumping Station) (b)
Lat. 42°35'45", Long. 71°01'15". Elevation, 97 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	-	3.40	6.28	2.36	4.53	2.87	2.11	2.01	1.81	1.87	2.82	1.30	-
1927	4.05	3.82	3.23	2.67	3.19	1.22	1.39	2.43	2.16	2.83	6.79	2.95	36.73
1928	4.13	4.14	4.93	2.09	3.37	1.33	4.95	2.58	6.75	3.87	2.96	5.39	46.49
1929	2.95	2.18	2.78	3.21	4.00	3.28	7.79	3.37	1.31	.75	2.99	2.54	37.15
1930	2.79	2.82	3.84	2.43	2.09	3.44	1.85	3.15	2.77	2.90	2.07	.58	30.73
1931	4.21	4.35	2.51	3.49	2.74	5.07	3.20	3.64	7.02	3.38	4.13	1.97	45.81
1932	2.45	1.08	3.72	4.69	1.37	4.85	1.62	1.23	1.95	1.94	5.80	5.69	37.26
1933	7.60	5.02	1.65	2.50	3.73	7.42	6.79	2.71	1.19	3.28	4.17	9.88	55.94
1934	8.57	.98	3.74	3.32	3.37	5.54	2.71	2.26	4.46	1.26	1.54	7.48	40.23
1935	3.33	2.10	2.54	7.25	3.23	1.65	5.21	1.26	5.87	1.90	1.28	3.70	39.32
1936	.52	5.03	1.10	7.83	3.36	7.01	3.26	1.79	2.14	2.41	4.25	4.49	43.19
1937	1.82	1.16	8.66	4.62	1.49	3.64	4.81	3.03	3.87	.81	3.50	4.15	41.56
1938	5.04	5.50	5.28	3.95	2.46	2.10	3.13	3.53	6.00	10.16	2.76	9.12	59.03
1939	2.51	2.99	3.08	1.99	2.84	3.82	4.62	3.12	2.57	.56	2.15	1.62	31.57
1940	4.59	.90	3.58	2.89	4.23	4.02	4.70	3.93	2.03	2.71	1.26	3.61	37.95
1941	.84	6.01	2.48	2.98	1.74	1.78	1.91	2.42	1.96	3.43	2.62	.34	28.41
1942	2.01	2.06	3.93	3.28	4.12	6.76	1.80	2.80	3.45	4.61	1.84	2.00	38.66
1943	2.91	4.21	5.15	3.19	1.05	3.25	2.33	4.85	1.52	4.26	1.74	.57	34.83
1944	4.77	3.97	.94	3.07	2.30	3.64	3.33	.54	5.05	2.71	1.84	5.97	38.13
1945	2.34	5.79	4.21	3.09	3.81	1.57	2.89	4.20	7.09	2.29	3.60	1.36	42.24

MILFORD, MASS. (Water Works Pumping Station) (a)
Lat. 42°09'40", Long. 71°30'45". Elevation, 275 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1915	-	-	-	1.79	3.48	0.00	1.17	2.12	0.93	8.69	5.00	0.91	-
1916	2.56	2.60	5.51	1.42	4.89	3.88	3.55	3.11	4.76	5.77	1.80	1.45	41.29
1917	1.37	2.36	2.75	3.67	2.41	4.10	1.71	5.09	3.99	1.07	5.98	2.62	37.12
1918	6.32	1.15	2.46	3.47	3.86	2.83	4.45	1.28	3.00	3.66	2.14	8.78	43.34
1919	.87	2.66	2.65	3.91	2.86	5.10	3.18	4.02	1.53	4.03	4.18	5.69	40.48
1920	2.41	4.15	1.94	2.56	4.92	4.22	4.74	3.36	5.74	2.67	2.15	2.12	40.78
1921	1.17	5.10	4.03	2.60	3.00	3.01	4.43	1.71	2.08	9.16	2.01	1.63	39.93
1922	1.03	6.80	2.34	1.52	2.57	5.55	.98	4.49	7.21	2.96	5.03	4.03	44.51
1923	2.39	1.33	3.38	5.94	1.49	2.92	5.79	.96	3.62	3.34	2.69	1.37	35.22
1924	5.43	5.53	4.97	3.66	2.37	1.78	5.60	2.93	1.91	2.77	5.79	5.64	48.58
1925	.17	2.41	1.68	2.00	1.72	4.14	2.30	2.57	4.08	3.49	.84	4.88	32.27
1926	4.14	3.16	4.41	2.04	4.35	3.02	1.90	2.04	1.55	3.72	5.05	1.29	36.67
1927	3.97	4.24	3.37	2.58	2.84	1.41	2.32	2.52	1.76	3.25	10.51	3.55	42.32
1928	5.25	8.08	5.02	2.27	2.57	1.74	4.79	2.06	5.22	3.31	4.45	2.41	47.17
1929	3.72	1.90	2.26	3.63	3.44	3.14	6.63	3.06	3.74	1.05	1.49	2.18	36.22
1930	2.84	2.84	3.61	2.66	2.34	3.67	2.40	2.35	1.62	2.98	1.89	.58	29.78
1931	4.10	3.36	2.12	3.27	2.48	4.23	2.93	4.23	8.77	2.40	4.24	1.24	43.94
1932	2.19	.77	2.42	4.79	1.83	5.23	1.94	1.16	2.43	1.64	5.84	10.09	40.43
1933	5.56	4.94	1.47	1.11	3.35	5.54	5.31	2.10	1.99	2.54	2.95	9.22	46.03
1934	3.10	1.09	3.76	3.86	2.25	3.60	4.48	3.52	4.55	1.88	2.31	8.16	42.56
1935	3.55	2.21	3.19	6.68	2.94	1.11	5.48	2.66	6.00	2.69	2.04	5.82	44.37
1936	.62	5.01	.91	7.56	3.56	7.02	3.18	1.67	2.76	2.52	6.89	6.46	47.96
1937	1.74	1.69	7.00	4.69	2.34	3.42	4.29	3.04	3.65	1.73	6.76	2.90	43.25
1938	3.66	6.32	3.46	3.98	2.08	2.71	2.52	4.70	8.78	14.52	2.59	9.20	64.52
1939	2.00	2.90	3.44	2.49	3.82	4.48	4.45	1.72	3.80	1.32	6.10	1.87	38.89
1940	4.94	1.16	2.95	2.50	4.14	3.47	4.89	4.83	3.93	4.06	1.45	2.24	40.56
1941	1.57	6.44	2.21	2.46	2.38	1.98	1.27	2.68	5.40	4.72	2.91	.42	34.54
1942	1.90	2.87	3.34	4.68	2.91	7.77	.99	2.40	3.53	5.91	2.70	1.90	40.90
1943	3.50	4.76	6.90	2.69	1.41	4.18	3.69	5.59	2.07	4.70	1.12	.98	41.59
1944	7.27	3.40	1.14	1.69	2.08	4.40	4.35	.76	4.01	1.55	1.78	8.51	40.94
1945	2.27	6.47	3.36	2.68	4.03	2.20	3.00	5.85	8.53	3.00	3.97	1.62	46.98

PRECIPITATION RECORDS

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MILLBURY, MASS. (b)
Lat. 42°12', Long. 71°45'. Elevation, 330 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1923	2.63	1.47	3.13	5.79	1.61	2.40	5.63	1.27	4.95	3.09	2.04	2.32	36.33
1924	5.26	4.35	5.26	3.51	2.04	2.99	1.86	4.40	1.65	3.55	6.28	3.50	44.63
1925	.87	2.48	1.28	3.99	3.00	4.53	2.13	1.76	4.81	2.64	2.71	2.14	51.84
1926	4.16	2.64	4.37	2.27	5.07	2.36	2.78	1.88	1.44	2.39	3.05	1.47	33.87
1927	3.33	5.37	3.83	2.96	2.71	1.14	2.07	2.85	2.56	3.42	7.22	2.53	39.99
1928	5.69	8.95	5.65	2.11	3.27	1.50	4.15	2.89	6.17	3.85	6.55	2.84	53.62
1929	1.92	1.18	2.89	3.55	3.51	1.76	6.41	3.57	2.10	.27	.66	2.85	30.67
1930	3.78	3.13	3.88	2.07	1.72	3.19	1.71	2.80	1.69	3.33	2.85	.99	31.14
1931	2.99	3.71	3.46	3.62	2.77	5.94	3.08	4.04	6.99	1.55	4.49	1.22	43.86
1932	2.06	1.00	2.95	4.68	2.35	4.80	2.23	1.50	4.59	2.31	5.09	7.96	41.32
1933	6.45	5.44	1.90	2.16	4.06	5.58	6.75	1.84	3.08	2.88	4.23	10.97	55.32
1934	3.85	1.29	3.66	3.88	3.70	2.85	5.34	4.57	5.02	3.69	1.97	8.38	46.20
1935	2.81	1.93	3.71	5.60	3.25	1.82	4.69	1.95	6.56	2.34	4.44	3.67	42.97
1936	.32	5.12	1.03	7.66	3.56	11.15	3.11	1.62	1.86	2.33	4.94	3.80	46.50
1937	3.99	1.92	8.33	4.69	2.35	3.61	4.83	3.50	4.07	3.02	3.75	4.10	48.16
1938	3.97	7.93	3.00	4.56	2.43	2.36	2.57	4.29	6.45	10.80	3.54	10.50	62.20
1939	2.32	3.10	3.25	2.87	3.54	5.26	4.07	1.28	3.60	2.16	5.00	1.91	38.36
1940	5.05	.80	3.46	2.51	4.23	3.76	5.70	2.96	4.77	4.38	1.42	3.68	42.72
1941	1.37	6.84	2.78	3.35	2.12	2.70	1.01	1.98	4.96	4.70	2.12	1.81	35.74
1942	1.75	3.15	3.10	2.91	3.96	7.28	1.35	2.09	3.87	5.89	2.10	1.46	38.91
1943	3.20	2.35	6.71	5.67	1.43	4.33	2.86	5.60	1.72	4.44	1.00	.34	40.65
1944	5.84	4.34	1.04	1.49	2.54	4.67	4.52	.78	4.69	1.92	1.00	.60	38.90
1945	2.49	4.66	3.09	3.58	3.62	2.43	3.23	5.35	6.34	2.79	3.30	1.56	42.44

MILLIS, MASS. (Water Works Pumping Station) (a)
Lat. 42°10'35", Long. 71°21'05". Elevation, 130 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	-	5.43	3.69	1.95	4.11	3.12	5.23	3.52	3.80	9.67	1.37	1.78	-
1922	1.14	7.80	2.58	1.89	3.10	95.40	1.47	4.97	9.51	3.59	4.97	4.99	51.41
1923	2.73	1.19	3.60	6.57	1.87	2.72	5.33	.90	3.53	3.69	2.33	1.35	35.81
1924	5.13	4.12	4.82	3.51	2.59	2.96	5.08	3.12	2.29	2.55	6.11	5.73	48.01
1925	.29	2.27	1.75	3.48	2.53	5.49	2.81	2.54	2.88	5.72	.97	4.20	34.93
1926	4.02	3.52	3.49	2.86	5.03	3.09	2.27	2.87	1.61	2.61	4.12	1.06	36.55
1927	3.95	3.88	4.27	3.24	3.23	1.31	2.12	2.84	1.54	3.87	10.80	3.12	44.27
1928	5.37	5.45	4.86	1.53	3.42	1.52	4.95	2.02	5.87	3.68	3.95	4.01	46.29
1929	4.01	1.84	2.87	3.20	2.60	2.37	7.30	3.15	1.65	1.05	1.95	2.02	34.01
1930	2.87	2.94	3.01	2.76	2.36	2.92	2.05	2.95	2.42	2.59	2.83	.54	30.24
1931	4.47	4.05	2.48	2.15	2.70	4.77	2.54	4.01	8.80	3.54	6.13	1.94	47.68
1932	2.17	.83	3.11	5.58	2.33	5.47	1.91	1.61	2.08	2.09	5.13	6.51	38.62
1933	5.80	5.04	1.77	1.69	2.90	7.29	6.10	2.40	1.94	3.33	3.50	9.63	51.59
1934	3.24	1.07	4.04	3.74	3.83	4.67	3.51	2.18	3.95	1.34	2.32	6.52	40.41
1935	3.70	2.96	2.69	7.17	3.52	1.70	4.83	2.14	4.75	2.49	1.59	2.75	40.09
1936	.60	4.56	.91	7.49	3.24	9.07	3.19	1.81	2.56	1.17	6.51	4.98	46.09
1937	1.77	1.45	8.82	4.25	1.16	4.72	4.52	2.87	4.27	1.36	7.77	3.23	45.99
1938	3.47	5.56	3.44	4.84	2.73	2.13	3.44	4.87	7.97	11.82	4.37	6.66	61.30
1939	2.34	3.14	2.98	2.26	4.05	3.72	4.20	1.52	3.31	1.92	5.34	1.55	35.33
1940	5.90	1.11	3.02	2.35	4.17	4.03	5.47	4.04	3.10	3.79	1.80	2.16	40.95
1941	1.53	6.65	3.00	4.34	2.02	2.04	.94	2.62	4.35	5.92	2.68	.36	36.45
1942	1.53	2.54	3.18	3.57	2.60	7.01	1.09	2.21	2.76	6.18	2.35	2.01	37.03
1943	3.82	4.57	5.86	3.25	1.35	4.43	3.88	5.25	1.81	5.95	.81	.70	41.68
1944	5.20	2.85	1.17	1.72	2.32	4.27	3.98	.59	5.18	2.27	3.57	7.70	40.52
1945	2.90	6.37	3.02	3.09	4.74	1.96	2.83	5.01	6.04	3.01	3.23	1.77	45.97

MILTON, MASS. (Blue Hill Observatory) (b)
Lat. 42°12'45", Long. 71°06'50". Elevation, 640 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	-	-	-	1.18	0.78	2.91	4.19	2.63	1.50	6.28	1.88	-
1886	5.92	4.35	2.20	5.17	8.29	3.05	2.16	3.94	1.52	2.26	3.95	3.08	45.89
1887	4.87	3.16	5.54	5.19	5.29	4.93	3.97	2.54	2.74	5.01	3.67	1.00	47.91
1888	2.69	2.55	4.14	3.52	2.95	6.02	2.07	3.91	1.79	1.48	6.38	9.58	47.08
1889	4.66	8.23	5.25	6.11	1.81	2.62	4.13	4.67	5.00	8.47	3.61	5.25	59.81
1890	5.20	5.49	2.24	2.63	2.96	7.44	2.67	5.77	1.85	1.55	3.07	7.49	49.36
1891	7.99	1.11	5.26	6.71	5.01	4.88	2.75	2.39	4.30	2.80	4.72	3.82	51.74
1892	5.90	2.92	4.07	4.64	1.93	3.40	.92	5.33	3.68	3.39	5.68	2.31	44.17
1893	2.20	5.02	1.25	2.42	6.71	4.05	3.05	4.49	2.99	2.48	6.88	1.99	45.19
1894	3.66	2.17	4.51	3.18	3.55	1.21	3.33	3.13	.74	2.98	2.39	2.69	33.52
1895	6.56	4.10	4.40	4.03	1.12	2.93	5.24	2.53	1.85	3.35	2.80	2.95	41.86
1896	7.93	8.95	2.51	2.71	4.45	5.95	1.32	2.75	3.41	3.56	2.96	10.23	56.73
1897	4.47	3.82	1.81	4.16	2.77	2.94	3.20	4.38	3.60	4.86	5.74	2.18	43.93
1898	.63	6.77	4.17	4.24	5.28	2.72	5.99	4.12	2.70	7.41	6.56	3.02	53.61
1899	7.16	7.19	2.30	5.28	4.09	6.45	1.54	1.11	2.25	4.21	1.27	7.57	50.42
1900	2.69	2.32	1.89	4.25	6.82	4.62	1.98	5.61	4.23	3.02	1.36	4.29	43.08
1901	4.06	5.44	2.46	2.05	1.04	7.36	7.31	5.96	1.65	6.15	2.90	4.75	51.13
1902	3.75	3.18	7.88	2.05	2.73	6.75	2.81	1.38	3.78	3.15	2.76	2.94	46.16
1903	4.54	1.33	5.49	4.29	4.92	7.20	3.86	1.28	6.46	2.94	4.66	1.74	48.41
1904	5.46	1.20	3.05	6.00	3.72	3.52	8.53	2.96	2.86	2.52	2.21	6.04	48.07
1905	2.72	1.90	3.21	4.98	1.89	2.83	3.35	1.63	4.56	2.33	3.64	6.31	39.35

MILTON, MASS. (Blue Hill Observatory) (b)---Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	1.66	2.25	4.02	3.27	3.27	6.04	2.50	5.30	1.83	6.49	2.06	4.18	42.87
1907	4.22	2.56	3.81	3.76	3.23	2.62	4.16	3.39	3.18	1.60	1.47	8.81	42.81
1908	3.40	6.46	5.49	3.96	4.08	3.92	1.87	4.16	1.25	4.67	3.68	1.03	44.07
1909	4.85	1.00	3.01	4.54	5.11	4.42	4.79	2.51	3.24	1.28	4.22	4.42	43.39
1910	1.46	3.82	3.80	6.32	4.43	1.82	2.50	1.37	3.80	1.75	1.73	2.06	34.86
1911	1.54	5.70	2.61	3.07	3.20	3.27	2.86	.89	4.76	4.55	6.70	3.36	42.51
1912	3.01	5.71	3.24	3.87	2.24	5.26	4.05	4.03	.55	4.16	3.05	1.71	40.86
1913	1.52	3.45	5.76	3.21	3.77	5.32	4.73	2.85	3.20	2.00	3.30	2.77	41.85
1914	7.62	2.70	3.66	4.30	3.52	4.20	5.51	2.95	1.75	3.38	4.59	.45	44.65
1915	2.03	3.06	4.56	7.39	4.30	.06	2.44	2.01	1.43	9.52	4.85	.74	42.86
1916	3.11	2.47	5.69	1.84	5.37	4.16	5.43	3.97	5.31	7.55	2.81	1.66	49.37
1917	1.81	1.88	3.71	3.32	3.15	5.03	3.18	5.86	4.77	.85	8.58	3.17	45.31
1918	6.88	.63	3.36	3.24	3.05	3.68	4.19	5.21	2.54	6.10	1.63	9.36	47.97
1919	1.15	2.19	4.42	4.20	3.59	5.52	3.17	5.62	2.58	5.51	7.29	7.28	52.60
1920	3.14	5.81	2.45	3.28	7.43	5.32	6.43	7.55	8.64	3.04	5.31	2.99	61.39
1921	2.23	6.81	4.78	3.69	3.95	2.93	5.10	5.20	4.53	10.43	2.44	1.80	55.59
1922	1.24	7.80	2.96	1.80	3.69	5.15	2.92	5.06	10.79	4.05	6.19	5.20	57.84
1923	2.62	1.42	4.12	8.06	2.17	2.36	6.11	1.24	3.49	3.92	1.73	.84	38.68
1924	4.84	3.34	6.30	3.85	3.30	2.84	5.07	3.83	1.98	1.99	8.00	7.48	52.90
1925	.22	2.17	1.93	4.71	2.25	6.35	3.49	2.95	2.93	6.62	1.85	4.29	39.82
1926	4.46	3.83	6.62	2.80	7.03	3.31	3.03	4.00	2.20	4.04	6.76	1.53	49.61
1927	4.89	4.80	4.50	3.15	3.87	1.59	1.80	3.29	2.20	4.50	10.72	4.17	49.48
1928	5.27	4.95	6.10	2.36	3.74	2.14	4.99	3.84	6.87	4.60	4.78	5.16	54.80
1929	3.27	1.91	3.18	4.43	4.68	3.70	8.71	5.62	4.03	3.19	3.14	1.40	43.26
1930	2.40	4.04	5.61	3.16	2.68	3.41	2.21	4.40	2.68	4.24	3.23	.72	38.78
1931	6.22	4.92	3.40	4.23	4.64	5.91	3.72	4.97	8.77	2.35	5.85	1.88	56.86
1932	2.63	1.01	3.32	5.25	1.82	5.74	2.04	1.60	2.90	2.41	4.62	6.12	39.46
1933	8.89	5.63	1.86	2.30	4.27	6.17	7.04	3.03	2.15	3.65	4.17	11.04	60.20
1934	3.88	1.10	3.89	3.86	4.12	3.40	4.93	2.12	4.72	1.41	2.20	5.40	41.13
1935	3.52	3.19	2.86	7.18	3.26	1.41	7.57	1.95	5.77	2.09	3.95	2.73	45.48
1936	.61	5.48	1.74	8.41	4.44	6.49	3.49	2.52	2.49	3.21	7.48	7.15	53.51
1937	2.87	1.58	9.01	4.43	1.74	3.80	5.37	3.25	3.49	.87	4.63	4.31	45.35
1938	5.06	5.86	3.78	5.05	3.14	2.45	2.69	4.96	9.03	11.82	3.39	6.38	63.41
1939	2.84	3.71	3.05	2.72	4.54	5.33	4.50	1.29	2.63	1.08	2.69	2.13	36.56
1940	6.04	1.61	3.19	2.59	8.69	4.08	5.57	3.73	3.14	3.93	2.16	3.03	45.56
1941	1.25	6.43	2.60	3.92	1.61	3.49	1.72	2.89	5.40	3.30	1.98	.84	35.43
1942	1.66	2.60	3.14	3.57	3.88	7.89	1.83	1.98	2.78	5.47	2.84	2.49	40.13
1943	3.18	5.37	5.06	4.42	1.65	3.63	3.07	4.91	1.98	2.92	1.48	1.33	38.98
1944	5.56	3.10	1.12	2.30	2.65	4.63	3.59	.50	5.22	3.29	1.35	8.36	41.67
1945	3.51	7.21	3.00	3.82	5.14	2.51	2.56	5.08	6.58	3.03	3.88	1.83	48.15

MONROE, MASS. (Monroe Bridge) (b)
Elevation, 840 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	-	-	-	e2.80	e2.24	e4.60	5.36	1.15	1.70	4.12	5.85	1.15	-
1915	1.83	2.38	3.11	4.64	4.89	.13	1.62	1.63	2.57	11.30	7.07	3.45	44.62
1916	3.27	2.46	4.08	2.89	4.75	3.36	3.73	4.55	4.65	4.70	2.89	4.79	46.12
1917	1.81	4.80	4.41	4.18	3.34	4.09	3.63	3.59	3.35	2.28	4.90	1.14	40.27
1918	6.91	1.03	2.82	2.61	3.74	3.31	2.10	4.43	5.28	1.98	1.79	6.31	39.89
1919	2.35	2.66	4.01	2.47	2.69	5.26	2.11	8.32	2.08	3.00	4.91	7.45	47.31
1920	3.90	5.12	2.10	1.90	2.95	3.41	5.94	2.06	5.68	4.19	4.72	4.02	45.99
1921	4.48	5.80	6.03	1.45	2.97	3.64	4.62	3.26	4.67	3.70	2.68	2.62	45.92
1922	3.51	7.26	1.84	2.29	3.18	5.39	4.30	5.21	8.09	2.08	7.25	2.30	52.70
1923	1.72	1.72	3.28	6.58	2.24	2.18	3.91	2.97	4.05	4.94	2.78	4.87	41.24
1924	6.50	3.31	5.44	4.75	2.30	1.15	5.50	4.16	1.23	2.32	4.51	4.39	45.56
1925	1.85	3.60	2.12	1.99	3.68	4.86	3.18	2.73	6.37	7.09	3.70	4.50	45.67
1926	3.59	4.34	3.59	1.55	2.36	2.64	3.36	.92	3.82	3.76	2.25	3.11	36.29
1927	5.27	5.12	2.28	2.72	3.62	2.84	1.37	3.75	4.23	4.20	3.20	2.34	40.94
1928	5.00	10.05	5.22	4.13	2.91	2.17	4.69	3.67	6.77	7.50	8.09	2.85	62.05
1929	.70	1.40	1.42	3.85	3.42	3.54	7.23	3.73	3.53	1.24	1.31	2.48	33.85
1930	3.19	2.98	3.34	2.56	1.29	4.89	1.71	-	-	-	-	-	-

MONSON, MASS. (a)
Lat. 42°06'15", Long. 72°18'30". Elevation, 370 feet.
(Prior to January 1926, Lat. 42°04'45", Long. 72°17'55". Elevation, 600 feet.)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	-	-	4.25	3.50	1.62	2.96	2.25	1.79	2.33	8.68	0.89	-
1886	3.49	5.31	3.39	4.63	5.69	3.55	1.95	3.17	2.10	3.54	4.90	2.58	44.30
1887	3.14	5.18	4.64	3.58	4.37	4.56	3.15	.79	4.11	6.27	7.88	1.48	51.37
1888	2.33	3.19	3.92	3.58	4.49	7.01	2.16	3.69	4.01	4.07	4.00	7.44	49.89
1889	4.95	5.25	6.21	3.94	4.13	4.02	2.87	1.95	3.16	8.12	2.76	2.72	50.08
1890	6.21	5.51	3.31	3.34	3.43	6.60	2.66	5.86	2.23	5.16	4.61	3.54	52.46
1891	5.81	.89	3.53	7.33	5.38	3.01	3.07	1.86	2.84	4.88	3.27	3.40	45.27
1892	4.18	2.36	4.20	5.15	1.57	2.55	.44	5.87	3.56	5.26	5.69	2.58	43.41
1893	1.08	5.22	1.32	2.71	7.45	3.31	3.60	5.51	3.68	2.09	3.24	3.39	42.60
1894	5.35	1.14	4.79	3.12	3.03	1.75	2.57	2.87	1.53	1.81	1.57	2.78	32.29
1895	3.81	4.17	2.60	2.66	.95	1.97	4.22	2.46	4.24	4.20	3.45	5.51	40.24

PRECIPITATION RECORDS

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MONSON, MASS. (a) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1896	7.25	4.87	4.25	1.79	6.14	5.52	1.75	2.90	3.10	4.85	2.03	6.20	50.45
1897	4.01	2.38	1.63	4.18	3.07	3.46	1.61	5.15	3.96	9.45	3.23	1.31	43.44
1898	1.07	7.21	5.70	5.26	3.95	2.85	3.94	3.66	3.35	6.14	10.00	3.50	58.53
1899	5.87	7.25	3.06	5.64	4.11	6.51	1.25	1.58	4.54	5.92	4.47	3.29	51.59
1900	1.81	2.57	2.52	4.51	7.58	5.88	2.36	4.90	5.18	4.53	3.54	2.08	47.46
1901	4.01	6.30	2.83	1.88	1.10	5.96	6.69	7.19	1.26	3.50	5.82	4.54	51.08
1902	3.53	2.36	10.06	2.30	3.26	5.46	3.52	2.61	4.69	5.59	4.30	4.43	52.11
1903	5.08	.98	7.20	2.38	5.94	6.73	3.21	1.07	5.88	2.44	4.14	3.49	46.49
1904	3.15	2.76	4.14	3.95	3.46	3.72	5.67	2.34	2.49	3.85	4.72	6.80	47.05
1905	1.97	1.86	2.70	4.32	1.59	4.56	2.56	1.16	6.00	1.88	4.92	7.01	40.53
1906	1.99	2.19	3.42	2.91	2.27	5.05	2.87	5.14	3.12	6.04	2.16	2.25	41.41
1907	5.47	2.19	3.80	2.80	2.11	1.61	3.05	4.11	2.38	2.65	1.50	9.79	41.26
1908	6.67	5.72	4.85	3.55	4.44	2.31	4.96	2.55	2.34	5.56	1.50	4.89	48.05
1909	1.73	1.10	3.00	3.44	5.23	4.08	5.74	3.57	61.45	61.38	64.58	94.74	40.04
1910	61.46	62.34	2.35	5.62	4.66	1.44	2.85	2.51	3.15	2.62	7.00	2.51	35.51
1911	1.05	3.97	2.39	3.15	2.45	3.85	2.55	.59	62.81	63.97	4.62	4.47	38.87
1926	-	-	-	2.69	4.41	3.30	2.49	2.15	2.10	5.01	4.50	1.75	-
1927	4.76	5.39	3.61	2.73	3.35	1.65	2.02	4.92	3.10	4.38	7.82	2.14	45.87
1928	4.52	7.16	5.98	2.26	4.16	2.16	4.75	1.65	4.94	7.40	6.13	2.60	58.71
1929	1.91	1.89	1.61	3.80	3.17	3.15	6.98	5.82	1.95	.54	1.91	3.07	35.80
1930	2.57	2.70	3.68	1.99	2.54	2.64	1.89	4.34	2.03	4.83	2.18	1.19	32.58
1931	2.31	2.91	1.94	2.55	2.05	4.65	2.50	5.45	3.98	2.69	6.18	1.41	38.62
1932	2.17	1.02	3.32	4.95	2.38	3.15	2.05	2.32	3.06	3.25	5.53	4.80	37.98
1933	5.44	4.38	2.15	2.04	4.03	4.47	5.95	2.42	2.17	2.19	6.65	8.02	49.91
1934	2.84	1.28	3.34	3.69	1.97	3.75	3.70	3.85	6.42	2.69	3.73	9.30	46.26
1935	2.86	3.68	3.31	5.17	3.15	2.27	3.05	2.59	6.40	5.72	1.22	4.53	43.95
1936	.77	3.73	.94	6.62	2.89	3.07	3.89	4.07	2.85	3.85	3.80	3.27	44.75
1937	4.47	1.99	3.70	4.96	1.86	3.43	4.18	2.83	5.12	3.13	4.41	4.29	49.57
1938	3.41	5.75	1.84	4.55	2.95	2.42	3.84	4.25	8.51	6.80	3.66	14.42	64.50
1939	1.80	3.71	3.04	2.08	4.25	3.36	4.35	7.70	3.25	1.49	6.78	3.04	39.86
1940	5.30	1.16	3.90	2.59	3.87	4.78	5.84	6.62	3.41	4.06	1.37	3.08	45.98
1941	1.84	6.14	2.30	2.30	2.27	1.91	.83	2.89	5.28	5.18	5.02	.76	36.67
1942	1.78	2.82	3.22	3.60	1.81	6.83	1.14	3.91	4.08	6.74	3.20	3.27	42.40
1943	4.14	6.21	5.36	2.81	1.06	3.53	3.64	5.78	3.32	5.21	1.08	8.22	42.96
1944	4.29	4.98	.79	1.26	1.63	3.54	4.15	.71	7.01	2.04	1.91	7.63	39.94
1945	2.02	4.80	2.82	2.53	3.56	2.08	3.96	5.26	6.84	5.67	7.56	1.52	48.62

MONTAGUE, MASS. (Lake Pleasant Pumping Station)
Elevation, 280 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1927	-	-	-	-	-	-	-	-	-	-	3.30	5.74	-
1928	4.36	5.02	2.89	5.00	1.70	1.92	2.82	3.49	7.40	6.71	3.01	13.25	57.57
1929	2.46	3.06	2.45	2.62	3.59	3.80	5.07	1.44	3.92	4.22	5.62	2.26	38.21
1940	3.32	.62	2.55	1.55	2.83	5.00	5.51	5.29	4.61	3.38	1.52	1.92	38.10
1941	1.13	5.96	3.28	2.44	1.55	1.79	.76	1.99	2.71	4.89	2.52	.84	29.86
1942	1.81	3.75	3.35	2.68	1.69	6.37	1.35	3.36	3.59	5.12	6.22	4.79	44.08
1943	4.13	4.61	5.14	2.58	1.53	3.20	3.67	6.58	2.20	3.88	2.76	1.93	42.21
1944	3.89	5.70	.51	1.56	2.30	3.92	3.88	1.78	5.60	7.24	2.48	5.04	43.90
1945	1.95	3.97	3.08	3.65	4.25	2.33	5.74	7.60	6.60	6.01	2.17	3.89	51.24

MONTAGUE, MASS. (Turners Falls Co., roof gage until 1937) (b)
Lat. 42°36'30", Long. 72°33'30". Elevation, 200 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1892	-	-	-	3.03	1.65	2.15	0.53	5.58	3.17	3.58	7.01	2.60	-
1893	0.52	5.17	1.00	2.70	4.52	3.85	3.12	4.65	2.77	1.65	4.13	1.42	35.50
1894	2.90	2.04	3.87	1.75	1.72	1.30	1.41	2.06	2.37	1.39	.69	4.86	26.36
1895	3.95	2.98	3.18	3.26	.51	2.15	2.78	1.83	2.59	4.55	3.17	3.41	34.36
1896	2.78	4.31	3.56	1.09	2.74	7.66	1.06	2.16	1.62	3.44	3.60	6.37	40.39
1897	2.98	3.50	.77	3.11	2.04	3.91	2.88	3.25	6.59	13.32	2.59	1.26	46.20
1898	1.48	4.77	5.74	5.79	1.86	1.30	3.25	4.26	2.73	2.46	5.68	3.73	43.05
1899	7.02	4.42	1.52	2.92	2.18	6.58	1.28	1.04	2.06	4.85	1.20	4.91	40.06
1900	1.12	2.03	2.04	3.83	6.52	1.32	5.22	2.20	2.21	2.10	2.56	2.10	33.25
1901	2.74	4.84	2.53	1.60	.38	5.28	5.82	4.96	2.22	5.27	7.35	2.95	45.94
1902	4.90	1.14	6.77	1.36	1.79	5.98	2.84	2.13	3.13	3.78	3.75	3.18	40.75
1903	3.96	.92	6.12	3.20	3.65	4.77	2.13	.44	7.92	3.43	4.08	1.33	41.95
1904	2.04	1.92	2.89	2.99	2.06	3.59	3.19	2.53	3.43	3.38	4.46	6.34	38.81
1905	1.92	.13	2.65	3.58	1.33	2.35	2.03	1.23	4.21	2.96	5.12	6.33	35.84
1906	1.73	2.10	3.50	2.05	2.28	4.25	2.47	6.03	3.55	4.90	4.38	2.25	39.49
1907	4.62	3.12	2.58	3.61	1.45	2.12	2.74	3.35	3.15	1.95	1.72	10.41	40.82
1908	4.83	5.02	3.79	2.87	4.62	3.21	2.17	5.36	1.87	3.97	6.15	1.11	44.97
1909	1.79	.66	2.88	5.05	6.22	3.31	4.56	3.69	3.11	1.68	4.53	5.26	42.74
1910	1.28	2.89	2.52	5.94	4.83	1.54	3.12	2.68	3.10	1.84	1.68	3.19	34.61
1911	1.01	3.55	2.08	2.58	2.26	4.44	2.02	1.62	2.60	2.72	6.64	3.63	35.15
1912	7.59	3.52	3.18	3.77	1.85	5.50	2.85	4.20	1.97	1.82	3.64	3.68	43.16
1913	2.21	4.11	4.16	3.61	2.53	5.35	2.79	3.77	1.87	1.02	2.47	2.83	35.52
1914	3.05	2.99	2.20	3.29	2.09	2.66	5.12	2.81	1.74	4.71	2.43	.40	33.49
1915	2.00	1.57	2.66	5.16	4.65	.22	2.75	1.67	2.24	8.84	10.06	1.63	43.45

HYDROLOGY OF MASSACHUSETTS

MONTAGUE, MASS. (Turners Falls Co.) (b)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	2.96	3.00	6.34	2.38	5.40	2.98	4.08	3.22	6.04	4.74	4.19	2.98	48.33
1917	1.41	2.91	3.46	2.94	2.35	2.98	1.87	4.79	6.23	2.59	3.48	.95	35.74
1918	6.83	.73	3.19	4.00	2.23	3.46	3.12	3.43	3.84	1.51	1.96	5.01	39.31
1919	1.44	2.22	3.27	2.25	2.58	5.37	1.82	5.85	.96	3.08	3.44	3.29	35.57
1920	2.39	5.72	1.83	2.46	4.88	3.15	6.18	2.72	6.26	2.41	4.50	5.11	47.61
1921	1.16	5.20	6.13	1.89	2.43	4.77	2.64	6.49	2.12	4.97	2.40	4.41	44.61
1922	1.69	7.27	2.10	1.96	2.88	6.58	3.41	6.27	7.05	1.80	3.17	1.98	45.66
1923	1.60	1.37	1.69	4.05	1.55	1.36	2.67	2.35	2.08	5.30	2.01	2.33	26.14
1924	4.20	4.30	3.45	3.10	1.13	.67	4.55	2.12	1.58	2.76	2.07	6.29	36.00
1925	.00	2.15	2.75	1.57	3.55	3.69	2.93	1.78	3.49	4.32	2.00	3.31	31.54
1926	2.84	2.90	2.07	3.06	4.13	2.57	2.28	1.17	2.07	1.73	2.41	1.53	28.76
1927	5.01	5.27	2.47	1.98	2.85	1.75	.95	3.56	3.25	4.54	4.40	1.65	37.51
1928	5.07	7.89	4.81	2.52	2.68	2.08	4.89	3.22	5.69	6.71	7.55	4.12	57.23
1929	.60	1.77	.86	3.25	3.23	3.08	5.93	4.06	2.71	.96	2.07	3.45	31.97
1930	2.17	2.11	3.05	2.29	.92	4.43	1.42	3.23	5.22	4.76	1.73	2.49	33.82
1931	2.39	3.29	1.14	2.50	1.63	2.97	2.76	7.38	4.25	2.68	4.17	2.70	37.86
1932	2.25	1.57	3.76	4.03	1.80	3.50	2.64	1.47	1.01	4.47	3.58	3.56	35.44
1933	4.54	5.99	1.77	2.13	3.08	4.44	5.63	1.97	1.48	2.20	7.85	6.18	47.50
1934	3.78	.97	2.62	3.08	2.06	3.16	4.17	3.46	2.18	3.68	3.48	8.86	44.48
1935	1.84	3.58	2.81	4.77	2.17	1.52	2.20	2.07	5.07	4.24	.83	4.97	36.07
1936	1.12	4.84	1.24	5.50	2.08	7.38	4.02	1.25	1.87	3.41	7.12	.88	40.71
1937	3.14	2.03	5.73	5.44	2.17	3.56	3.91	6.69	6.52	1.16	3.06	4.85	48.26
1938	4.55	5.61	2.39	5.43	2.04	2.11	2.26	3.56	6.75	8.42	2.12	12.94	58.18
1939	2.44	2.93	4.18	3.04	3.36	3.72	5.06	1.48	3.67	2.41	2.73	2.78	37.80
1940	4.19	.93	3.20	2.56	3.33	4.59	5.02	5.92	3.68	6.35	1.55	1.73	43.05
1941	1.12	6.08	3.25	2.41	1.82	1.82	.57	1.90	2.39	4.24	2.07	1.89	29.54
1942	1.93	4.28	3.85	2.26	2.03	6.57	1.16	4.80	2.87	4.85	4.39	5.29	46.28
1943	3.24	5.40	6.20	2.51	1.89	3.32	4.21	6.52	1.68	4.68	2.55	2.60	44.60
1944	4.51	6.03	.40	1.32	2.36	5.11	3.44	1.22	5.76	9.93	2.55	6.58	49.21
1945	1.75	3.73	2.59	3.91	3.89	2.61	6.04	7.77	6.73	5.19	3.26	3.29	50.86

MONTAGUE CITY, MASS. (b)

Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1937	-	1.93	-	-	-	3.89	4.72	6.72	-	-	-	6.35	-
1938	4.68	5.50	2.35	6.09	2.41	1.88	1.99	-	-	-	-	13.44	-
1939	2.58	3.22	4.02	2.68	2.93	4.15	4.57	1.70	-	-	-	2.19	-
1940	3.97	.87	3.29	2.72	3.29	4.81	5.06	3.82	5.80	4.88	1.67	1.66	41.84
1941	1.37	5.72	3.81	2.51	2.04	2.50	.72	2.03	2.36	3.31	1.68	1.85	29.90
1942	1.79	4.23	3.39	2.70	3.01	6.54	1.45	4.77	3.31	4.52	6.69	5.34	47.74
1943	2.87	6.03	5.96	2.68	1.84	3.40	3.77	7.19	1.95	5.71	2.88	2.20	46.48
1944	4.30	5.25	.57	1.07	2.25	5.23	3.79	1.50	5.71	5.60	1.49	6.58	43.22
1945	1.94	2.85	3.38	3.91	3.90	1.80	6.77	7.97	6.59	5.35	1.96	3.29	49.71

MONTGOMERY, MASS. (Westfield Water Works) (a)

Lat. 42°11'30", Long. 72°49'00". Elevation, 980 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1929	-	-	-	4.34	3.85	2.81	6.91	4.08	1.53	0.35	2.81	3.00	-
1930	4.93	3.03	3.69	2.06	1.52	4.05	2.48	4.61	7.20	4.06	1.86	2.30	41.82
1931	1.37	4.53	1.68	3.02	1.80	4.61	1.82	8.40	5.22	5.08	4.96	1.33	43.82
1932	2.47	.94	3.21	3.89	2.13	3.03	3.10	1.59	4.30	3.51	2.86	3.76	34.79
1933	7.06	8.55	1.46	2.70	3.10	5.36	5.86	1.73	3.81	2.29	7.13	8.61	57.66
1934	8.32	.92	3.33	3.80	2.30	2.52	6.32	4.71	6.07	1.78	5.78	11.40	57.25
1935	2.88	4.04	3.62	2.97	1.90	1.97	1.75	.87	5.03	3.13	.43	4.42	35.01
1936	1.31	4.38	1.17	5.75	3.32	10.28	4.00	2.07	1.99	1.26	5.95	4.92	46.40
1937	3.32	1.57	6.34	5.69	3.02	3.22	4.66	5.55	5.86	3.24	4.60	4.49	51.56
1938	6.56	7.44	2.77	5.48	1.91	2.43	2.61	4.27	9.06	8.95	3.07	11.75	66.50
1939	2.49	3.04	4.28	2.88	4.05	4.03	4.91	.92	3.35	3.50	6.40	2.96	42.61
1940	4.43	1.22	2.73	3.05	3.64	5.08	5.97	7.10	3.38	2.95	2.94	1.91	44.40
1941	1.31	6.23	2.60	2.44	3.32	1.71	.89	3.07	5.36	6.93	3.45	.89	38.20
1942	1.92	3.30	5.19	3.76	2.68	7.06	1.27	5.76	4.98	5.02	2.89	6.62	50.45
1943	5.46	5.96	6.93	5.21	1.62	4.07	3.73	7.26	4.48	7.08	1.36	3.25	54.41
1944	8.89	5.27	.77	1.75	2.27	5.20	4.53	.95	5.13	2.25	3.57	7.99	48.67
1945	2.82	5.97	4.20	3.31	3.80	2.42	6.08	8.19	6.75	6.21	3.88	5.30	60.93

NANTUCKET, MASS. (b)

Lat. 41°17', Long. 70°06'. Elevation, 45 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1847	-	-	-	0.90	-	3.00	0.45	1.25	4.79	2.31	1.55	4.41	-
1848	0.91	3.91	6.15	2.58	3.74	1.60	.45	4.43	1.67	1.70	.72	3.79	31.65
1849	6.54	3.25	4.13	.08	.50	2.67	1.36	2.03	2.69	2.74	.21	1.55	27.75
1850	6.87	3.60	2.78	6.69	2.99	8.87	2.85	5.17	2.42	1.01	2.27	2.57	48.09
1851	1.96	1.79	4.26	1.58	3.70	2.80	4.64	6.22	2.05	2.12	2.67	2.42	35.41
1852	6.15	3.90	4.37	5.59	.75	.33	7.52	3.17	1.08	1.78	4.46	2.93	42.53
1853	2.06	2.89	6.71	2.33	5.75	3.94	4.25	3.78	5.01	1.72	3.85	.94	45.28
1854	2.64	4.77	2.97	2.10	4.89	1.16	5.95	2.43	4.83	2.19	7.80	45.80	
1855	3.11	5.84	5.06	4.50	3.04	3.84	8.49	5.87	4.77	2.16	1.51	1.21	49.40

PRECIPITATION RECORDS

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NANTUCKET, MASS. (b) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1856	4.13	3.11	6.30	3.75	2.03	1.35	3.00	2.90	5.39	1.47	1.16	5.20	39.79
1857	2.03	3.61	5.81	6.75	2.21	3.97	5.96	4.87	2.90	3.07	7.03	2.51	48.72
1858	3.25	2.22	5.14	4.41	1.63	2.80	4.33	2.43	1.98	4.56	4.26	2.46	39.47
1859	3.58	5.71	5.76	7.96	4.27	4.65	5.01	4.15	5.68	2.77	3.45	3.30	52.29
1867	-	-	-	2.97	3.97	2.84	6.23	1.75	2.12	2.10	4.35	1.99	-
1868	1.81	2.54	4.60	3.48	1.50	3.14	1.43	7.87	1.51	3.68	.87	7.30	39.73
1869	4.99	6.49	3.45	5.03	4.23	5.46	4.02	2.26	3.45	2.92	11.05	3.12	56.47
1890	6.58	7.80	2.07	3.52	2.72	6.07	1.17	2.48	3.49	2.90	2.81	8.33	49.94
1891	6.72	.89	2.70	4.51	3.30	1.86	1.47	2.05	2.83	3.16	3.41	3.12	36.02
1892	4.96	1.02	3.14	2.23	1.46	5.88	2.76	2.57	1.81	.91	1.79	2.01	30.54
1893	1.66	7.63	1.67	2.06	3.90	4.35	4.73	2.68	2.26	1.45	4.40	2.24	39.03
1894	2.17	1.31	4.21	3.14	3.11	1.89	2.28	1.88	.81	.29	1.20	1.80	24.15
1895	10.05	2.80	5.83	3.91	1.56	4.41	2.52	4.92	1.29	4.06	4.46	1.69	47.50
1896	1.91	4.86	2.73	1.57	2.67	5.97	.62	2.35	2.43	4.12	1.38	2.06	32.87
1897	5.03	2.29	2.68	2.59	2.69	3.05	4.47	2.30	1.64	4.32	2.66	1.31	35.03
1898	1.63	3.90	3.17	2.76	1.87	2.56	2.97	3.53	.63	2.93	2.20	.83	28.98
1899	3.69	5.15	2.22	2.74	4.53	5.66	1.52	.77	2.08	1.99	2.08	1.88	34.31
1900	3.06	1.54	1.08	3.20	4.86	2.95	2.61	1.65	1.50	1.89	1.56	2.59	28.49
1901	2.57	3.96	1.88	3.03	1.33	4.74	3.71	4.92	1.43	1.16	2.60	2.11	33.44
1902	.44	.89	6.52	2.75	2.87	4.55	2.23	.74	6.34	1.76	.27	2.35	31.71
1903	4.25	1.96	5.90	3.02	3.32	3.53	3.04	.93	1.10	1.81	2.09	1.37	32.32
1904	3.33	3.82	2.97	5.98	3.86	2.11	4.08	2.89	2.38	2.09	2.25	.76	36.04
1905	1.01	3.29	4.67	5.70	2.16	3.12	1.57	2.62	6.50	4.02	4.93	4.07	43.66
1906	2.06	2.82	3.73	4.93	3.94	7.41	2.17	2.36	1.21	4.50	6.93	2.72	44.78
1907	2.33	1.84	4.58	5.33	1.12	4.62	2.90	4.23	2.17	3.32	1.76	4.35	40.55
1908	1.99	6.69	5.43	3.78	3.71	2.74	3.55	1.27	1.66	1.00	4.28	2.98	39.14
1909	4.97	.95	4.89	4.54	4.88	3.34	4.40	4.32	2.30	.98	1.72	3.71	41.00
1910	4.40	6.39	1.85	6.90	3.41	2.74	2.95	3.36	6.06	4.18	2.67	.61	45.52
1911	4.72	3.46	4.33	3.77	3.88	3.35	5.17	.82	2.56	3.20	8.03	3.34	46.63
1912	2.57	6.30	3.76	4.13	2.77	5.85	2.91	4.19	.14	4.89	2.87	2.25	42.63
1913	1.41	2.94	6.25	5.57	4.44	3.17	2.19	1.71	1.59	.58	3.26	7.76	40.87
1914	6.49	1.91	5.21	2.68	4.00	4.63	3.80	3.88	2.58	3.25	2.42	1.61	41.46
1915	2.15	2.32	6.73	6.34	3.32	.25	1.72	4.01	1.31	1.32	4.93	.85	35.25
1916	3.18	2.13	3.87	2.03	4.04	3.60	2.90	4.35	4.89	5.02	1.05	1.44	38.50
1917	1.92	2.55	3.24	2.68	2.96	5.85	4.21	4.22	7.69	3.32	1.56	2.37	42.57
1918	4.59	.62	2.13	2.71	2.22	2.42	3.84	1.44	3.19	1.47	1.62	2.06	28.31
1919	2.12	1.53	3.65	4.83	1.86	3.81	2.46	4.67	2.82	4.76	7.17	3.45	43.13
1920	4.25	4.20	3.67	3.84	7.00	3.46	3.86	4.15	3.58	1.98	4.43	1.18	45.60
1921	3.96	3.32	4.24	2.23	2.89	2.37	2.49	4.43	2.79	3.41	1.33	1.22	34.68
1922	2.13	5.25	2.40	3.58	4.91	6.24	2.90	3.44	2.61	5.05	8.40	.85	47.84
1923	5.34	.67	4.87	4.75	2.25	6.46	4.27	.37	1.27	3.48	1.90	1.01	36.84
1924	2.82	2.36	5.19	3.28	1.92	4.43	4.30	4.07	4.51	1.79	4.74	2.89	42.31
1925	.10	2.76	2.61	3.64	1.02	2.18	2.37	2.22	4.06	2.29	2.49	2.05	27.79
1926	4.60	3.18	2.73	2.84	3.99	2.23	2.11	2.93	2.53	3.53	2.56	.83	34.06
1927	6.86	3.05	3.22	3.03	3.52	2.14	1.27	1.64	2.76	6.55	7.79	2.58	44.41
1928	1.91	3.11	5.49	3.22	4.81	3.22	3.49	3.13	4.34	3.50	.57	6.98	43.77
1929	.61	4.24	3.61	3.02	5.76	4.66	6.26	4.10	.41	1.18	3.18	5.38	42.43
1930	2.22	3.86	4.13	4.42	3.41	3.05	1.01	2.03	.49	2.16	1.79	.15	28.72
1931	3.28	7.01	5.14	3.23	3.30	6.30	3.69	4.24	6.55	5.88	3.49	2.84	54.95
1932	5.57	1.68	6.30	1.80	4.52	1.27	2.66	3.58	.66	1.54	3.51	36.92	38.86
1933	7.66	4.72	3.06	2.73	7.72	7.34	4.79	1.62	4.78	1.01	3.99	7.54	53.96
1934	8.31	2.80	5.05	3.30	4.22	3.22	2.73	2.23	2.33	.86	2.21	3.37	40.63
1935	4.89	2.54	3.48	5.19	2.99	2.71	3.83	2.41	6.09	5.73	2.15	5.21	47.22
1936	2.76	5.40	2.97	4.92	2.71	4.27	2.21	.87	3.59	1.58	2.84	4.15	38.27
1937	4.28	1.81	7.04	4.09	1.30	3.03	5.29	2.16	4.74	1.26	3.39	4.27	42.66
1938	4.37	3.36	2.76	4.39	3.01	3.53	5.72	2.91	6.24	2.00	3.02	9.55	50.86
1939	3.79	3.84	5.80	5.89	5.38	7.27	3.52	1.36	2.94	2.29	4.41	1.08	47.37
1940	4.56	1.19	2.05	2.37	5.22	2.39	4.97	1.52	1.90	2.35	2.17	5.23	35.92
1941	2.06	5.22	3.29	3.45	1.81	3.83	4.79	1.92	5.90	5.46	4.17	.49	42.39
1942	3.80	2.02	2.58	4.24	2.74	7.42	.80	2.11	1.62	2.18	7.12	2.46	39.20
1943	3.70	3.40	4.56	4.48	3.76	4.57	2.82	4.00	1.33	4.10	4.03	3.54	44.29
1944	3.72	3.50	1.10	3.58	2.38	6.46	4.23	1.26	2.62	1.04	.57	2.67	33.13
1945	2.39	8.76	3.39	4.38	5.07	1.84	1.80	3.44	5.65	3.97	1.72	.69	43.10

NATICK, MASS. (Lake Cochituate) (b),(c)
Lat. 42°18'30", Long. 71°22'40". Elevation, 140 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1852	-	-	-	5.80	1.76	4.42	9.60	2.60	2.00	2.16	8.27	2.04	-
1853	3.40	2.76	3.12	3.68	6.56	2.92	3.80	6.32	.56	2.84	7.20	5.44	48.60
1854	4.56	5.26	6.59	2.45	5.16	4.16	5.80	3.92	2.08	2.32	.28	3.68	46.06
1855	3.37	7.79	2.84	4.52	3.50	1.91	2.65	.82	1.98	3.86	.77	.75	34.26
1856	4.16	4.84	5.20	1.44	.22	.66	4.27	7.81	1.77	1.76	11.40	3.13	46.66
1857	2.34	1.43	4.57	2.51	1.30	1.72	10.23	7.15	4.02	8.85	6.62	4.27	55.01
1858	7.06	3.07	6.30	2.61	3.32	3.87	4.39	2.23	10.17	3.46	6.42	5.17	58.07
1859	2.12	2.91	1.99	5.64	2.91	10.95	1.37	3.46	3.16	.99	7.69	4.56	47.75
1860	.33	3.55	4.41	1.24	3.80	1.98	2.25	1.98	11.16	6.82	4.89	9.92	52.33
1861	1.72	5.97	3.71	2.51	3.81	2.75	6.44	3.12	2.64	1.62	7.79	2.76	44.84
1862	3.20	6.20	2.60	7.82	1.08	4.18	1.85	2.71	6.58	6.54	1.43	2.62	46.81
1863	4.83	7.69	2.56	4.10	4.38	3.57	11.34	2.66	1.98	14.12	5.61	3.39	66.03
1864	4.56	8.54	5.05	3.37	.98	8.44	4.02	2.84	.58	1.06	3.56	1.52	44.52
1865	6.50	5.45	4.28	4.99	4.45	5.48	2.18	8.25	.91	3.10	3.36	1.66	50.61

NATICK, MASS. (Lake Cochituate) ^{(b)(c)}—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1866	6.99	4.78	3.31	1.44	5.80	3.92	1.94	6.46	4.80	13.35	3.98	8.36	65.13
1867	3.43	4.52	4.32	2.76	5.40	5.85	2.43	6.46	2.95	5.36	12.36	1.08	56.72
1868	7.27	2.63	1.90	3.70	1.18	2.51	5.61	8.12	2.95	2.16	7.38	7.69	52.10
1869	1.19	6.77	.45	3.71	7.07	7.52	2.57	7.59	3.68	2.63	2.34	8.49	54.01
1870	9.50	3.26	5.98	7.85	4.68	6.04	8.81	3.14	4.05	3.10	2.03	.64	59.08
1871	7.96	4.40	3.19	1.31	2.30	5.02	2.29	5.66	5.96	2.20	3.56	1.46	45.31
1872	5.38	7.01	3.24	1.86	1.37	3.06	1.74	3.24	4.27	5.55	9.76	6.29	52.77
1873	3.69	4.22	3.42	2.24	2.43	3.98	2.69	3.24	.38	4.08	7.17	2.62	42.16
1874	6.11	4.54	3.95	2.96	2.90	1.19	6.36	3.40	4.79	3.16	4.82	1.55	49.74
1875	1.04	2.05	1.70	2.42	3.15	3.74	3.23	3.56	6.24	3.57	5.53	3.43	59.66
1876	4.85	4.83	.94	1.83	4.21	7.43	3.24	2.80	1.60	9.49	2.19	3.98	47.39
1877	2.00	6.59	3.13	3.19	.53	7.79	3.24	3.73	2.64	2.77	3.35	.46	39.42
1878	8.14	6.94	1.02	5.77	5.93	4.20	5.63	.83	3.33	3.47	6.94	1.12	53.32
1879	5.15	6.09	5.12	2.00	3.05	3.90	4.69	1.20	4.14	3.38	6.43	1.74	46.89
1880	.90	2.98	3.60	3.07	4.05	2.83	2.94	1.98	1.25	7.00	3.81	1.69	36.10
1881	2.95	1.70	2.56	5.56	4.43	4.79	1.71	3.18	4.83	2.78	1.13	2.13	37.75
1882	2.87	3.85	3.83	5.93	3.96	2.76	1.89	4.72	1.87	3.49	1.14	9.20	45.52
1883	2.22	.93	2.17	2.88	3.59	1.76	2.27	3.95	1.81	2.88	.39	1.31	26.16
1884	5.16	2.06	3.14	4.59	6.04	4.50	3.80	2.92	3.88	4.42	4.49	.90	45.70
1885	2.59	2.33	3.51	5.25	3.98	1.09	3.71	3.46	2.96	1.73	7.01	1.63	41.05
1886	5.26	5.26	2.32	6.53	6.86	3.46	2.00	2.97	1.21	3.30	3.75	3.20	46.12
1887	3.16	4.76	5.77	5.29	5.24	5.10	4.45	1.02	2.58	3.77	3.70	1.28	46.22
1888	2.49	2.76	3.80	4.13	3.55	5.60	2.51	4.63	2.07	1.67	6.32	8.81	48.24
1889	4.95	7.03	5.66	5.46	1.56	2.28	3.19	3.64	3.17	9.10	4.57	4.92	55.53
1890	3.85	5.79	2.70	2.54	3.21	7.35	2.51	5.31	1.78	2.31	3.34	6.47	46.96
1891	10.11	1.24	5.26	6.67	5.02	5.49	3.62	1.67	3.78	2.99	4.91	2.12	52.88
1892	4.14	2.94	3.17	4.78	2.80	4.12	.78	5.46	3.22	3.47	3.79	2.87	41.45
1893	1.42	5.14	1.18	2.61	7.26	3.13	3.21	5.45	2.75	2.40	5.86	1.76	42.17
1894	3.74	2.08	5.03	3.95	3.69	1.16	2.27	3.70	1.61	3.61	2.57	2.27	26.88
1895	5.14	3.53	4.38	3.93	1.70	3.11	5.03	2.03	3.12	4.71	3.96	2.77	43.41
1896	9.57	6.32	2.71	2.43	6.70	5.20	1.60	2.27	3.04	2.22	2.43	8.21	52.70
1897	3.53	3.00	2.15	4.23	2.86	3.60	2.78	4.25	4.28	4.80	3.26	2.56	41.30
1898	.89	6.47	4.81	6.83	4.29	2.54	5.07	3.07	2.08	3.55	7.08	3.03	49.71
1899	6.82	6.91	3.44	4.56	4.44	7.31	1.70	1.06	2.79	3.20	2.17	4.65	48.85
1900	3.05	2.31	1.92	4.96	8.59	5.82	2.24	4.77	3.02	2.65	3.58	3.84	46.75
1901	3.65	5.52	2.67	1.85	1.80	6.35	7.51	6.93	1.26	6.67	4.48	3.17	51.86
1902	2.83	3.03	3.58	2.11	6.87	5.04	3.66	1.24	2.42	3.53	3.39	4.91	47.41
1903	4.05	1.37	6.22	3.81	3.88	6.30	3.17	1.56	7.61	3.00	4.20	1.31	46.48
1904	4.27	1.53	3.18	4.75	3.11	2.78	8.68	2.14	2.86	1.80	3.32	6.78	45.20
1905	1.66	1.84	2.39	5.40	2.00	3.28	2.87	1.57	5.46	3.24	2.89	7.00	39.60
1906	1.35	2.07	4.07	2.66	2.59	6.47	2.60	4.98	3.44	3.04	2.37	2.84	38.48
1907	3.26	2.50	4.68	3.14	2.18	1.88	3.47	3.62	2.89	1.45	1.27	7.62	37.96
1908	3.96	5.63	3.66	3.53	4.30	3.62	1.80	4.58	.82	3.91	3.98	.77	40.56
1909	2.37	.85	2.70	4.24	5.66	3.46	4.01	1.76	3.09	1.73	2.84	4.33	37.14
1910	1.06	3.70	4.10	5.11	5.16	.77	2.71	1.33	4.51	2.23	1.58	2.50	34.76
1911	1.80	4.16	2.61	2.74	3.20	3.31	2.73	.65	2.53	3.42	4.82	2.96	34.93
1912	3.53	4.28	3.74	3.10	2.51	6.38	4.16	5.23	.47	2.87	2.26	1.82	40.55
1913	2.99	3.24	4.96	2.89	2.80	5.59	4.05	3.70	.86	3.03	4.36	3.67	42.14
1914	5.80	2.23	3.05	3.53	4.11	4.41	4.93	2.71	1.59	3.17	3.62	.27	39.42
1915	1.69	2.45	3.38	6.57	3.88	.01	2.82	1.59	3.51	8.38	5.72	.88	40.88
1916	2.93	2.58	5.48	1.52	5.66	4.62	4.12	3.20	5.45	3.89	1.75	1.30	42.50
1917	1.28	2.18	3.18	3.28	2.81	4.82	2.67	4.89	4.33	1.02	5.79	1.77	38.02
1918	6.33	1.28	2.70	3.26	3.80	2.26	4.61	1.10	5.34	3.64	1.41	8.58	42.81
1919	.92	2.57	5.55	3.56	3.58	4.72	2.66	4.82	1.90	4.94	3.95	5.94	42.93
1920	2.19	6.04	1.95	3.25	7.01	4.28	5.61	2.96	7.73	1.81	1.58	3.88	49.29
1921	1.21	5.96	5.47	2.75	3.58	2.87	5.85	3.31	4.13	7.92	1.27	2.24	46.56
1922	1.13	7.75	2.51	1.84	3.38	5.58	1.75	5.06	10.53	3.06	4.11	4.42	51.12
1923	2.33	1.24	3.66	7.55	2.43	3.48	5.11	.98	3.18	3.01	2.16	1.28	36.41
1924	5.10	5.35	5.49	3.52	2.68	2.80	5.30	3.20	1.71	2.78	5.16	6.00	49.07
1925	.09	2.40	1.76	4.68	2.15	5.59	2.84	2.35	4.43	4.37	1.24	3.05	34.95
1926	4.52	3.33	5.44	3.11	5.64	3.51	2.36	2.58	1.59	3.42	4.59	1.32	41.41
1927	3.94	4.50	3.79	3.16	3.34	1.45	2.13	3.37	2.05	5.02	8.04	4.13	45.32
1928	4.61	4.62	5.60	3.26	3.58	2.01	5.27	2.39	5.73	4.98	3.94	3.89	48.90
1929	3.31	2.71	4.00	3.59	3.17	7.40	3.36	1.86	.93	1.93	1.21	35.64	
1930	2.97	3.04	4.30	2.70	2.48	3.57	1.94	2.67	2.38	3.32	2.02	.78	32.17
1931	4.55	4.30	2.98	3.76	2.65	6.27	2.92	4.02	6.96	2.22	5.62	1.57	47.82
1932	2.50	.95	3.48	4.85	2.62	5.44	1.77	1.53	3.46	2.04	5.73	9.24	43.61
1933	7.81	5.24	1.90	2.37	3.96	7.54	6.19	2.38	1.20	1.80	3.44	10.84	54.67
1934	5.18	1.19	4.08	3.73	4.27	4.66	3.39	3.51	4.55	2.35	2.15	7.59	44.65
1935	3.45	2.56	2.89	7.79	3.46	2.59	5.93	1.99	5.79	1.96	2.12	3.99	44.51
1936	.62	5.26	1.09	7.91	4.27	8.94	3.39	2.00	2.46	1.74	4.85	5.07	47.60
1937	2.03	1.58	8.64	4.65	2.37	3.63	5.34	3.56	3.79	1.55	4.76	8.13	45.01
1938	3.06	6.39	4.23	5.22	2.55	2.71	3.20	4.58	6.85	13.91	5.25	8.58	66.53
1939	2.15	2.77	3.46	2.45	4.51	5.63	4.93	1.64	3.83	1.58	4.71	1.69	39.35
1940	5.96	1.24	3.67	2.78	6.38	4.17	6.58	4.57	2.81	4.31	1.91	4.05	48.43
1941	1.17	7.49	3.23	4.02	2.40	2.75	1.47	2.28	4.32	2.90	2.93	.60	35.56
1942	1.88	3.04	3.77	5.12	3.15	8.39	1.90	2.51	3.13	8.27	2.44	2.22	45.82
1943	3.71	6.36	7.58	3.58	1.46	4.15	4.36	4.99	2.79	4.93	1.36	1.40	46.67
1944	6.33	4.31	1.41	2.23	3.01	4.69	4.82	.91	6.25	2.56	1.90	6.99	45.41
1945	2.67	7.42	3.76	3.59	5.26	2.91	3.40	5.62	7.11	3.26	3.76	1.47	50.13

PRECIPITATION RECORDS

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NEEDHAM, MASS. (Needham Water Works)^(a)
 Lat. 42°16'10", Long. 71°18'00". Elevation, 115 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1937	-	-	-	4.37	1.96	5.25	4.59	3.10	3.30	0.83	4.84	3.10	-
1938	2.47	5.23	3.96	4.26	2.14	2.34	2.57	4.20	6.75	9.61	3.34	6.56	54.45
1939	2.31	3.29	2.65	2.45	3.58	4.39	4.20	1.24	2.97	2.86	4.02	1.72	35.68
1940	5.02	1.19	2.89	1.92	4.41	2.50	5.22	2.74	2.24	3.59	1.76	2.22	35.70
1941	.95	6.53	2.18	3.43	1.98	2.64	1.47	2.26	4.85	3.57	2.65	.36	32.67
1942	1.71	2.75	3.69	4.18	3.00	7.05	1.34	2.12	2.37	5.45	2.44	2.10	39.38
1943	3.42	5.30	5.23	3.13	1.36	3.59	3.54	4.46	1.96	4.88	1.20	1.44	39.31
1944	5.19	2.67	1.29	1.82	2.37	4.66	4.36	.52	4.91	2.03	3.02	6.97	39.81
1945	3.25	6.70	2.94	2.99	4.56	2.09	2.65	5.52	6.58	2.14	3.67	1.29	44.39

NEW BEDFORD, MASS. (Sassaquin Sanitorium)^(a)
 Lat. 41°44'25", Long. 70°56'40". Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1814	-	-	-	1.42	8.30	2.16	5.46	4.23	2.27	0.99	6.44	3.06	-
1815	1.73	5.37	1.65	4.55	3.32	5.02	4.66	4.11	2.22	1.96	4.36	2.51	41.46
1816	1.47	3.45	3.15	2.12	6.82	2.47	5.50	6.15	2.33	1.01	1.46	6.05	41.98
1817	2.96	5.56	7.0	3.96	5.26	1.77	2.60	1.19	7.00	.88	3.21	4.09	40.18
1818	1.19	6.64	5.54	3.31	.91	3.31	3.94	6.79	3.51	3.32	1.66	5.52	45.64
1819	2.84	3.55	2.31	1.25	2.54	7.50	3.51	2.06	3.52	1.57	6.00	4.81	40.66
1820	3.84	1.92	1.74	1.46	5.02	4.44	1.23	5.41	.46	3.71	4.38	2.01	35.62
1821	6.22	3.75	3.23	2.32	5.96	2.52	6.09	5.42	3.78	2.41	2.23	4.11	48.04
1822	4.96	2.94	2.90	3.29	3.70	3.31	4.76	.58	2.58	5.14	3.51	6.05	42.72
1823	2.97	3.62	2.27	4.84	5.00	8.43	1.83	7.67	3.20	4.63	3.90	2.08	50.44
1824	5.06	3.51	9.74	3.84	5.32	3.61	5.74	2.68	3.14	2.44	6.21	4.88	56.17
1825	2.55	3.54	3.39	2.80	2.21	6.06	1.42	2.11	3.71	2.06	3.52	1.68	35.05
1826	2.78	1.81	7.93	2.19	3.85	4.08	2.92	.73	2.11	2.44	18.72	1.44	51.00
1827	7.47	4.50	4.32	3.14	3.99	4.88	3.46	6.94	4.42	4.36	7.65	5.55	60.76
1828	6.68	5.42	3.53	3.02	3.25	4.31	3.48	4.04	3.15	1.15	3.63	48.24	
1829	3.62	5.16	.45	9.06	5.76	7.03	4.79	9.39	2.92	3.40	7.53	3.49	61.80
1830	3.53	7.13	2.13	4.20	3.07	4.77	2.25	6.63	3.71	12.00	6.22	5.20	60.89
1831	3.54	6.18	6.89	7.47	3.53	5.24	7.38	4.45	3.52	7.26	3.32	5.86	64.64
1832	8.04	3.69	3.43	3.98	5.36	3.02	3.41	6.55	.41	1.69	8.30	3.00	48.87
1833	2.64	4.42	6.52	3.91	2.37	1.92	2.31	4.14	4.25	1.38	2.57	1.88	38.32
1834	5.70	5.51	6.68	2.76	1.61	1.95	2.94	4.74	7.30	3.42	1.81	5.63	50.05
1835	5.25	4.23	4.48	3.35	1.80	6.52	6.84	2.65	2.52	1.56	10.16	.90	49.26
1836	2.99	2.97	3.95	9.53	4.62	3.78	2.79	1.76	4.93	1.90	1.12	1.28	42.61
1837	2.58	4.53	4.02	3.69	3.75	4.47	5.33	6.47	4.41	2.15	4.37	.54	44.31
1838	1.34	1.50	3.05	3.00	2.41	2.90	2.15	3.02	2.84	1.55	2.99	6.71	33.46
1839	5.38	4.56	.97	.77	2.71	2.44	4.83	4.96	2.51	2.76	5.89	3.58	40.96
1840	5.06	2.01	6.26	3.25	2.68	3.99	4.56	5.82	3.69	2.14	2.88	3.07	46.21
1841	6.93	7.52	3.06	5.57	1.75	4.06	9.27	1.66	1.44	3.05	5.05	2.90	52.26
1842	4.70	5.50	5.85	2.47	4.34	2.89	3.77	3.17	7.40	1.34	1.97	2.00	45.20
1843	.86	5.06	5.79	3.94	4.18	4.02	6.19	1.39	1.45	3.31	7.13	1.77	43.09
1844	6.86	5.09	5.54	4.19	2.18	6.65	1.79	2.60	.90	3.08	2.49	4.15	45.32
1845	4.56	4.01	4.13	4.16	3.00	3.04	1.87	3.79	2.34	3.09	3.37	4.49	41.85
1846	4.29	9.72	4.90	3.09	2.57	1.74	1.20	6.40	.99	2.61	3.07	2.48	43.06
1847	1.68	3.80	4.88	3.33	4.57	3.25	1.66	2.64	6.46	2.41	7.15	7.20	49.03
1848	.62	1.52	5.10	3.73	4.22	2.89	1.46	3.88	2.99	4.04	1.16	1.89	33.52
1849	.55	3.50	5.75	.88	2.07	5.70	2.23	2.43	1.59	1.22	4.88	1.24	36.70
1850	5.71	5.15	3.32	5.87	2.22	6.05	9.25	4.49	1.23	2.26	6.29	12.06	65.90
1851	2.62	2.62	7.51	2.24	6.20	3.27	4.84	4.78	1.18	9.22	3.49	3.75	51.92
1852	5.37	4.76	2.51	3.91	3.57	5.50	7.86	3.50	1.71	2.55	5.49	2.01	48.74
1853	2.05	3.66	4.35	1.69	4.67	1.28	3.92	4.58	.82	3.95	2.95	3.84	37.62
1854	3.52	3.82	4.45	1.99	5.67	2.15	6.35	3.56	3.02	7.44	.24	8.37	51.16
1855	1.48	9.66	3.40	4.72	2.62	1.95	4.24	3.64	1.84	4.79	1.42	.62	40.38
1856	4.66	4.82	5.68	5.18	1.27	1.64	3.20	3.96	2.12	3.32	2.81	4.56	43.22
1857	1.89	3.26	3.88	6.20	1.84	2.52	5.90	3.69	2.30	4.62	3.94	2.32	42.36
1858	2.64	1.94	5.49	2.46	1.28	2.28	4.39	2.02	5.16	6.75	5.05	3.02	42.38
1859	3.20	3.84	4.58	8.53	4.40	6.64	3.44	5.14	6.16	.96	4.02	3.64	54.55
1860	2.07	2.10	4.34	1.37	3.50	2.82	2.86	2.80	3.26	2.96	5.00	5.24	38.32
1861	1.82	3.44	4.65	4.19	3.25	4.06	5.44	4.42	3.12	1.70	5.00	3.50	44.59
1862	4.30	4.58	2.90	3.27	3.68	2.80	1.68	2.96	3.85	3.08	1.20	3.88	42.54
1863	5.82	4.47	2.46	2.75	4.16	4.26	4.34	3.52	2.49	4.26	2.51	2.50	43.34
1864	1.90	7.03	5.37	4.35	1.51	5.52	3.10	2.93	1.08	1.50	7.68	2.28	44.25
1865	2.35	4.18	4.48	5.51	3.92	4.90	3.24	6.36	1.66	5.15	1.21	.26	43.22
1866	4.93	4.47	4.40	2.30	4.54	3.70	2.06	4.15	4.18	1.86	3.80	5.32	45.51
1867	2.64	2.65	3.31	2.84	5.08	5.58	3.18	3.85	2.36	6.03	5.70	2.44	45.66
1868	3.96	1.99	4.10	6.17	2.43	4.64	5.96	9.42	6.51	3.78	4.50	5.91	59.37
1869	1.68	2.98	2.34	3.97	5.34	6.22	1.42	5.92	4.45	1.62	2.76	2.62	41.32
1870	6.75	2.30	6.56	6.20	4.55	3.46	6.20	3.50	3.62	3.05	1.69	1.28	49.16
1871	6.64	3.28	3.70	3.26	3.28	4.86	3.93	2.68	5.39	1.92	6.35	2.24	47.53
1872	6.38	6.98	2.34	2.64	2.42	5.33	2.27	3.51	2.68	6.40	4.04	4.58	49.57
1873	5.79	3.58	4.42	7.24	4.93	2.89	3.98	4.95	1.44	1.22	4.16	3.17	47.77
1874	5.34	6.32	6.06	4.27	4.27	1.59	8.57	5.11	3.70	3.84	7.66	2.94	59.67
1875	.55	2.49	3.54	3.78	3.67	7.86	4.04	4.20	4.98	4.00	4.60	2.38	46.89
1876	3.02	4.85	.94	1.02	4.85	5.54	3.85	1.68	.73	3.86	1.23	4.40	35.97
1877	1.52	8.42	5.09	3.06	1.79	9.42	3.13	2.92	2.36	4.93	3.39	.85	46.86
1878	7.66	6.60	.95	5.97	4.05	4.77	4.94	2.81	2.97	2.36	5.38	1.04	49.60
1879	5.93	5.74	4.49	3.42	3.00	5.56	5.12	1.83	2.78	3.59	4.37	3.13	49.01
1880	1.19	3.55	4.72	2.08	2.97	4.85	3.49	1.87	1.96	6.59	5.62	1.68	40.05

NEW BEDFORD, MASS. (Sassaquin Sanatorium)^(a)—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1881	3.11	2.44	3.92	4.14	5.83	4.74	1.79	2.39	5.14	1.65	.79	3.29	39.23
1882	1.52	5.78	2.04	4.14	6.23	2.48	4.06	4.74	1.70	1.52	.89	6.26	41.36
1883	4.00	1.91	3.45	4.73	4.67	2.08	2.93	3.60	1.46	6.92	.85	2.74	39.34
1884	6.36	3.28	3.89	4.85	5.72	5.29	5.17	5.33	5.58	4.80	8.49	.98	57.54
1885	1.63	3.55	5.80	5.20	2.76	1.49	2.66	3.15	4.06	1.17	4.23	1.85	37.55
1886	4.04	3.16	3.04	6.77	7.05	5.09	2.19	4.39	1.99	2.89	2.76	2.15	45.32
1887	4.23	3.76	6.78	6.02	6.25	5.83	5.45	2.24	3.15	3.61	6.68	1.71	55.71
1888	3.95	2.60	4.28	4.38	2.63	5.66	2.42	5.57	1.45	5.17	4.89	9.52	52.52
1889	2.66	7.39	3.33	5.79	2.92	2.83	4.31	5.14	3.83	5.44	5.73	3.87	53.24
1890	4.11	6.07	2.67	2.66	2.36	9.77	4.09	6.73	5.90	1.91	3.82	7.55	57.64
1891	10.09	1.32	5.49	8.36	7.00	5.81	2.78	2.44	1.55	1.97	2.09	2.31	51.21
1892	6.97	3.17	3.39	4.48	2.34	5.78	2.31	5.46	2.23	1.72	4.58	3.65	46.07
1893	1.86	6.78	1.64	2.70	6.90	6.18	5.13	4.49	3.00	2.40	4.26	3.38	48.72
1894	2.45	2.63	6.75	4.85	5.18	1.84	4.99	4.46	.90	.74	2.18	2.83	39.80
1895	7.64	4.55	5.73	4.04	1.17	4.72	4.22	5.39	3.01	4.91	3.02	1.50	47.90
1896	4.29	4.52	2.84	2.03	4.43	5.97	1.24	3.91	4.98	2.90	3.79	8.87	49.77
1897	3.40	2.60	3.61	3.57	2.53	2.79	4.30	6.07	2.48	3.85	8.57	.88	44.65
1898	1.42	9.74	4.26	5.78	5.28	3.50	5.29	6.82	.94	6.04	7.66	1.28	58.13
1899	9.83	7.98	2.18	5.30	5.31	7.35	2.08	1.21	3.72	3.97	2.29	6.50	57.72
1900	3.51	1.11	1.99	5.24	4.62	3.73	2.66	5.31	1.12	2.57	1.63	4.19	37.68
1901	6.58	4.65	2.69	2.66	1.26	7.85	7.08	8.57	1.79	3.22	2.24	3.31	51.90
1902	2.12	1.69	10.05	2.39	5.78	6.91	3.72	1.36	2.48	3.21	2.09	5.92	45.71
1903	6.19	1.85	5.53	4.77	4.52	8.02	5.77	.81	4.13	2.22	4.47	1.71	49.99
1904	4.15	3.57	3.35	4.39	4.25	2.38	5.84	3.55	5.46	2.22	6.15	2.92	52.25
1905	1.36	2.29	5.27	3.73	2.10	2.88	1.61	1.85	6.77	2.29	4.63	6.36	40.94
1906	1.96	3.02	4.30	3.66	4.21	5.73	2.51	3.51	3.32	4.72	2.26	5.14	44.34
1907	3.11	3.16	1.75	3.35	1.95	3.36	3.25	6.33	2.66	1.09	1.07	7.30	38.38
1908	2.52	5.80	6.83	4.16	4.66	3.60	1.75	4.02	1.69	2.02	5.29	1.27	42.61
1909	7.54	1.45	4.43	4.39	6.44	3.52	6.09	3.50	1.83	.67	2.27	3.99	46.12
1910	1.99	4.73	3.21	5.65	5.59	1.59	1.86	3.25	4.26	2.49	2.64	1.38	38.64
1911	2.03	4.11	3.17	3.71	2.73	3.22	4.09	.97	1.92	5.32	4.03	2.46	37.76
1912	2.35	7.22	4.12	4.37	3.69	8.47	3.45	4.77	.10	1.03	5.49	2.30	47.77
1913	1.19	3.82	6.65	4.82	4.09	3.61	4.59	1.64	.85	1.97	4.26	2.35	39.84
1914	10.09	2.82	4.68	3.64	3.37	3.80	4.31	2.80	.93	5.17	2.87	.85	45.13
1915	2.51	2.90	5.55	10.75	4.57	.09	2.92	1.81	1.55	2.50	6.94	1.81	43.90
1916	4.40	1.79	4.70	1.78	4.21	3.27	3.84	5.04	4.65	11.20	1.33	1.30	47.51
1917	3.47	3.12	3.15	3.08	2.79	5.87	3.44	4.85	4.86	.89	3.39	2.56	41.47
1918	4.47	.35	2.09	3.42	3.22	2.02	4.01	1.67	3.15	2.79	1.99	3.84	33.02
1919	.77	2.46	3.56	5.11	3.66	3.41	3.08	4.21	2.22	5.27	6.81	4.47	45.03
1920	2.55	3.94	2.78	3.12	6.61	5.09	5.70	4.94	7.55	1.51	3.15	2.20	46.94
1921	1.59	4.09	4.22	3.23	3.26	4.09	4.67	3.49	2.52	9.59	2.22	1.17	44.14
1922	1.70	8.42	2.68	2.24	3.63	6.30	2.01	4.51	5.71	5.56	10.59	1.83	55.18
1923	3.65	1.25	3.76	6.87	2.11	5.50	6.44	1.33	3.75	2.05	2.55	2.48	41.74
1924	4.09	2.06	5.96	5.04	3.78	3.36	7.54	2.53	2.04	.98	7.64	3.96	48.98
1925	.18	1.75	2.57	4.31	2.08	3.57	2.04	3.22	2.98	4.39	1.90	4.23	33.22
1926	5.10	4.27	4.58	3.23	5.73	3.04	2.41	3.28	2.95	2.54	4.60	1.34	43.05
1927	8.07	4.90	3.94	3.31	3.20	1.58	1.63	2.39	2.30	6.00	10.17	3.75	51.24
1928	4.34	5.63	5.37	3.54	4.09	4.03	4.25	1.87	5.98	5.27	2.82	4.97	52.06
1929	2.05	2.58	3.40	3.80	4.02	4.25	7.25	3.37	1.77	2.15	6.03	3.77	44.42
1930	3.06	3.18	6.05	3.66	4.09	2.27	1.43	3.38	2.95	2.66	1.87	1.19	35.79
1931	4.95	4.46	2.87	3.78	3.22	6.90	3.27	5.83	7.15	4.87	5.46	1.85	54.61
1932	4.02	1.11	4.00	6.46	2.94	5.89	1.74	2.45	2.70	2.78	4.85	6.56	45.48
1933	6.05	8.12	2.61	2.84	4.80	6.68	8.14	2.40	2.11	2.40	3.87	10.50	60.52
1934	4.33	3.46	3.93	3.69	3.91	4.49	4.29	3.55	4.09	.59	2.97	2.16	41.46
1935	4.40	3.49	5.93	6.01	3.15	2.41	5.33	2.22	4.43	2.88	1.38	5.05	44.88
1936	2.30	6.96	1.65	7.51	2.36	6.11	3.49	.88	4.17	2.75	4.70	8.59	51.47
1937	1.96	1.41	10.36	4.47	1.40	4.09	5.54	2.95	4.26	.86	3.57	4.98	45.73
1938	4.20	5.32	4.75	3.97	2.80	3.12	3.22	4.47	10.27	3.25	3.30	6.21	54.78
1939	3.12	3.90	3.55	3.28	5.10	6.17	5.15	1.50	4.38	1.06	4.98	3.63	45.82
1940	4.77	1.58	2.15	2.13	6.44	4.03	8.12	4.73	1.69	4.75	1.35	4.34	46.08
1941	2.21	7.23	2.62	4.52	2.62	3.18	2.20	3.15	6.54	4.33	4.11	.21	42.92
1942	2.21	2.20	3.79	4.77	3.75	8.08	.95	1.40	2.13	2.58	6.74	2.67	41.27
1943	5.39	5.76	4.12	4.56	2.15	3.61	3.50	3.58	1.65	2.71	2.80	2.47	42.30
1944	4.43	3.30	1.54	2.94	2.50	4.82	4.55	.84	4.01	.59	2.39	5.22	37.13
1945	2.23	9.30	3.80	4.57	3.86	2.20	2.72	4.26	3.93	1.16	2.43	1.46	41.42

NEW BEDFORD, MASS. (City Hall)^(b)
Lat. 41°38'10", Long. 70°55'40". Elevation, 100 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1903	-	-	-	4.00	3.75	7.31	5.27	0.69	3.29	1.92	3.78	1.58	-
1904	2.96	2.54	2.48	4.19	3.71	1.45	8.19	3.20	4.79	2.00	5.40	2.61	43.52
1905	.99	1.48	3.95	3.13	1.37	2.36	1.71	1.52	6.29	2.10	3.96	5.63	34.49
1906	1.89	2.89	3.75	3.66	4.21	5.53	2.59	3.51	3.48	4.73	2.26	5.14	43.64
1907	3.12	3.19	91.75	-	-	-	-	-	-	-	-	-	-
1910	-	-	-	5.56	4.70	1.68	1.71	2.81	3.07	2.47	2.01	1.53	-
1911	2.05	3.75	3.04	3.73	2.81	3.44	4.51	1.45	1.84	5.75	6.57	2.93	41.87
1912	2.47	6.21	3.76	5.90	3.20	7.72	8.02	5.59	.15	1.49	7.35	2.19	47.07
1913	1.36	3.95	6.93	5.87	3.87	4.71	4.27	1.62	1.82	1.87	4.68	8.48	43.14
1914	7.40	2.37	4.14	3.57	4.84	3.37	3.76	2.62	.90	4.53	3.17	.66	41.32
1915	3.07	3.55	5.58	10.09	4.07	.10	2.17	2.49	2.50	2.76	6.05	1.37	43.60

PRECIPITATION RECORDS

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NEW BEDFORD, MASS. (City Hall) ^(b) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	4.67	1.68	4.04	1.63	3.85	2.89	3.76	5.53	4.70	9.39	2.10	1.68	45.92
1917	3.37	3.24	2.81	3.51	2.25	5.05	3.23	5.14	5.80	.93	3.00	3.37	41.70
1918	3.92	.52	1.82	3.10	2.33	1.93	3.12	1.51	3.93	2.09	2.58	2.68	29.33
1919	.47	2.05	3.64	3.44	3.75	3.15	2.83	3.91	3.22	6.83	5.70	4.74	43.73
1920	2.13	3.28	2.46	2.03	4.97	4.03	5.79	5.13	6.17	1.43	2.13	.90	40.45
1921	1.62	3.92	3.02	1.54	1.87	2.97	3.63	2.80	1.38	8.19	2.67	.99	34.60
1922	2.08	2.05	1.69	1.70	2.61	3.74	1.20	2.88	3.46	3.28	8.71	1.92	40.32
1923	3.77	1.02	2.80	4.40	1.10	4.88	4.24	.57	2.23	1.44	1.33	1.36	29.14
1924	3.74	1.65	4.45	4.58	1.55	3.74	5.23	3.53	1.47	1.00	7.60	3.08	41.72
1925	.15	1.66	2.62	3.46	1.93	2.92	2.19	3.64	2.54	2.11	3.16	5.62	32.00
1926	5.00	3.40	3.63	2.15	5.34	1.98	2.39	4.33	2.48	2.06	2.82	1.14	36.72
1927	7.56	4.50	2.33	2.14	2.33	1.15	1.27	1.49	3.03	4.95	7.93	2.96	41.64
1928	4.32	4.59	4.98	2.98	3.73	3.00	4.29	1.79	4.92	4.24	.53	4.78	44.15
1929	1.47	1.61	2.96	2.88	3.52	3.67	7.06	3.04	1.53	1.53	6.20	3.53	39.00
1930	2.49	2.90	4.71	3.52	3.50	1.43	.92	2.77	2.09	1.86	2.14	.21	28.34
1931	3.81	3.97	2.02	3.25	1.97	5.37	2.75	4.88	6.92	4.60	5.07	1.70	46.31
1932	4.71	.64	3.67	5.19	2.16	4.81	1.00	1.90	3.30	3.18	4.74	7.79	43.09
1933	4.80	6.75	1.97	2.47	3.57	5.19	7.61	1.51	2.02	1.40	3.85	10.53	51.67
1934	3.89	2.72	3.30	3.04	3.24	3.79	4.81	3.38	3.16	.31	2.23	1.75	35.62
1935	4.17	2.63	3.40	5.87	2.94	2.11	5.01	1.66	4.42	2.23	1.67	5.75	41.86
1936	2.05	5.74	1.33	6.33	1.97	4.99	2.48	1.29	3.80	2.02	4.39	7.01	43.40
1937	2.58	1.19	9.02	3.56	.98	3.31	5.52	3.19	5.17	.27	5.10	4.32	44.21
1938	3.62	4.86	4.15	3.13	2.24	2.84	3.28	3.80	9.31	3.29	1.85	4.83	47.20
1939	3.35	3.70	3.05	2.99	3.57	5.72	4.50	.68	3.73	1.35	6.44	1.97	41.05
1940	3.45	1.62	1.72	2.33	4.41	3.85	6.76	3.60	1.46	4.29	1.60	3.96	39.03
1941	2.32	6.50	2.80	3.75	2.04	3.01	1.67	2.03	6.63	4.22	2.34	.76	38.07
1942	2.07	2.50	3.41	2.81	4.01	6.96	.91	1.47	2.06	2.61	7.59	2.91	39.11
1943	4.78	6.05	3.84	2.97	2.09	3.27	2.62	4.41	1.05	2.67	2.47	2.01	38.23
1944	2.57	2.34	1.45	3.28	1.77	4.20	4.39	.79	2.12	.62	1.25	4.11	28.89
1945	2.09	8.94	2.65	4.08	3.80	2.27	1.74	3.81	3.29	1.04	3.21	1.33	38.25

NEW BEDFORD, MASS. (Clark's Point) ^(a)
Lat. 41°36'00", Long. 70°54'45". Elevation, 10 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	1.84	3.00	2.12	5.59	3.15	7.21	5.64	2.58	6.47	2.11	-
1932	5.69	0.88	3.91	4.79	2.49	5.15	1.25	1.75	3.13	1.98	4.18	6.45	41.65
1933	4.33	6.26	2.09	2.72	3.87	6.34	7.01	2.34	2.24	1.32	4.38	10.79	53.69
1934	4.04	2.75	3.22	3.45	2.70	4.41	4.00	3.24	2.95	.30	2.82	1.46	35.32
1935	4.09	2.75	4.05	6.56	3.14	2.24	4.64	1.69	6.41	2.15	1.26	5.74	44.72
1936	2.32	6.63	1.49	6.67	2.56	6.21	3.37	1.32	3.47	1.62	3.15	7.61	46.32
1937	1.93	1.82	10.41	4.38	1.21	3.59	5.37	3.52	4.07	.30	6.43	4.39	47.42
1938	3.04	4.53	4.57	4.12	2.34	3.24	3.51	3.51	8.66	4.45	2.09	6.05	50.47
1939	3.34	3.57	3.36	3.75	5.29	5.59	4.55	.56	4.41	.73	6.32	2.22	43.69
1940	3.03	1.67	1.78	2.22	5.36	4.11	6.14	3.20	.94	4.41	1.39	3.58	37.83
1941	2.38	6.18	3.23	4.10	1.99	2.74	1.99	1.93	5.76	3.41	3.58	.76	38.05
1942	2.39	2.13	2.79	4.47	2.86	7.57	.70	1.77	2.36	2.73	7.39	2.72	39.90
1943	4.40	5.60	4.25	2.76	2.44	3.93	3.20	3.67	.97	2.38	3.49	2.03	39.32
1944	2.28	2.68	1.44	3.69	2.86	4.89	5.43	1.10	2.76	.64	1.61	3.86	33.24
1945	2.06	9.24	3.66	3.96	3.47	2.24	1.52	3.63	2.85	1.38	2.86	1.20	38.07

NEW BRAINTREE, MASS. ^(a)
Lat. 42°19'30", Long. 72°07'00". Elevation, 980 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1929	-	-	-	-	-	-	-	3.69	2.75	0.87	2.14	5.03	-
1930	1.80	2.47	2.38	1.69	1.69	2.19	1.25	2.35	2.68	5.05	1.92	2.23	27.70
1931	1.72	1.87	1.05	1.42	1.49	4.53	1.92	5.52	3.59	3.10	7.81	1.85	35.87
1932	2.41	1.02	2.85	4.01	1.40	2.93	1.21	1.38	2.43	3.60	6.05	5.10	34.39
1933	3.88	3.23	1.33	1.88	3.16	3.68	4.44	1.51	2.85	1.12	4.73	9.03	40.84
1934	4.77	1.00	2.59	3.28	2.37	2.51	3.45	4.00	4.93	2.82	2.61	8.29	42.82
1935	2.60	2.66	2.56	3.65	2.18	1.79	1.80	2.46	4.60	3.02	.61	4.47	32.40
1936	.37	3.62	.82	5.15	1.91	9.55	2.97	3.35	2.86	2.27	5.03	4.78	42.68
1937	2.70	1.28	6.66	4.64	1.85	2.18	3.60	3.71	5.94	2.65	5.75	4.23	45.19
1938	3.46	4.99	2.35	3.28	1.78	2.28	2.66	2.91	8.11	8.40	2.70	15.01	57.93
1939	1.95	3.30	2.49	2.07	3.32	3.48	3.35	1.15	2.86	1.95	4.26	2.42	32.60
1940	3.49	.76	2.82	1.91	2.55	4.45	5.32	4.49	2.35	3.62	1.45	1.69	34.90
1941	1.14	5.57	2.55	1.38	1.65	.87	.64	1.97	2.69	4.92	3.59	.90	27.87
1942	2.12	1.95	2.40	3.09	1.33	5.93	.69	3.91	4.37	4.24	1.96	2.51	34.30
1943	3.40	4.05	4.27	1.86	1.08	2.69	3.24	6.08	2.15	5.00	2.30	1.07	37.49
1944	5.29	4.48	.59	.81	1.52	5.22	3.69	1.32	6.61	3.00	1.07	6.35	38.15
1945	1.41	1.99	2.33	1.91	2.37	1.24	3.63	4.47	7.22	5.70	3.41	1.96	37.64

HYDROLOGY OF MASSACHUSETTS

NEWBURYPORT, MASS.
Elevation, 80 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	-	-	-	-	-	-	-	-	-	5.77	1.44	-
1886	6.83	5.69	3.18	7.76	6.75	3.29	1.88	3.72	1.59	3.05	2.80	3.32	50.73
1887	3.12	4.31	5.80	5.82	6.18	5.24	4.99	1.34	2.34	4.35	7.57	1.76	52.82
1888	3.10	3.90	3.62	5.13	4.65	6.25	3.54	5.58	1.59	2.54	5.35	8.47	53.72
1889	5.66	6.74	4.76	5.89	2.30	2.90	3.55	4.13	4.25	8.79	2.89	2.62	52.78
1890	4.71	6.15	3.52	2.85	4.27	6.94	1.78	6.08	3.43	2.90	4.83	3.39	52.85
1891	7.20	1.52	5.51	6.86	4.83	4.51	2.10	2.39	3.79	3.67	2.04	1.68	46.08
1892	4.32	2.34	3.27	4.70	2.67	3.65	.60	5.71	4.86	1.37	4.01	1.94	39.44
1893	1.32	5.50	.93	1.23	5.56	2.31	1.71	4.70	1.46	1.34	3.72	.30	30.08
1894	2.75	2.51	5.05	3.42	2.50	1.11	.80	3.77	.15	3.96	.48	4.54	30.82
1895	3.76	1.15	2.39	-	-	-	-	-	-	-	-	-	-

NEWBURYPORT, MASS. (Plum Island to 1931, Water Works Pumping Station since 1931) (a)
Present Lat. 42°50'10", Long. 70°55'00". Elevation, 20 feet

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	2.12	2.55	4.31	4.58	3.50	0.67	0.91	2.71	1.78	-
1914	6.43	1.65	3.18	2.55	2.07	3.66	6.25	2.47	1.54	3.58	3.62	.29	37.27
1915	1.29	2.61	2.34	4.82	2.87	.06	2.19	1.48	1.75	10.35	6.04	.45	36.25
1916	3.20	1.95	3.99	.91	3.39	1.65	4.32	3.21	7.35	4.35	1.99	2.24	38.55
1917	.92	2.26	1.84	2.59	1.36	3.12	2.80	2.87	6.04	.93	4.16	1.14	30.03
1918	5.75	1.34	2.48	2.09	2.78	1.21	3.45	.96	2.79	3.25	3.26	7.27	36.63
1919	1.55	2.78	3.15	3.46	2.25	2.55	2.21	4.27	3.74	2.66	2.84	5.46	36.92
1920	2.88	4.55	1.42	1.35	7.26	2.62	5.66	3.73	4.68	3.06	1.96	5.24	44.19
1921	.84	5.00	3.35	1.38	1.85	1.94	3.21	2.59	3.10	6.78	1.15	1.85	33.04
1922	2.12	7.63	1.99	2.12	2.48	5.58	1.38	6.89	9.27	4.74	3.92	2.51	50.61
1923	2.28	.72	2.05	4.22	.65	2.17	4.91	2.16	2.36	3.11	2.05	.77	27.45
1924	3.61	3.08	4.06	3.09	1.74	.79	3.50	2.78	2.45	2.74	4.01	6.41	38.26
1925	.00	3.58	1.60	4.11	2.06	7.26	2.49	2.17	2.96	3.53	1.72	2.15	33.43
1926	5.57	4.09	5.00	2.19	6.23	3.29	2.74	1.96	2.01	2.32	2.79	1.46	39.65
1927	3.92	2.82	3.86	2.89	3.58	1.35	1.47	2.96	2.26	4.70	5.52	3.68	39.01
1928	3.65	4.97	4.04	2.34	3.48	1.45	4.98	3.71	4.06	3.60	3.55	5.58	42.21
1929	2.87	2.48	2.61	3.27	3.10	3.99	5.31	3.26	1.85	1.15	1.84	5.18	34.59
1930	2.37	2.93	3.78	2.80	2.22	3.96	1.79	3.61	1.49	4.01	2.19	1.14	32.29
1931	4.08	4.23	2.05	2.98	2.81	3.19	2.52	3.66	6.39	3.04	4.82	2.14	42.11
1932	3.12	1.14	3.66	5.83	2.08	5.08	2.56	.91	2.06	2.69	3.32	5.42	37.87
1933	7.36	4.18	1.54	2.59	3.11	6.15	7.75	2.93	1.44	3.93	2.55	8.42	51.75
1934	4.49	1.68	3.41	2.63	2.76	4.86	2.74	2.17	4.30	2.35	.57	6.83	38.79
1935	4.06	2.71	2.43	6.48	3.15	1.57	4.80	1.48	6.29	3.44	1.50	4.83	42.74
1936	.94	5.55	1.33	7.34	2.28	7.06	3.61	2.21	2.38	4.79	3.01	3.30	43.80
1937	1.56	1.03	8.01	4.49	2.10	4.35	5.00	2.80	4.63	.49	3.38	4.22	42.06
1938	3.10	5.25	4.56	3.96	2.39	2.51	8.39	3.52	6.72	12.49	1.99	8.28	58.16
1939	2.87	2.31	3.90	1.99	3.77	4.54	4.71	3.02	3.85	1.28	2.77	1.57	34.88
1940	4.08	.72	3.45	2.43	3.54	4.53	5.30	3.63	2.58	3.15	1.45	3.99	38.85
1941	.56	6.35	4.07	2.94	2.04	2.24	1.04	3.22	1.72	4.89	2.37	.51	31.95
1942	2.65	2.58	4.61	4.01	3.80	6.97	1.53	2.61	2.92	7.82	1.61	1.53	42.59
1943	2.81	4.72	5.74	2.23	1.61	3.32	3.03	4.71	2.08	5.78	2.34	1.08	39.45
1944	5.98	5.07	.96	2.94	2.12	4.00	3.39	1.13	4.93	3.20	1.16	10.70	45.58
1945	2.92	6.09	3.68	2.56	4.96	1.96	3.17	5.34	5.71	4.25	2.68	1.43	44.63

NEW SALEM (South), MASS. (d)
Lat. 42°28'45", Long. 72°20'25". Elevation, 750 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1919	-	-	-	-	-	-	-	-	-	-	3.50	5.15	-
1920	2.71	7.21	2.05	2.30	4.40	3.69	6.54	3.35	5.88	1.83	4.76	7.62	52.34
1921	1.29	4.39	6.00	2.33	2.68	4.30	9.95	3.23	5.27	5.89	3.07	3.42	51.82
1922	3.13	6.46	2.46	1.19	3.06	5.72	1.81	5.94	11.59	3.17	6.60	2.21	53.34
1923	3.33	1.83	3.37	5.90	1.61	2.07	3.79	1.99	3.36	2.94	3.30	1.84	35.33
1924	6.16	4.35	4.30	3.73	1.57	.86	5.11	3.62	1.23	2.90	2.82	6.45	43.10
1925	.06	2.89	2.59	2.35	3.80	4.55	1.54	2.84	4.70	8.07	2.40	5.77	41.36
1926	4.19	2.83	3.02	2.55	3.36	3.36	2.21	1.86	3.47	3.31	4.71	1.27	36.13
1927	6.06	6.31	2.87	2.45	3.22	1.89	1.43	4.63	3.74	5.87	7.04	4.18	49.18
1928	94.30	9.92	5.80	2.14	2.40	1.95	4.78	2.87	7.27	7.54	7.42	4.00	60.46
1929	1.44	2.38	.97	4.24	3.14	3.18	5.99	4.68	3.57	1.15	1.56	3.41	35.71
1930	2.79	3.12	3.50	2.13	1.77	3.47	.85	3.82	4.18	5.61	1.68	3.23	36.15
1931	1.92	3.89	1.53	2.98	1.80	4.11	2.60	5.86	4.57	2.29	6.22	2.09	39.86
1932	3.20	1.99	4.31	4.33	2.35	2.68	2.50	2.34	2.57	8.08	4.26	5.09	43.70
1933	4.13	4.94	2.10	2.51	3.00	5.02	4.91	2.10	3.19	2.78	5.88	8.83	49.39
1934	4.37	1.24	3.56	3.44	2.02	3.89	3.20	4.58	5.80	4.03	3.13	10.10	49.16
1935	2.50	4.55	2.76	5.55	2.73	1.43	2.59	3.00	5.87	3.05	1.16	4.92	40.11
1936	1.26	4.72	1.02	6.89	3.19	9.48	4.37	1.94	4.19	2.81	6.32	6.27	52.36
1937	3.32	2.01	6.51	5.69	2.34	3.45	3.19	5.23	7.42	1.87	7.49	5.19	53.71
1938	5.51	6.64	3.25	-	-	-	-	4.05	8.28	8.14	3.32	12.96	-
1939	2.85	-	-	-	-	-	-	2.87	3.99	1.64	4.64	2.60	-
1940	5.22	.66	4.07	2.82	2.65	5.60	6.85	7.09	3.50	4.36	2.47	2.34	48.63
1941	1.37	-	-	-	-	-	-	-	5.17	-	-	1.12	-
1942	2.94	3.38	4.06	3.93	1.63	7.20	.89	3.55	5.60	4.47	2.47	4.04	44.27
1943	4.29	4.58	6.28	2.57	1.73	3.08	3.88	5.60	1.85	3.59	4.81	1.55	43.79
1944	5.52	5.49	.54	1.28	2.29	4.93	4.44	1.00	8.44	4.66	1.95	5.52	46.04
1945	1.91	3.76	2.20	2.29	-	1.86	6.32	6.48	10.24	7.01	2.98	2.95	-

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NEW SALEM (North), MASS. (d)
Lat. 42°32'25", Long. 72°18'55". Elevation, 590 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	-	3.04	3.63	3.84	2.05	8.07	1.15	8.25	4.55	5.40	2.20	3.60	-
1943	3.94	5.93	8.18	2.62	1.70	3.25	3.77	5.94	2.63	4.84	2.98	1.96	45.74
1944	6.04	5.70	.69	1.10	2.57	4.55	3.64	1.30	8.44	3.81	.89	5.67	44.40
1945	2.18	4.04	2.74	3.29	3.70	2.09	5.84	6.90	8.52	3.33	3.18	3.35	53.94

NEWTON, MASS. (Water Works Pumping Station) (a)
Lat. 42°18'25"N, Long. 71°13'00"W. Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1908	-	-	-	3.54	3.67	3.59	1.58	4.56	1.05	3.74	4.71	0.72	-
1909	3.23	.96	2.88	3.79	5.11	3.88	4.01	2.08	2.95	1.40	3.11	5.07	38.45
1910	1.13	3.65	3.07	5.60	4.03	1.40	2.43	1.51	4.67	1.65	1.08	2.19	32.41
1911	1.32	4.63	2.12	2.50	3.02	2.90	2.74	.47	3.44	4.72	5.20	3.15	36.21
1912	2.84	4.27	3.51	2.84	2.35	5.13	3.84	4.39	.53	4.33	3.06	1.65	38.74
1913	1.86	2.81	4.99	2.76	3.24	5.17	4.60	3.59	.95	1.89	3.33	3.29	38.48
1914	6.65	2.21	3.14	3.54	2.91	5.14	5.40	2.68	1.95	2.13	3.15	.24	39.14
1915	1.73	2.60	3.67	6.98	3.28	.02	3.44	1.46	1.28	9.11	5.69	.99	40.25
1916	2.63	2.68	5.05	1.50	5.13	3.63	4.64	2.93	4.97	4.60	2.90	1.35	42.01
1917	1.50	1.84	2.95	3.17	2.31	4.36	2.60	5.45	4.31	.86	7.19	2.44	38.78
1918	5.71	1.08	2.24	2.95	3.86	2.05	4.86	1.45	2.50	3.88	1.77	9.42	41.57
1919	1.14	1.85	3.36	3.69	3.28	4.51	2.93	5.47	1.53	5.84	5.12	7.63	46.35
1920	2.33	5.30	1.79	3.24	6.33	3.75	5.27	3.87	6.59	1.95	2.11	2.81	45.34
1921	1.18	5.89	4.43	2.84	3.25	2.92	5.87	2.54	4.33	8.47	1.85	1.76	44.80
1922	1.09	6.65	2.42	1.92	3.35	5.31	1.55	5.01	10.36	3.23	5.04	4.22	50.15
1923	2.35	1.20	3.65	7.17	2.18	2.92	5.26	.98	2.70	3.26	1.88	.96	34.49
1924	4.70	4.00	4.99	3.54	2.57	2.30	5.00	2.79	1.43	2.00	6.04	8.21	47.57
1925	.13	1.90	1.72	3.75	1.94	6.30	2.71	2.28	4.10	5.24	.95	3.58	34.60
1926	3.97	3.48	5.42	2.79	5.78	3.12	2.26	2.71	1.53	3.88	4.50	1.26	40.70
1927	3.76	4.49	3.84	2.44	3.57	1.34	1.92	3.24	1.96	5.99	8.61	2.65	43.51
1928	4.63	4.74	5.21	2.56	3.46	1.73	5.08	3.40	8.63	5.19	3.10	4.05	49.78
1929	3.77	2.08	2.80	3.94	3.68	3.04	8.00	3.13	2.82	1.44	1.83	1.75	38.28
1930	2.87	3.18	4.14	3.08	2.48	3.24	2.14	5.10	1.96	3.17	2.64	.47	32.37
1931	5.49	3.98	3.04	3.59	3.65	5.16	2.76	4.73	9.08	2.19	4.98	1.98	50.33
1932	2.42	.95	3.41	5.73	2.44	5.52	1.46	2.13	2.81	1.91	4.76	5.90	39.44
1933	8.18	5.00	2.15	2.46	3.27	7.12	6.73	2.60	2.05	2.27	2.96	10.82	55.41
1934	3.55	1.12	4.03	4.28	3.66	5.09	3.20	2.35	4.43	1.89	1.97	6.00	41.67
1935	3.50	2.96	2.51	6.11	3.11	1.79	6.90	1.61	5.57	2.52	3.15	3.65	43.38
1936	.82	5.28	.89	7.81	3.34	7.66	3.34	1.94	2.25	1.24	5.97	6.12	46.64
1937	1.72	1.41	8.34	4.17	1.86	3.59	4.94	2.82	3.07	1.03	4.69	3.48	41.12
1938	4.06	5.19	4.12	3.93	1.98	2.30	2.73	4.31	6.86	10.28	3.93	6.97	

NORFOLK, MASS.
Lat. 42°07'30", Long. 71°19'00". Elevation, 244 feet.

[illegible]

NORTH ADAMS, MASS. (Broad Brook Reservoir, Water Works)
 Lat. 42°44'45", Long. 73°11'15". Elevation, 900 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1900	-	-	-	4.52	5.76	4.67	1.82	2.50	3.72	4.72	7.50	1.48	-
1901	3.94	4.95	2.87	1.54	.58	4.75	6.03	5.10	2.28	4.47	8.64	3.79	48.94
1902	2.12	2.00	6.60	1.75	1.93	5.67	5.54	3.94	6.66	5.52	4.15	3.71	49.59
1903	3.97	1.64	5.45	2.78	4.00	4.21	2.36	.85	10.11	4.18	7.96	1.41	48.72
1904	5.08	2.25	2.58	5.36	1.63	3.01	93.72	2.92	7.00	3.52	5.49	6.28	46.84
1905	3.54	1.56	2.10	3.91	1.58	3.71	1.93	1.61	5.56	4.87	5.08	4.47	39.92
1906	2.28	2.54	3.72	2.23	2.42	3.31	3.74	5.57	4.20	6.13	3.21	2.08	41.43
1907	3.15	2.22	2.52	2.48	1.17	1.65	2.54	2.37	2.53	4.75	1.24	6.39	34.09
1908	6.20	3.54	3.32	1.93	3.11	1.76	7.69	4.22	3.52	5.99	3.40	.48	45.17
1909	1.82	.98	2.40	3.52	4.03	2.31	1.78	3.07	3.32	1.15	5.49	4.23	34.10
1910	1.16	1.86	2.03	5.41	4.03	1.21	2.99	5.54	2.77	2.27	1.83	4.84	35.94
1911	1.60	3.16	2.26	3.62	1.22	3.75	1.67	1.48	3.95	1.80	4.48	4.36	33.55
1912	4.85	3.56	2.87	2.49	1.61	3.89	3.62	5.93	2.06	2.80	4.23	2.09	40.00
1913	5.11	3.23	4.37	3.83	2.98	6.80	2.76	2.86	1.21	4.77	1.21	3.05	42.28
1914	4.28	2.62	2.48	2.50	1.80	4.45	6.06	1.63	2.87	4.08	3.85	.48	36.60
1915	1.33	2.28	1.81	4.04	5.29	.27	2.73	1.60	1.50	9.10	4.57	4.17	38.69
1916	2.46	1.79	8.12	2.22	2.79	3.60	1.84	2.84	3.56	4.24	2.27	5.59	41.82
1917	1.51	4.62	3.07	2.43	1.80	3.27	1.26	2.40	3.45	1.77	3.75	1.37	30.70
1918	6.21	.68	2.30	2.98	1.90	1.66	2.06	2.82	3.24	2.86	2.87	7.10	36.68
1919	2.72	1.94	3.40	2.47	1.83	6.12	1.84	6.11	2.20	2.96	6.14	6.41	44.14
1920	4.03	5.86	1.81	1.72	4.63	3.70	5.28	2.22	4.22	3.32	4.96	3.33	45.08
1921	5.11	5.43	4.34	1.83	2.94	4.80	3.31	2.06	3.76	3.75	2.93	2.77	43.03
1922	1.72	5.39	2.09	1.91	2.13	4.16	4.63	3.94	8.20	1.86	5.62	1.95	43.60
1923	1.59	1.69	2.35	5.33	1.29	2.06	2.87	2.08	4.68	4.65	2.48	3.81	34.88
1924	5.39	4.20	3.76	5.90	1.71	.78	5.64	5.45	1.95	3.67	4.54	5.84	42.33
1925	1.79	2.68	1.67	2.59	3.25	5.34	2.57	2.65	5.50	4.61	3.80	5.73	42.18
1926	3.87	3.83	1.64	1.82	4.45	2.51	3.21	1.49	3.53	3.04	4.06	2.81	36.26
1927	5.65	4.06	2.47	2.37	2.82	2.29	1.39	3.91	3.84	3.39	3.03	2.38	37.70
1928	5.40	9.35	4.88	3.86	2.53	2.20	3.75	3.74	5.39	5.42	7.94	2.17	56.63
1929	.88	1.41	1.79	2.77	3.38	4.36	6.30	3.62	3.25	1.53	1.07	2.41	32.77
1930	1.77	1.94	2.75	2.47	1.73	3.53	1.32	4.25	3.63	3.75	1.68	2.49	31.51
1931	1.99	3.00	1.27	2.18	1.38	3.21	2.87	4.78	4.30	5.56	2.52	3.98	37.04
1932	2.32	1.72	3.15	4.88	1.72	3.09	3.05	3.25	2.45	5.42	4.55	2.95	38.55
1933	3.42	4.79	1.25	2.02	2.98	3.13	5.67	1.61	2.70	2.43	3.66	5.81	39.47
1934	3.23	1.62	3.89	3.35	2.47	3.10	3.89	3.55	9.11	2.43	2.00	3.85	41.49
1935	2.59	3.10	3.78	5.23	2.46	2.17	2.12	2.65	3.78	7.43	1.46	3.62	40.39
1936	.61	4.91	1.40	4.94	2.26	7.00	3.41	3.09	3.34	2.18	7.32	2.03	42.49
1937	3.58	2.71	4.71	4.63	2.62	3.60	3.03	2.42	3.42	3.37	3.72	3.76	41.57
1938	3.57	3.49	1.65	3.09	1.91	1.82	4.23	2.16	4.37	9.90	3.73	10.38	50.30
1939	1.67	2.90	2.88	1.28	4.07	3.00	5.23	1.04	3.17	3.44	4.27	3.28	36.49
1940	3.53	3.20	2.34	1.73	1.74	5.04	3.78	4.41	2.05	6.50	1.20	6.70	42.22
1941	1.10	4.14	3.71	1.33	.51	.83	.80	2.28	3.22	6.40	2.05	3.13	29.50
1942	3.05	1.68	3.93	1.73	2.03	4.87	2.05	3.72	1.79	6.60	1.28	4.50	37.23
1943	3.00	5.23	3.69	2.50	1.97	1.31	3.72	5.21	2.49	3.34	5.25	.79	40.50
1944	3.44	6.46	.83	1.54	2.35	3.68	2.94	1.41	4.01	3.91	2.57	6.34	39.48
1945	2.95	3.01	3.10	3.54	1.92	1.13	3.78	5.87	5.81	6.04	2.43	3.43	43.01

NORTH ADAMS, MASS. (Notch Brook Reservoir, Water Works)
 Lat. 42°40'30", Long. 73°08'00". Elevation, 1,200 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1900	-	-	-	3.95	6.54	3.42	2.03	2.87	3.75	4.63	4.39	1.20	-
1901	2.80	3.59	1.69	1.85	1.15	4.07	6.15	5.46	2.20	4.69	6.83	3.41	43.89
1902	2.30	2.29	7.42	1.85	2.03	5.10	6.40	2.17	4.96	4.72	4.01	3.89	47.14
1903	4.46	.99	5.75	1.68	3.86	4.64	1.74	.63	9.16	3.58	7.64	1.56	45.49
1904	3.55	1.92	4.02	3.80	2.13	3.34	3.64	2.78	4.09	2.04	4.53	5.45	41.27
1905	2.28	1.40	2.54	4.14	1.16	2.39	2.14	1.70	3.87	3.95	5.62	5.19	36.38
1906	1.88	2.49	3.34	2.59	2.82	3.93	3.02	4.58	2.69	5.90	3.67	1.91	38.82
1907	3.18	2.11	3.04	2.98	3.09	1.48	1.83	2.47	3.35	3.15	1.00	6.48	34.16
1908	8.00	3.36	3.75	2.14	6.11	2.09	1.98	4.63	2.23	5.02	3.70	.60	43.61
1909	1.22	.24	3.00	4.50	4.38	3.45	4.22	2.90	4.14	1.78	4.76	3.98	38.55
1910	1.49	2.10	2.13	4.78	5.35	1.01	3.08	3.92	3.88	2.17	1.87	3.97	35.75
1911	1.52	3.43	2.29	3.36	2.02	4.72	1.34	2.24	3.75	2.45	5.19	5.19	37.50
1912	6.26	3.47	2.70	2.59	1.10	4.96	3.82	2.83	1.72	2.49	1.66	2.49	36.09
1913	4.57	2.89	2.15	2.69	1.65	5.55	3.63	3.63	1.10	3.47	1.63	2.85	34.33
1914	4.44	2.70	2.79	2.90	4.13	4.61	6.04	1.71	2.31	3.59	4.16	.39	39.77
1915	1.06	2.01	2.42	3.89	4.44	.55	2.36	1.53	2.01	8.05	4.75	2.49	35.66
1916	2.41	2.03	6.15	1.85	4.11	4.93	3.49	3.08	3.25	4.28	2.60	4.20	42.38
1917	1.81	4.71	3.15	3.18	2.49	2.99	1.49	2.63	3.17	2.37	3.77	.97	32.73
1918	5.19	.87	2.61	2.55	2.89	1.41	2.28	4.15	2.66	1.67	1.85	5.16	33.29
1919	2.71	2.18	3.77	2.87	1.13	4.03	1.65	6.31	1.98	2.98	5.15	5.74	40.50
1920	3.03	4.05	2.04	2.44	4.60	5.08	4.78	1.18	3.94	5.16	2.87	6.05	45.22
1921	2.11	5.95	4.04	1.30	1.76	3.93	4.49	2.54	3.76	5.20	3.40	1.96	40.44
1922	1.97	6.00	1.19	1.99	2.38	5.17	2.41	4.62	3.53	2.54	5.40	1.47	43.67
1923	1.70	1.51	1.88	7.13	2.23	1.97	3.64	1.78	3.45	2.82	2.83	3.77	34.71
1924	4.94	5.63	1.86	3.11	2.01	1.17	5.77	3.66	1.45	2.65	4.79	5.32	42.36
1925	.04	2.73	2.51	2.98	3.67	2.55	2.73	2.47	4.67	5.32	2.74	3.85	36.26

NORTH ADAMS, MASS. (Notch Brook Reservoir, Water Works)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	3.94	4.67	2.06	3.04	4.18	2.77	2.79	1.20	2.88	2.77	2.63	2.54	35.47
1927	4.68	3.98	3.00	4.83	3.50	2.72	1.36	3.67	2.34	5.50	2.22	1.08	38.98
1928	5.38	11.07	4.16	3.27	2.96	4.20	3.15	2.86	6.51	4.93	4.11	2.49	54.77
1929	.91	1.69	1.39	3.94	3.55	4.24	7.31	3.67	3.07	1.52	1.55	2.28	34.92
1930	1.94	2.50	3.20	2.57	2.71	4.87	1.55	3.44	3.08	3.02	1.38	1.88	31.92
1931	1.64	3.72	1.25	2.66	1.58	2.83	2.97	4.17	4.56	4.40	3.06	3.59	36.23
1932	2.26	1.44	3.24	4.95	2.74	2.76	1.97	2.32	1.96	3.43	2.77	1.90	31.74
1933	3.36	5.75	1.17	2.67	3.77	3.17	5.09	1.59	1.58	1.49	5.74	5.08	40.46
1934	2.70	1.38	2.91	2.91	2.90	2.14	4.34	2.44	5.85	1.87	2.38	5.99	37.81
1935	1.83	4.93	3.22	4.91	2.16	2.50	2.37	2.18	4.56	5.27	1.39	3.73	39.05
1936	1.09	3.63	1.28	5.25	2.09	6.84	3.95	2.84	1.75	1.51	4.49	1.71	36.23
1937	3.40	2.29	5.92	3.65	2.74	2.80	3.36	5.92	4.10	1.89	3.43	5.65	45.08
1938	5.07	3.60	1.46	4.60	1.66	1.73	3.03	3.18	4.18	5.09	2.73	8.72	45.08
1939	1.92	4.50	3.47	1.89	2.54	3.49	5.06	.61	2.21	2.11	2.47	2.77	33.04
1940	3.78	1.19	2.67	1.49	3.61	5.08	5.38	4.69	2.51	3.51	2.54	3.93	39.98
1941	.95	4.68	3.24	3.46	2.08	2.15	.53	3.08	4.03	5.29	4.26	1.93	36.68
1942	3.27	2.52	4.26	2.36	1.38	7.12	2.10	3.75	2.14	6.59	1.29	5.26	42.04
1943	4.39	5.75	5.67	2.53	1.82	3.13	5.55	8.03	2.80	6.52	3.88	1.07	51.14
1944	3.96	7.31	.97	1.75	2.53	4.03	4.55	1.84	4.57	6.00	1.43	6.01	44.95
1945	2.36	3.87	3.52	4.61	4.30	2.08	6.59	5.14	7.25	8.69	2.69	5.04	56.32

NORTHAMPTON, MASS. (Hancock Street)
Elevation, 125 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1881	-	-	-	4.06	3.84	5.11	1.87	5.28	4.43	2.79	3.31	2.15	-
1882	3.39	4.79	5.70	4.65	4.44	3.69	1.76	6.05	2.59	2.38	.75	12.41	52.60
1883	1.59	.99	2.31	3.03	4.39	1.84	2.75	5.71	3.38	4.59	1.43	3.20	35.21
1884	4.83	1.95	3.37	4.80	6.09	5.68	2.65	2.74	2.04	5.80	6.89	.82	47.66
1885	3.49	4.16	8.41	4.66	3.21	1.07	3.52	2.33	3.68	2.58	7.98	1.12	43.99
1886	5.32	6.99	3.97	5.61	4.33	3.32	3.57	3.46	2.33	5.17	2.07	6.23	52.37
1887	3.85	6.32	4.21	6.66	5.85	5.33	4.32	1.73	4.91	8.91	6.73	1.74	60.56
1888	2.35	3.83	5.51	4.68	4.96	5.75	4.07	5.27	6.69	2.78	5.11	13.43	64.43
1889	5.95	5.41	4.59	-	-	-	-	-	-	-	-	-	-

NORTHAMPTON, MASS. (Leeds)
Elevation, 350 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1883	-	-	-	3.21	4.23	2.46	3.12	5.15	2.45	4.08	1.79	2.90	-
1884	4.79	1.84	3.16	4.98	5.61	5.27	2.75	3.48	1.75	5.50	7.26	1.18	47.67
1885	2.23	3.45	6.41	4.66	4.42	1.14	3.71	1.53	3.50	2.61	7.14	.93	41.73
1886	5.18	6.84	2.42	6.06	2.71	3.28	3.24	3.77	2.23	3.64	2.05	6.01	47.43
1887	3.97	5.66	3.66	6.60	5.69	5.60	4.21	1.90	5.07	7.70	8.92	1.56	60.54
1888	2.59	3.31	6.40	5.93	4.77	7.71	3.37	6.04	4.00	3.35	5.77	11.00	64.24
1889	5.78	5.72	3.29	4.46	1.81	1.53	2.63	4.00	7.17	9.44	2.62	5.16	53.61
1890	4.15	7.30	3.29	2.99	4.53	5.81	1.96	5.43	2.11	6.24	5.86	6.75	56.41
1891	7.91	1.42	3.25	5.34	4.47	3.83	4.85	2.32	6.04	5.52	3.81	2.82	54.59
1892	2.76	2.80	4.72	8.28	2.29	2.68	1.14	6.19	4.23	3.79	6.72	2.15	44.75
1893	.62	4.93	3.38	.83	6.35	3.15	3.31	8.29	2.72	1.68	5.51	2.23	42.90
1894	5.57	2.80	4.79	2.26	3.97	1.16	1.96	6.62	1.52	.80	.26	4.36	36.07
1895	6.57	3.25	4.64	3.58	1.29	2.12	5.12	1.88	4.04	4.40	3.31	3.27	42.27
1896	6.71	4.00	4.93	1.99	6.70	11.45	1.87	2.58	2.94	4.72	3.74	6.19	57.82
1897	2.97	3.87	1.04	3.75	3.52	3.48	2.32	4.34	6.56	12.36	4.89	2.24	51.34
1898	.88	5.66	5.46	6.41	4.45	2.44	4.36	7.04	4.77	3.57	6.87	3.22	55.13
1899	7.49	6.54	3.84	3.34	3.80	7.77	1.93	1.61	5.54	7.00	3.03	6.87	58.76
1900	2.41	2.39	2.65	3.65	8.70	5.00	1.85	5.03	2.27	3.59	4.17	1.84	43.55
1901	3.46	5.91	2.95	-	-	-	-	-	-	-	-	-	-

NORTHAMPTON, MASS. (Mt. Nonotuck)
Elevation, 850 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	-	-	-	5.39	4.05	3.69	3.41	3.27	2.09	4.52	2.10	4.46	-
1887	3.03	5.27	3.45	6.36	5.23	4.32	4.23	1.13	5.84	7.28	7.89	1.71	55.84
1888	2.20	3.61	5.06	4.46	4.87	6.98	3.02	4.76	4.61	3.16	4.81	10.18	57.72
1889	5.13	4.76	4.70	-	-	-	2.08	3.84	5.36	9.53	2.32	4.84	-
1890	3.05	6.92	3.18	3.38	4.00	4.56	1.75	4.23	2.63	5.46	5.74	6.21	51.11
1891	6.91	1.25	2.57	7.94	5.63	2.66	3.13	1.97	3.49	5.98	5.65	2.33	49.51
1892	2.69	2.50	4.01	4.69	2.76	2.20	.75	4.57	2.85	3.80	6.63	1.67	39.12
1893	.56	5.19	1.24	3.45	6.51	3.72	-	-	-	-	-	-	-
1894	-	2.13	5.17	3.06	2.50	1.48	1.85	3.39	.25	2.02	.63	4.12	-
1895	5.29	3.71	4.08	3.96	1.35	1.51	3.41	2.08	4.24	5.00	3.64	4.06	42.53
1896	4.76	4.08	3.42	.76	3.95	7.08	1.43	2.70	3.06	4.62	3.20	6.17	45.23
1897	3.41	2.85	1.01	3.42	2.44	3.42	2.63	4.14	5.73	15.37	3.68	1.62	49.72
1898	.75	5.95	5.65	6.84	5.30	-	4.04	-	-	-	-	-	-

PRECIPITATION RECORDS

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NORTHBIDGE, MASS. (Whitinsville) (a)
 Lat. 42°06'30", Long. 71°40'00". Elevation, 350 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1872	-	-	-	1.80	1.28	3.51	1.52	2.88	4.10	5.40	8.08	5.48	-
1873	3.32	4.05	3.28	1.66	4.62	2.04	3.18	4.20	.20	2.96	5.96	2.98	38.45
1874	6.22	3.88	4.50	4.46	4.08	1.42	6.70	2.96	3.48	4.24	5.36	1.68	48.98
1875	.68	2.20	2.39	2.46	4.58	4.50	4.08	2.80	4.68	2.64	4.00	2.26	37.25
1876	4.74	4.98	.88	1.56	3.92	9.64	4.92	2.56	1.90	5.38	.68	4.38	45.54
1877	2.20	5.44	3.56	3.48	1.26	9.88	2.98	3.58	3.28	1.40	8.64	1.36	46.06
1878	8.68	7.08	1.12	6.53	4.54	4.60	5.58	.96	3.85	3.34	4.96	1.18	52.22
1879	5.60	6.62	6.10	2.15	4.06	4.28	5.96	1.60	4.68	3.30	6.40	1.72	52.47
1880	.48	2.60	3.58	3.62	4.24	3.00	3.12	1.50	1.82	4.32	4.18	1.94	33.90
1881	3.34	1.80	2.32	5.60	5.36	6.48	2.12	2.25	4.40	2.46	1.14	1.70	38.97
1882	3.72	3.41	4.06	5.28	4.52	3.00	2.36	4.76	1.40	1.64	1.48	7.80	42.43
1883	2.14	1.24	2.72	3.40	4.32	2.04	1.80	5.55	2.11	1.81	.87	1.81	29.81
1884	5.93	2.04	2.89	6.63	6.76	5.16	5.17	3.31	4.89	3.22	4.59	1.04	51.63
1885	2.88	2.65	5.78	5.49	4.76	1.20	3.21	4.14	1.74	.91	7.34	1.97	42.07
1886	4.69	4.08	3.50	5.81	7.14	3.70	3.34	3.49	1.73	4.37	4.35	3.58	49.78
1887	3.26	5.05	5.36	6.64	5.34	5.52	5.59	1.54	2.68	5.56	5.72	1.43	51.74
1888	3.12	2.66	5.28	4.76	4.51	7.50	3.10	4.79	2.15	1.54	5.67	8.23	53.29
1889	5.11	7.17	5.42	7.09	1.78	2.01	3.90	2.72	4.08	10.51	4.78	4.41	58.98
1890	5.05	5.95	3.04	2.71	3.58	8.27	2.87	5.00	2.27	2.02	5.63	4.98	51.17
1891	9.94	1.03	5.66	7.95	5.36	6.46	3.16	1.75	3.14	3.91	3.65	2.51	54.52
1892	4.13	3.30	3.93	5.71	2.01	3.40	0.83	6.76	4.75	4.64	7.51	2.73	49.70
1893	1.41	6.89	1.26	3.60	7.90	4.59	3.65	7.14	2.49	1.02	4.56	1.69	46.20
1894	5.79	2.54	4.95	3.66	3.60	1.79	3.49	4.01	.95	1.83	3.55	2.29	38.45
1895	5.11	3.69	3.81	3.87	.95	2.91	3.92	2.55	3.21	3.26	4.16	2.86	40.50
1896	9.87	6.23	3.01	2.04	5.94	6.01	.88	1.79	4.01	2.40	2.66	6.92	51.76
1897	3.28	3.14	1.50	2.88	2.83	4.01	2.56	3.92	3.41	6.56	4.46	1.81	40.36
1898	.52	6.62	5.08	3.59	4.22	2.23	4.15	3.59	2.95	8.99	5.82	3.18	50.93
1899	6.29	5.66	2.80	3.83	3.21	5.50	2.08	1.27	3.22	4.31	1.19	4.40	42.76
1900	2.32	2.54	1.72	4.16	7.92	6.21	2.56	4.70	5.02	3.32	3.00	3.02	46.59
1901	4.11	5.82	2.69	1.61	.90	6.56	8.12	6.56	1.67	4.70	6.85	4.61	54.20
1902	2.67	2.62	8.69	2.34	4.07	4.31	2.94	1.78	2.78	3.42	3.28	4.58	42.48
1903	4.94	.92	6.28	3.94	4.11	6.48	3.34	.78	9.04	3.56	4.54	1.14	49.50
1904	4.41	1.55	3.15	3.82	4.29	2.95	8.47	1.82	2.76	3.47	4.84	5.69	45.50
1905	1.74	1.72	2.99	4.07	1.68	2.65	3.07	1.15	5.15	4.26	3.81	6.38	38.65
1906	1.85	2.53	3.60	2.60	2.77	5.58	3.28	6.40	3.09	4.62	1.93	3.68	41.93
1907	5.59	2.57	4.13	3.00	1.93	1.56	2.66	3.52	3.26	2.03	.98	8.59	39.82
1908	4.75	6.67	4.31	3.53	5.04	3.83	2.20	5.02	2.04	3.66	6.57	1.04	48.66
1909	2.46	1.04	3.26	3.08	5.55	3.90	4.56	2.76	2.39	2.30	3.28	5.35	39.93
1910	1.20	2.84	3.83	6.36	4.43	.76	2.19	1.33	4.97	1.66	1.83	1.94	33.34
1911	1.71	4.09	2.23	3.04	2.24	3.44	2.87	2.46	1.70	3.39	5.77	5.00	37.94
1912	3.78	5.01	3.58	2.42	2.50	6.79	4.08	4.85	.56	3.68	3.22	1.33	41.68
1913	2.22	3.82	5.28	3.65	2.78	6.07	4.52	3.62	1.61	2.81	4.83	3.80	45.31
1914	7.00	2.95	3.08	3.76	2.99	5.09	4.69	2.79	1.61	3.16	4.25	.28	41.95
1915	1.83	2.82	3.64	7.36	3.58	.03	2.03	2.34	2.27	6.92	6.18	1.52	42.52
1916	3.01	2.63	4.91	1.61	6.49	3.50	3.94	3.58	5.60	5.14	1.52	2.07	42.98
1917	1.67	2.71	2.88	2.96	3.22	4.15	1.96	4.83	4.70	1.16	8.62	1.59	40.49
1918	6.08	.76	2.71	3.37	2.82	3.20	3.40	4.11	4.62	3.35	1.58	8.63	44.65
1919	1.04	2.77	3.28	3.90	2.20	5.46	3.54	5.32	1.60	3.43	5.87	6.99	45.40
1920	2.88	5.72	2.15	3.10	5.80	4.76	4.91	3.95	6.67	2.87	1.95	4.55	49.31
1921	1.14	5.11	4.83	3.05	2.97	2.74	5.57	3.03	3.07	7.53	2.30	1.67	43.01
1922	.82	9.12	2.46	1.80	2.87	5.57	1.72	4.59	6.51	3.96	5.79	3.18	46.51
1923	2.79	1.43	3.16	6.59	1.90	3.11	5.70	1.03	4.63	3.68	2.59	1.68	38.28
1924	5.53	6.11	5.00	3.59	2.23	2.17	5.37	3.07	1.70	3.99	5.34	5.31	49.41
1925	.21	2.77	1.74	3.74	2.12	5.08	2.61	2.69	4.41	6.46	1.23	2.25	35.31
1926	4.13	3.30	4.61	2.54	4.39	2.63	2.10	2.29	1.92	4.33	4.38	1.54	38.16
1927	4.17	5.58	4.23	3.08	3.12	1.52	2.42	3.18	2.30	3.16	7.45	2.94	43.17
1928	6.59	10.67	5.63	2.66	3.55	1.95	5.16	1.33	5.31	5.56	3.62	3.19	54.82
1929	3.71	2.24	2.50	4.14	4.01	3.09	7.45	3.86	3.78	1.04	2.78	2.44	41.04
1930	3.71	3.04	4.06	2.78	2.29	3.50	2.40	2.67	1.99	3.70	1.44	.78	32.36
1931	3.64	4.20	2.63	3.28	2.97	5.65	2.92	4.63	7.64	1.84	6.07	1.20	46.67
1932	2.06	.96	3.12	5.13	2.22	5.62	2.26	1.96	1.90	1.63	5.92	7.84	40.62
1933	6.33	5.94	1.99	2.16	3.87	6.51	5.47	2.32	2.23	2.86	3.80	9.08	52.56
1934	3.35	1.28	4.03	4.07	3.68	3.88	4.68	4.40	4.82	2.61	2.45	8.49	47.74
1935	3.12	2.55	3.75	6.30	3.18	1.74	4.43	3.20	6.17	2.71	3.17	3.43	43.75
1936	.65	4.91	1.06	7.76	3.31	10.62	3.27	2.00	2.43	2.95	6.72	6.39	52.07
1937	2.67	1.54	8.80	4.61	2.19	3.74	6.14	2.51	3.86	3.81	6.31	3.31	49.49
1938	4.59	8.00	3.46	4.83	2.82	2.68	2.72	4.39	7.56	11.62	2.79	8.79	65.85
1939	1.44	3.28	3.16	2.65	4.70	4.27	4.65	1.10	2.98	1.39	7.03	2.12	38.77
1940	4.95	1.03	3.12	2.67	4.78	3.66	5.41	5.53	2.72	3.74	1.48	2.62	41.71
1941	1.71	6.56	2.64	3.44	3.01	2.67	1.40	3.17	3.87	5.28	4.56	.52	38.83
1942	1.90	3.03	3.03	4.32	2.87	7.68	1.14	2.25	4.49	4.73	2.50	1.56	39.50
1943	3.80	4.83	9.01	3.59	1.52	4.58	3.57	5.24	2.10	5.32	.98	.96	45.50
1944	5.13	4.08	1.16	1.72	2.52	5.01	4.85	.91	4.20	2.63	2.20	8.78	43.19
1945	2.87	6.22	3.71	3.27	4.90	2.45	3.07	5.97	5.94	3.97	3.90	1.58	47.85

NORTHFIELD, MASS. (Northfield Schools)^(a)
 Lat. 42°42'45", Long. 72°26'20". Elevation, 380 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	-	-	-	-	-	-	3.23	2.78	3.10	1.91	-
1932	2.39	1.46	3.76	4.46	2.23	3.96	2.57	2.30	1.26	3.86	3.31	5.76	35.34
1933	3.90	5.80	1.77	2.47	3.16	4.80	6.61	1.70	1.51	2.86	6.73	7.13	48.43
1934	4.36	1.41	3.63	3.13	2.42	2.96	4.14	3.05	5.08	3.75	3.69	9.39*	47.01
1935	2.42	3.26	3.33	5.21	2.83	1.65	2.69	1.95	4.38	4.74	.97	5.60	39.03
1936	1.33	4.65	1.28	5.86	3.20	9.24	4.22	1.37	2.60	3.05	5.22	2.41	44.43
1937	3.10	2.13	6.26	5.54	2.35	4.09	3.80	6.58	6.27	1.34	2.61	3.82	47.89
1938	3.95	5.84	2.64	4.70	1.95	1.69	2.39	3.42	7.09	6.36	2.20	12.91	55.14
1939	2.46	5.18	4.07	3.03	3.43	3.59	4.69	1.67	4.14	1.97	3.35	2.27	37.85
1940	3.81	.78	3.11	2.22	2.68	5.06	4.18	5.07	3.13	2.63	1.48	1.90	36.00
1941	.97	5.87	3.53	2.61	2.02	1.90	.67	1.94	2.96	5.30	4.25	.85	32.87
1942	2.00	3.24	3.55	3.19	1.90	5.30	1.45	4.05	2.82	6.19	1.94	3.38	39.04
1943	4.40	4.09	5.09	2.62	1.90	3.26	3.94	5.81	2.30	4.41	3.62	3.22	44.66
1944	4.44	5.31	.55	1.69	2.22	4.61	3.46	.88	5.44	5.86	2.30	8.23	44.99
1945	2.12	3.59	2.61	3.86	3.52	2.11	6.07	6.84	6.17	5.54	3.45	2.22	48.10

NORWOOD, MASS. (Ellis Station)^(a)
 Lat. 42°12'50", Long. 71°11'25". Elevation, 90 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	2.51	3.08	4.82	4.41	2.71	1.69	2.24	4.23	2.53	-
1914	7.29	2.31	3.02	2.23	2.88	3.18	4.97	2.78	1.13	3.34	5.25	.38	38.78
1915	1.73	2.68	4.13	7.09	3.27	.02	2.04	1.51	1.24	11.46	4.81	.63	40.81
1916	2.81	2.41	5.25	1.21	4.51	2.40	4.25	3.56	4.80	7.90	2.23	1.61	42.94
1917	1.41	1.71	2.81	3.23	1.85	4.08	2.27	5.80	4.58	4.48	11.40	2.26	41.96
1918	6.05	.75	2.00	3.05	2.89	2.10	4.54	1.21	2.80	6.41	2.04	8.94	42.81
1919	.87	2.12	3.25	3.55	2.92	4.72	3.03	5.67	1.77	5.05	4.78	6.65	44.38
1920	2.83	4.64	1.73	2.08	4.97	3.64	5.26	3.88	6.90	2.70	4.38	3.39	46.60
1921	1.20	6.02	3.62	2.52	2.14	2.54	6.25	2.80	3.98	8.18	1.24	2.10	42.59
1922	1.31	6.12	1.96	2.07	2.45	5.36	1.50	5.51	10.33	4.31	5.90	4.86	51.68
1923	2.39	.95	2.87	5.60	1.35	2.73	5.50	1.00	3.15	3.51	1.56	.95	31.56
1924	4.78	2.97	4.81	3.09	2.45	2.69	5.33	3.28	1.52	2.55	5.48	8.40	47.35
1925	.17	1.91	1.56	3.30	1.79	5.55	2.68	2.29	2.61	6.41	1.16	5.09	34.52
1926	4.46	3.91	6.04	2.24	3.99	2.62	2.10	3.00	1.26	3.42	7.11	1.24	41.39
1927	4.16	4.60	3.50	2.19	3.09	1.41	1.84	2.91	1.89	3.22	8.20	3.26	40.27
1928	4.68	4.97	4.77	1.75	2.91	1.50	6.10	2.88	5.96	4.00	2.54	4.69	46.75
1929	3.36	1.82	2.64	3.85	2.99	2.67	7.50	3.78	5.60	.87	2.56	1.45	39.09
1930	2.87	2.98	4.30	2.95	2.29	2.99	1.80	2.98	1.55	3.69	3.00	.30	31.70
1931	4.72	3.78	2.75	3.25	3.13	4.93	3.26	4.81	9.44	3.06	6.01	2.00	51.14
1932	2.42	.79	2.05	4.96	1.79	5.58	1.37	1.66	2.38	2.70	5.05	5.97	36.72
1933	8.99	6.29	1.46	2.13	3.16	5.91	6.00	2.46	1.63	2.24	3.39	9.68	53.34
1934	3.79	.88	3.95	3.59	3.88	4.24	3.13	2.99	5.02	1.25	2.01	5.41	40.14
1935	3.57	3.23	2.52	5.92	2.73	1.35	7.27	2.09	6.04	1.71	3.15	2.78	42.36
1936	.54	4.22	.92	7.08	3.07	7.13	2.71	1.66	2.72	2.81	7.19	6.96	47.01
1937	1.72	1.03	8.73	4.12	1.72	3.59	4.71	3.33	3.53	1.07	5.12	3.58	42.25
1938	3.69	5.87	3.44	3.16	1.97	2.30	1.85	5.29	8.38	10.58	4.95	5.80	57.28
1939	3.03	2.54	2.21	2.23	2.81	3.64	4.44	1.50	2.72	1.61	3.30	2.42	32.95
1940	6.10	1.37	3.01	2.21	4.15	3.59	5.26	3.46	4.29	3.53	2.18	2.47	39.82
1941	.96	6.08	2.27	2.69	1.90	2.06	1.47	2.58	4.22	4.61	2.59	.25	31.68
1942	1.51	2.25	3.22	3.58	2.94	7.16	1.42	2.18	2.55	6.45	2.59	2.34	37.98
1943	3.38	4.13	5.21	3.26	1.28	3.32	2.84	4.35	1.65	3.49	.92	1.06	34.93
1944	4.53	2.78	1.10	1.96	2.29	4.41	3.68	.39	3.51	2.79	7.53	39.37	
1945	2.56	5.34	2.72	1.87	3.99	1.92	2.46	5.04	5.58	3.54	3.34	1.76	41.12

OAKHAM, MASS. (Coldbrook Springs)^(a)
 Lat. 42°23'20", Long. 72°03'00". Elevation, 750 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1924	-	95.09	4.30	3.83	1.68	1.12	5.12	2.36	1.18	2.71	5.11	5.28	-
1925	0.08	3.46	2.22	2.30	1.73	4.99	2.80	2.43	4.54	4.60	1.48	4.63	35.26
1926	4.57	3.03	2.27	2.43	2.96	2.52	2.37	1.72	2.20	2.67	2.57	1.67	30.98
1927	4.74	5.28	3.85	3.02	3.05	1.71	2.15	4.07	2.85	7.80	7.15	3.10	48.70
1928	4.71	6.98	5.74	2.42	3.25	1.74	4.25	2.60	6.49	6.72	5.89	8.55	54.34
1929	1.80	1.89	1.57	4.06	3.01	3.26	5.25	4.55	2.80	.79	1.79	2.68	33.56
1930	2.20	3.02	2.84	1.91	1.96	3.14	1.53	2.67	3.90	8.39	1.39	2.58	35.55
1931	2.77	2.59	1.35	2.83	2.14	4.72	2.51	4.60	5.18	3.39	7.92	2.55	42.55
1932	3.00	1.50	3.08	4.92	1.72	5.53	1.71	1.41	1.82	4.34	3.81	6.46	39.10
1933	5.54	3.83	1.89	-	-	-	-	-	-	-	-	-	-

OTIS, MASS. (Otis Reservoir)
 Lat. 42°09'25", Long. 73°03'30". Elevation, 1,430 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1925	-	-	-	2.35	2.48	3.20	2.95	2.73	4.20	7.66	1.45	3.05	-
1926	3.98	3.65	1.95	2.42	4.22	3.20	2.50	1.10	2.47	4.00	4.92	2.00	36.41
1927	4.71	4.55	3.00	2.56	3.16	1.65	1.72	5.45	4.44	4.93	8.53	3.05	47.75
1928	8.12	10.88	5.88	3.05	2.87	2.70	6.19	2.32	5.69	6.91	10.00	3.20	67.31
1929	.50	2.20	1.44	4.33	4.12	2.64	7.40	3.50	2.05	.73	2.40	2.92	34.03
1930	5.08	3.09	2.90	1.97	1.57	3.74	2.12	4.08	4.14	4.97	2.82	2.95	39.43

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Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	1.78	3.57	2.65	2.48	2.69	4.46	2.75	8.18	4.87	3.43	4.42	2.65	48.95
1932	2.83	1.90	4.06	5.79	2.84	3.70	1.92	2.31	4.38	5.45	4.10	2.29	41.55
1933	6.70	7.60	1.74	2.67	2.38	5.35	6.35	2.60	2.85	3.05	9.00	9.20	59.49
1934	2.65	1.18	2.91	3.92	2.21	3.94	3.79	4.47	5.25	2.45	4.75	8.70	46.20
1935	2.85	5.09	2.98	4.11	1.86	1.93	2.14	2.60	4.69	2.75	.80	3.80	35.10
1936	.74	5.47	1.00	4.61	2.70	9.43	4.38	3.14	1.48	1.46	5.20	2.55	42.16
1937	4.62	1.74	6.55	5.43	2.85	4.43	3.77	4.30	4.18	5.60	5.55		53.35
1938	6.95	4.67	2.40	5.02	2.09	2.71	2.54	3.80	4.25	6.73	7.76	14.62	84.59
1939	1.65	2.87	3.31	2.38	3.50	3.79	4.87	.82	3.87	2.35	6.34	8.23	38.78
1940	5.18	1.50	2.48	2.69	2.81	5.17	4.93	6.82	3.48	2.99	1.83	2.63	42.51
1941	1.78	4.83	2.65	1.68	2.61	1.98	1.10	2.51	5.32	5.20	3.80	.55	34.01
1942	3.05	3.40	4.48	3.34	1.64	6.95	1.20	4.45	5.10	6.30	2.10	4.65	46.66
1943	3.00	6.70	5.13	2.87	2.92	3.06	2.20	5.40	2.90	5.50	1.90	1.70	43.08
1944	5.25	5.53	.90	1.00	2.90	3.55	4.70	.60	4.25	6.05	3.45	5.95	44.13
1945	2.05	4.32	3.31	4.10	3.68	2.20	5.12	7.35	7.25	7.75	3.10	4.60	54.83

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	3.36	2.21	5.72	4.29	3.71	0.96	2.50	4.01	3.44	-
1914	8.15	4.19	2.08	2.40	3.35	4.06	4.70	2.13	2.67	4.26	2.74	.52	41.25
1915	1.72	2.83	2.42	6.14	4.46	.30	2.18	2.65	4.79	6.78	7.27	3.02	44.58
1916	2.40	2.14	4.56	1.66	3.86	2.33	3.42	2.62	4.02	6.11	2.78	5.00	41.10
1917	1.78	3.94	2.73	3.28	1.85	3.27	1.27	3.66	4.79	3.17	1.66	1.51	32.91
1918	5.60	2.25	1.45	2.85	3.43	1.59	3.26	2.99	4.16	2.62	5.35	5.64	41.19
1919	1.61	2.47	3.29	2.23	3.02	4.45	2.41	7.28	1.78	4.26	3.24	4.52	40.56
1920	3.25	5.31	2.51	2.15	3.89	2.89	6.24	1.88	6.75	3.69	5.81	6.33	60.70
1921	1.48	4.55	5.37	2.48	2.73	4.67	5.04	1.77	3.02	4.05	4.41	2.71	42.38
1922	1.92	5.00	1.90	2.07	2.96	7.29	1.90	5.76	7.80	5.13	5.32	1.21	48.26
1923	2.97	1.49	2.77	5.32	1.78	2.01	2.78	3.55	3.77	3.50	4.08	3.55	27.37
1924	6.45	2.45	3.66	2.95	2.03	1.37	6.99	4.06	2.06	2.94	5.65	7.91	46.20
1925	.05	3.41	1.87	2.77	2.89	4.24	3.65	3.60	5.07	6.86	1.21	4.08	41.70
1926	3.64	3.64	2.37	2.85	4.14	3.12	2.37	1.99	2.64	4.62	4.89	2.09	38.36
1927	5.07	4.44	2.79	2.49	3.18	2.14	1.62	4.99	2.97	6.48	7.88	2.00	46.03
1928	7.40	11.07	4.75	1.90	2.89	1.67	4.20	2.44	5.48	6.86	10.24	3.16	62.06
1929	.91	1.76	1.10	2.88	3.74	4.07	8.77	4.23	2.90	1.13	2.29	3.26	37.02
1930	4.36	3.06	3.19	1.87	1.88	3.07	2.14	3.29	5.25	4.16	2.92	1.59	36.78
1931	1.85	3.87	1.50	1.71	1.79	3.58	2.45	8.02	4.98	5.72	4.16	2.25	41.98
1932	2.83	1.58	3.51	2.37	2.42	3.91	1.90	2.02	4.05	4.99	4.59	2.91	39.45
1933	5.51	6.69	1.52	5.24	2.72	5.13	2.55	2.78	2.47	3.67	3.99	1.18	50.49
1934	3.12	1.41	1.38	2.29	2.19	3.33	4.83	6.07	6.20	3.62	3.66	9.00	50.91
1935	2.71	4.43	2.49	3.58	2.83	2.31	2.32	1.71	5.36	4.69	.82	3.31	36.56
1936	1.44	5.73	1.21	5.17	3.02	8.94	4.53	3.19	1.92	2.26	6.40	4.84	48.85
1937	2.94	1.80	5.82	5.62	2.89	3.74	3.54	5.04	6.01	2.43	10.55	5.97	56.45
1938	6.99	4.56	3.11	3.83	1.81	2.53	3.13	3.92	9.37	9.27	4.94	13.71	66.87
1939	2.13	3.88	2.80	2.24	3.59	3.22	4.13	.95	4.81	2.71	4.95	3.40	38.79
1940	4.20	1.50	2.24	1.95	2.55	4.93	4.77	7.10	4.38	2.80	3.53	2.75	42.45
1941	1.67	4.91	2.50	2.18	2.20	2.07	.80	2.18	6.78	5.24	3.88	1.02	35.43
1942	3.33	2.81	4.46	3.13	1.47	5.72	1.29	4.50	6.15	7.50	2.26	5.56	48.18
1943	5.70	4.70	5.11	3.50	1.54								

[illegible]

PRECIPITATION RECORDS

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PELHAM, MASS. (a)

Lat. 42°28'30", Long. 72°28'40". Elevation, 1,180 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	-	-	-	-
1940	5.22	1.00	4.16	2.19	2.25	4.83	6.11	7.09	3.05	4.44	7.08	2.64	44.10
1941	1.51	7.64	2.82	2.09	2.11	1.10	.90	3.87	5.73	5.88	3.73	1.87	39.55
1942	2.79	3.58	3.81	2.99	1.19	6.14	.68	3.50	6.06	5.62	2.17	4.54	42.97
1943	4.34	5.92	5.13	2.63	1.70	2.48	3.29	6.48	1.84	6.54	3.60	1.77	45.72
1944	4.97	6.29	.63	1.26	1.88	4.04	4.50	1.84	7.72	4.01	2.51	7.44	47.09
1945	2.40	4.51	2.81	2.49	3.87	1.80	6.55	7.43	10.12	7.70	3.31	3.00	55.99

PELHAM, MASS. (West Pelham) (a)

Lat. 42°22'40", Long. 72°27'30". Elevation, 600 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1937	-	2.21	4.81	5.12	2.19	3.60	4.70	5.52	6.83	3.56	7.44	4.87	-
1938	5.43	5.73	3.04	4.68	2.05	2.01	3.04	4.88	8.41	9.08	4.11	13.64	65.90
1939	2.77	3.15	3.63	2.70	3.80	4.67	5.23	1.70	4.15	2.35	4.20	2.98	41.31
1940	5.29	1.26	3.61	2.57	2.93	5.09	5.96	4.48	3.07	3.98	2.17	2.00	45.41
1941	1.61	6.96	2.57	2.54	1.83	2.14	.90	3.33	6.43	6.58	3.78	1.27	39.94
1942	2.38	2.93	4.22	3.53	1.56	7.07	1.05	3.31	4.87	5.22	1.76	4.21	42.13
1943	4.22	5.39	5.43	3.35	1.51	3.55	3.46	7.21	2.03	6.77	3.68	2.18	48.73
1944	4.36	6.50	.60	1.59	2.21	4.65	4.41	2.11	6.25	3.53	3.17	6.60	45.98
1945	1.97	4.25	2.95	3.13	3.88	1.90	5.99	7.80	10.46	6.61	2.89	2.58	54.41

PEMBROKE, MASS. (Brockton Water Works Pumping Station) (a)

Lat. 42°01'40", Long. 70°48'30". Elevation, 65 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	1.36	3.73	3.27	3.78	4.09	4.40	7.15	2.30	2.05	-
1917	2.75	3.02	2.81	3.42	1.71	4.68	3.65	4.98	4.84	2.21	5.59	2.71	42.37
1918	5.50	.24	2.29	3.84	2.71	2.67	5.17	1.25	3.02	4.86	1.73	5.76	38.54
1919	.71	1.88	5.44	4.63	3.28	4.86	3.70	3.64	4.52	5.63	6.87	7.21	50.17
1920	2.69	5.14	2.46	2.89	5.46	4.69	4.57	4.92	7.73	3.40	2.49	3.92	50.36
1921	1.79	4.33	3.66	2.65	2.23	3.72	6.82	3.43	4.98	10.33	2.32	1.28	47.66
1922	1.12	7.79	2.51	2.35	3.51	5.18	1.63	4.74	5.17	4.80	10.95	2.80	52.35
1923	2.96	1.46	4.49	6.56	1.65	3.53	5.47	1.80	2.58	3.67	2.30	1.36	37.13
1924	4.35	2.10	5.24	2.71	1.57	3.72	5.40	2.50	1.86	1.17	7.33	3.26	41.21
1925	.15	1.61	2.18	3.57	1.87	4.01	2.52	3.12	2.15	4.98	1.49	3.40	31.05
1926	4.49	3.91	5.66	2.93	4.06	2.74	2.19	3.54	2.84	3.01	4.42	1.12	40.91
1927	5.89	4.33	2.86	2.74	3.20	1.56	2.02	2.34	2.32	5.25	9.84	2.52	44.87
1928	2.73	4.20	5.18	2.58	3.51	1.52	4.13	1.66	4.74	4.13	2.08	3.49	39.90
1929	3.41	2.28	6.39	3.28	3.46	3.85	7.88	3.28	.68	3.00	2.72	3.17	40.55
1930	2.18	3.57	5.51	2.93	3.52	2.62	1.68	2.58	3.21	2.58	2.42	.40	33.00
1931	3.83	4.19	3.26	2.78	2.64	5.37	3.13	5.08	7.71	4.95	4.64	2.48	50.06
1932	3.11	1.06	3.10	6.17	2.01	6.24	1.13	1.82	2.79	1.38	7.71	5.09	41.52
1933	6.91	6.47	1.77	2.39	2.79	5.33	8.41	2.05	2.58	2.76	2.53	12.88	56.67
1934	3.82	1.42	3.33	4.17	3.54	3.94	3.25	2.49	3.87	.49	2.52	2.67	35.51
1935	4.31	3.16	2.72	5.49	2.91	1.81	7.65	2.00	4.49	3.01	2.11	3.48	43.14
1936	1.55	7.64	1.28	6.78	2.07	6.12	3.29	1.38	3.42	3.08	4.92	8.98	50.49
1937	1.80	1.21	3.63	4.07	1.13	3.43	4.74	2.28	3.35	1.11	6.84	4.79	44.38
1938	4.09	4.70	3.65	3.28	2.87	2.50	2.80	3.19	9.37	7.61	1.67	6.03	51.98
1939	2.74	2.32	3.31	2.59	3.88	5.29	4.53	1.33	3.38	.86	4.21	1.98	36.52
1940	5.56	1.86	2.30	2.00	5.41	3.34	7.62	5.02	1.69	4.17	1.70	3.79	44.46
1941	1.86	6.62	2.32	3.38	1.84	2.24	2.71	2.76	4.12	3.89	2.37	.25	34.36
1942	1.87	1.75	2.68	3.29	2.15	7.29	1.10	1.53	3.88	3.58	3.79	2.56	35.55
1943	3.58	4.86	3.41	2.68	1.43	2.56	3.26	5.14	2.66	3.41	4.17	1.70	38.86
1944	3.32	3.11	1.14	2.23	1.62	3.65	3.34	.31	3.94	.41	.73	7.16	30.96
1945	2.10	7.49	3.38	3.64	3.39	2.14	2.02	4.75	4.31	2.87	2.47	1.59	40.15

PEPPERELL, MASS. (East Pepperell) (a)

Lat. 42°40'00", Long. 71°34'40". Elevation, 225 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1935	-	-	-	-	-	-	-	-	-	-	1.19	6.09	-
1936	0.73	5.09	1.21	8.49	3.17	8.07	3.56	3.98	3.02	2.07	4.22	3.39	47.00
1937	2.51	1.44	7.47	4.69	2.36	3.79	5.58	4.21	5.55	2.37	3.00	3.76	48.73
1938	4.13	6.69	4.10	3.62	2.07	2.18	2.87	3.59	7.25	12.73	3.51	8.62	61.26
1939	2.23	3.00	3.24	2.67	3.55	5.06	4.48	1.31	2.40	2.87	2.55	1.79	35.15
1940	4.32	1.02	2.19	2.67	5.41	3.40	6.04	6.18	1.95	4.52	1.34	2.80	41.84
1941	.89	6.73	2.70	3.49	2.22	2.34	.78	3.14	2.05	4.07	3.28	.59	32.28
1942	2.62	2.91	3.55	3.98	3.05	7.65	1.35	3.55	4.00	6.57	2.49	3.04	44.24
1943	3.27	5.12	5.97	3.94	1.32	3.61	3.99	3.95	5.30	2.02	2.75	43.89	
1944	5.39	5.28	.73	2.40	2.50	4.45	4.12	.80	9.03	2.19	.49	7.21	44.59
1945	2.17	4.87	4.54	3.95	4.52	1.82	4.31	5.55	6.00	4.66	3.12	1.09	46.60

PERU, MASS. (a)
 Lat. 42°26'50", Long. 72°02'20". Elevation, 1,700 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	3.58	2.48	6.25	3.12	3.43	0.62	2.09	1.90	3.41	-
1914	6.49	5.10	1.80	1.71	3.35	4.79	4.94	2.81	2.22	3.07	5.01	.44	41.83
1915	1.39	2.69	2.66	5.75	5.24	.22	2.93	1.72	2.67	10.91	7.11	2.26	45.55
1916	2.26	2.23	7.04	2.44	5.21	3.75	4.06	3.41	3.88	5.00	4.17	5.29	48.94
1917	1.43	4.02	3.06	3.29	2.25	4.18	1.42	4.24	5.92	3.42	2.77	1.40	37.41
1918	5.84	.66	2.88	3.39	3.40	2.15	3.71	3.55	3.43	1.84	3.06	6.47	40.32
1919	2.10	2.56	3.48	2.62	2.76	4.25	2.34	7.29	1.57	7.08	4.20	5.82	46.11
1920	3.84	5.49	2.12	2.41	6.39	4.69	5.60	1.92	5.52	2.47	4.26	7.37	52.09
1921	1.57	6.52	4.76	1.94	2.63	5.79	4.79	1.79	3.04	5.57	3.91	3.47	45.78
1922	1.98	6.71	2.01	2.08	2.46	7.23	2.90	4.02	8.24	3.62	4.83	2.57	48.76
1923	2.07	1.84	2.84	5.96	2.05	2.21	3.25	2.69	3.78	3.71	3.04	4.10	37.54
1924	6.45	4.36	4.01	3.42	2.31	1.04	8.23	3.79	2.50	5.88	3.76	7.91	52.76
1925	.05	3.90	2.52	2.85	3.28	4.16	3.38	2.83	5.14	7.98	2.16	3.22	41.58
1926	3.39	4.85	2.48	3.02	4.50	3.27	2.78	1.44	3.38	3.22	3.84	3.22	39.39
1927	5.25	5.20	2.80	3.07	4.15	1.66	1.55	5.85	3.14	6.50	4.72	1.99	45.93
1928	7.45	10.24	5.73	2.75	5.13	2.64	4.22	2.91	7.24	7.45	8.12	3.11	55.06
1929	1.14	2.27	1.32	5.11	5.20	3.22	7.83	2.89	2.10	1.18	1.91	3.92	35.89
1930	3.30	3.89	3.46	2.50	1.68	5.14	1.85	3.61	4.48	5.89	3.04	1.12	39.96
1931	1.51	3.63	1.60	2.43	2.94	4.96	2.07	6.27	4.97	5.02	3.29	2.92	41.61
1932	2.40	1.13	2.64	4.47	1.92	4.39	2.15	2.29	2.07	4.22	3.35	2.78	34.29
1933	6.15	5.26	2.15	2.45	3.33	5.32	4.68	2.97	3.26	3.37	7.62	9.19	58.98
1934	2.78	1.27	3.05	3.48	3.05	2.50	2.20	4.10	6.90	6.91	3.74	9.69	46.77
1935	2.62	4.88	3.27	4.21	4.35	2.39	2.59	2.89	5.54	3.93	1.90	4.32	42.89
1936	2.00	6.14	1.61	5.76	2.29	10.32	4.33	3.78	1.53	1.94	5.49	3.87	49.56
1937	3.43	2.54	5.65	5.48	3.89	4.79	3.94	4.94	6.31	2.25	6.08	6.40	55.90
1938	7.47	5.55	3.00	4.44	2.02	2.23	2.63	3.73	7.38	8.46	3.76	12.36	62.04
1939	2.11	3.72	4.31	3.47	3.85	3.94	3.35	2.25	3.53	1.73	4.72	4.54	44.52
1940	4.88	1.90	3.06	2.83	3.92	6.88	5.54	6.06	3.40	3.04	2.69	2.64	46.84
1941	1.17	5.00	2.90	2.69	2.79	2.50	1.17	3.70	3.15	4.22	5.15	1.73	36.17
1942	2.70	2.06	4.29	3.42	2.18	8.12	2.09	5.26	3.35	6.87	3.36	5.40	49.10
1943	4.58	5.23	4.23	2.21	1.65	2.52	3.57	7.31	4.20	5.76	4.21	1.01	46.88
1944	4.74	4.69	.72	1.48	2.19	5.65	3.86	2.21	5.15	4.68	2.24	5.81	42.52
1945	2.66	5.26	3.62	4.32	4.42	2.03	6.24	7.60	10.55	10.88	3.35	3.63	64.62

PETERSHAM, MASS. (Harvard Forest) (b)
 Lat. 42°32'1", Long. 72°11'1".

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	1.90	2.73	4.48	6.07	5.33	2.35	3.82	1.73	2.45	-
1941	1.08	6.42	2.61	1.64	1.68	1.13	.67	2.05	3.29	3.90	2.04	1.42	27.93
1942	2.17	3.09	2.76	2.94	1.53	6.48	.78	2.78	4.21	4.53	1.26	2.86	35.49
1943	2.67	5.62	4.47	1.87	1.38	2.32	3.49	4.97	1.94	4.51	2.66	1.72	37.43
1944	5.08	5.78	.72	1.09	1.91	4.29	3.74	.91	9.51	4.32	.66	6.40	44.41
1945	1.42	3.43	2.47	2.71	3.91	1.66	4.87	5.30	7.92	6.02	3.27	3.27	46.25

PETERSHAM, MASS. (Harvard Forest) (d)
 Lat. 42°31'40", Long. 72°11'20". Elevation, 1,080 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	1.36	2.35	2.65	3.09	3.28	4.73	6.95	4.41	7.24	-
1917	1.23	3.93	3.20	2.84	3.64	4.35	1.75	4.49	5.39	1.80	5.22	.78	38.62
1918	5.84	1.25	1.61	3.35	3.18	2.04	3.30	2.11	4.87	2.14	2.80	7.50	39.69
1919	.99	2.67	4.05	3.05	2.82	5.17	2.09	5.96	1.92	5.22	4.80	5.14	43.88
1920	3.68	6.62	1.79	3.11	7.44	2.36	4.79	2.89	4.23	3.30	5.80	5.14	51.15
1921	1.51	4.90	6.35	3.05	3.98	2.44	5.32	2.13	2.62	5.73	4.00	3.09	45.12
1922	2.28	5.28	2.87	2.03	2.84	3.55	1.92	2.86	11.17	4.71	4.94	4.40	48.96
1923	3.28	1.78	2.56	6.47	1.81	2.71	4.00	1.69	2.38	2.34	3.25	1.26	32.63
1924	5.20	5.09	4.88	4.57	2.05	1.65	5.88	3.32	1.71	2.50	3.32	5.35	45.52
1925	.00	3.60	1.84	2.69	2.57	4.79	3.20	4.49	4.25	6.14	2.70	4.82	38.89
1926	4.19	3.59	2.84	3.27	3.95	2.10	2.20	1.94	2.74	2.78	2.43	1.20	33.33
1927	5.56	5.62	2.77	2.78	3.66	1.13	1.74	4.15	3.07	5.64	4.33	3.06	44.01
1928	4.88	5.77	6.00	2.23	3.08	2.34	4.58	2.90	8.18	6.08	6.53	3.37	55.94
1929	2.18	2.10	2.00	4.53	3.63	4.21	6.03	3.28	4.62	1.21	1.62	3.25	38.66
1930	1.73	2.55	3.55	2.87	1.69	3.45	1.70	3.21	3.32	4.49	1.42	1.86	31.84
1931	2.35	3.55	2.24	2.83	2.39	4.23	2.73	5.01	3.62	2.50	5.89	1.84	39.18
1932	3.86	1.37	3.82	5.34	2.96	5.41	1.92	2.26	1.48	4.91	3.24	4.24	40.32
1933	5.00	4.29	2.21	3.08	3.99	5.49	7.69	2.37	1.97	2.51	7.38	10.06	56.04
1934	4.93	1.77	4.22	3.81	4.72	3.66	3.94	3.69	4.97	2.65	2.63	6.31	49.61
1935	2.42	4.54	2.33	7.09	3.43	2.23	4.12	2.32	5.34	2.08	1.49	4.70	42.89
1936	1.11	5.04	1.04	7.51	3.41	9.35	4.04	2.40	3.40	2.43	5.33	4.31	49.67
1937	3.04	2.40	6.91	5.26	2.14	3.60	4.37	4.58	6.15	3.31	3.60	4.71	50.67
1938	4.37	6.40	2.67	4.57	2.39	2.12	3.05	4.05	7.43	8.19	3.29	15.78	64.31
1939	2.17	3.97	3.73	3.18	5.15	4.49	4.70	2.06	2.72	.97	2.66	2.01	37.81
1940	4.58	.99	4.20	1.90	4.21	5.57	6.86	5.82	2.47	4.09	2.09	2.54	45.32
1941	1.25	6.96	3.34	3.13	2.12	2.48	.87	2.22	3.61	4.18	3.09	.89	34.14
1942	2.12	2.43	2.94	3.32	2.19	5.94	2.09	4.37	3.61	5.00	1.53	3.02	36.78
1943	2.73	5.76	4.42	1.31	1.34	2.44	3.72	5.21	1.92	4.52	2.99	1.70	38.66
1944	5.05	5.75	.73	1.13	1.83	4.34	3.59	9.11	9.48	4.28	.63	6.40	44.12
1945	1.49	3.54	2.61	2.44	3.95	1.70	4.90	5.29	3.72	6.03	3.20	3.09	45.96

PETERSHAM, MASS. (Nichewaug) (d)
Lat. 42°25'30", Long. 72°12'10"

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1939	-	-	-	-	-	-	-	-	-	1.21	3.75	2.18	-
1940	4.46	1.01	3.69	2.15	2.66	5.28	7.08	6.31	2.60	4.28	2.12	2.18	45.82
1941	1.07	6.61	3.05	2.41	1.59	1.89	.66	3.66	3.27	4.51	2.26	1.10	31.58
1942	2.44	3.54	3.18	4.19	1.94	6.50	.94	3.35	5.79	4.81	1.92	3.59	41.99
1943	3.34	5.56	3.74	3.22	2.95	-	3.62	5.53	1.68	4.70	5.32	1.51	-
1944	5.48	6.36	.74	1.34	1.57	4.52	4.61	1.43	8.08	3.62	1.97	7.01	46.53
1945	1.96	3.79	2.33	2.89	2.92	1.50	5.31	6.70	9.17	8.01	3.09	1.60	49.27

PHILLIPSTON, MASS. (Athol Water Works) (a)
Lat. 42°36'20", Long. 72°09'50". Elevation, 1,190 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	-	-	-	1.70	0.92	3.25	3.28	2.57	2.46	1.73	4.86	0.37	-
1915	1.79	2.18	2.60	3.01	3.98	.10	2.94	1.72	1.90	9.9-	5.15	1.35	36.66
1916	2.99	2.18	4.02	.93	2.78	1.87	3.35	2.88	5.81	5.91	3.18	5.72	41.62
1917	1.41	3.28	.89	1.25	1.05	1.55	1.64	1.92	5.26	2.11	3.88	.86	25.17
1918	3.82	1.22	1.98	.53	1.75	.42	3.09	2.47	5.05	2.63	.79	6.88	30.63
1919	1.18	2.45	2.25	.00	.23	4.88	2.85	6.31	1.34	6.87	3.62	6.29	38.03
1920	2.83	7.22	2.51	-	-	-	-	-	-	-	-	-	-
1921	.80	3.99	11.75	1.99	2.23	3.78	7.02	3.36	3.67	6.75	3.18	1.23	39.96
1922	1.79	6.35	2.49	1.78	2.67	5.21	1.65	4.97	12.74	5.61	4.14	2.92	52.02
1923	3.31	1.51	3.55	4.55	2.16	2.27	4.37	1.54	2.05	2.44	2.29	1.29	31.33
1924	5.41	5.30	4.28	3.86	1.92	.81	4.97	3.58	2.42	2.34	2.87	5.23	42.99
1925	.01	3.46	1.83	2.20	2.25	4.51	3.15	3.05	4.51	7.23	2.36	3.61	38.17
1926	4.05	3.72	2.59	2.88	3.01	3.98	2.42	1.51	2.75	2.92	2.36	1.31	33.50
1927	5.52	5.37	2.81	1.90	3.03	1.13	1.33	3.02	5.25	6.96	2.39	42.77	
1928	5.16	8.65	5.69	2.05	2.35	1.96	4.05	2.55	7.47	6.34	6.56	3.59	56.32
1929	1.87	2.08	11.91	4.02	4.03	3.34	5.27	4.76	5.20	1.14	1.42	1.96	36.28
1930	1.80	2.47	2.91	2.16	1.80	3.59	1.21	2.56	2.65	4.77	.98	2.29	29.19
1931	2.21	3.58	1.19	1.71	2.24	3.81	2.84	4.52	3.81	2.41	5.62	2.47	36.41
1932	3.70	1.41	4.35	4.00	1.68	5.22	1.97	1.92	1.98	5.12	3.29	5.39	40.03
1933	4.56	4.44	1.61	2.37	3.61	4.79	5.65	2.54	2.21	2.70	6.44	8.57	49.29
1934	4.62	1.63	3.06	3.12	2.18	3.57	3.99	3.14	5.34	3.89	2.43	7.92	44.99
1935	2.51	4.28	3.61	5.77	2.71	1.71	2.39	2.62	5.15	2.67	1.47	4.34	39.23
1936	1.11	4.12	.80	6.42	2.29	8.73	4.24	2.45	3.08	2.66	6.47	4.56	47.20
1937	3.09	2.14	6.68	5.22	1.88	3.32	4.12	4.38	8.66	3.41	3.84	4.60	51.34
1938	4.40	5.73	2.12	4.28	1.81	1.83	2.71	3.00	7.81	8.11	5.59	16.57	63.76
1939	2.47	2.94	3.12	2.62	3.37	3.59	4.47	1.65	2.73	1.18	3.26	2.10	33.50
1940	3.87	.87	3.62	1.80	2.29	5.01	5.64	6.03	3.02	3.29	1.71	2.52	39.67
1941	1.30	6.29	3.06	2.22	1.79	.86	.87	2.30	3.68	3.68	3.28	.83	30.16
1942	2.34	3.05	2.67	3.24	1.92	7.22	1.19	2.78	4.92	6.35	1.55	3.26	40.49
1943	3.77	4.66	4.90	2.47	1.41	2.48	3.45	5.87	2.14	5.86	2.62	1.49	41.10
1944	5.17	6.35	.55	1.41	1.85	4.05	3.51	1.34	6.85	4.52	.59	5.40	43.87
1945	1.73	3.17	2.51	2.94	3.64	1.56	5.68	5.50	7.52	5.66	2.44	3.90	46.25

PITTSFIELD, MASS. (Airport) (b)
Lat. 42°26', Long. 73°17'. Elevation, 1,153 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1943	-	-	-	-	-	-	-	6.37	3.65	6.69	5.72	1.42	-
1944	3.90	6.21	0.72	1.58	2.64	4.00	4.26	2.65	5.86	7.34	3.11	5.43	47.70
1945	2.39	4.17	2.98	2.79	2.62	1.93	6.66	5.70	6.42	8.34	3.97	3.38	51.35

PITTSFIELD, MASS. (City Hall) (b)
Lat. 42°26'50", Long. 73°15'10". Elevation, 1,037 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1894	-	-	-	-	-	1.13	1.76	3.82	2.00	3.48	1.28	5.91	-
1895	3.64	3.08	3.35	2.29	1.40	1.85	4.17	2.32	2.35	4.34	2.38	3.62	34.79
1896	2.23	4.33	3.83	1.13	5.03	6.63	1.30	1.40	3.40	4.15	3.90	6.70	44.03
1897	2.74	2.62	1.41	3.52	2.46	3.13	3.87	3.66	5.01	12.19	4.61	1.28	46.33
1898	1.55	7.05	5.77	5.80	3.74	2.35	3.59	5.33	7.36	2.87	9.26	2.41	57.08
1899	8.04	4.82	2.46	2.42	3.07	6.55	.87	2.51	2.82	8.84	2.56	5.82	50.88
1900	1.56	1.77	2.60	3.89	6.80	3.83	2.27	2.99	3.62	2.12	4.69	1.89	38.03
1901	2.52	4.38	2.08	1.28	.78	4.96	5.97	6.56	1.38	3.30	7.52	4.80	45.53
1902	1.84	2.80	7.07	1.64	2.07	5.12	3.32	2.41	6.08	6.87	2.94	5.10	47.16
1903	4.33	.94	5.32	2.76	3.82	4.83	2.04	.82	11.38	4.27	5.49	1.03	47.12
1904	4.78	2.32	3.35	2.26	2.07	2.67	3.43	2.48	4.62	2.61	5.48	4.05	40.60
1905	2.28	1.50	2.71	4.64	.95	3.50	1.79	1.33	4.29	4.80	6.08	4.43	38.50
1906	2.88	2.37	2.49	2.08	2.04	4.97	3.55	4.36	2.36	5.38	3.94	3.62	40.04
1907	3.31	2.21	2.45	3.25	1.72	1.13	2.07	3.27	4.61	2.37	1.58	7.90	35.87
1908	7.13	3.34	3.99	3.06	4.17	2.22	1.84	4.19	2.45	4.07	3.53	.53	40.52
1909	1.42	.67	2.74	4.09	4.13	4.50	3.56	1.85	3.30	1.76	6.58	3.38	37.98
1910	.96	1.77	2.74	3.80	4.03	1.50	3.25	4.45	2.84	2.86	2.89	5.32	36.47
1911	1.10	3.45	1.99	2.91	1.48	3.51	2.00	.66	4.37	1.83	5.91	3.39	32.60
1912	5.41	2.87	2.95	2.19	1.67	4.53	5.16	5.73	1.38	2.28	3.76	5.13	43.16
1913	4.46	2.79	3.89	3.67	3.21	5.77	3.16	3.15	1.06	2.22	1.50	2.80	37.26
1914	2.84	2.27	3.03	3.77	2.51	3.77	2.74	2.23	4.45	4.36	.50	3.22	32.22
1915	1.53	1.76	1.96	3.48	5.63	.25	1.13	1.36	2.52	9.07	5.64	2.35	36.48

HYDROLOGY OF MASSACHUSETTS

PITTSFIELD, MASS. (City Hall) ^(b)—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	2.39	1.58	7.82	2.67	3.27	3.89	3.07	2.47	3.51	5.05	1.76	5.80	43.28
1917	1.10	4.63	5.80	3.30	2.48	3.65	1.60	2.85	4.19	4.27	2.78	.98	35.63
1918	5.91	.45	2.27	3.22	2.75	3.12	2.89	4.35	3.24	2.00	2.65	7.10	39.95
1919	2.78	2.45	5.56	2.93	2.12	5.60	2.57	6.91	1.60	5.11	3.47	4.60	45.70
1920	3.65	5.05	1.45	1.77	4.45	3.63	3.06	1.18	4.75	2.85	3.89	4.41	40.12
1921	4.50	4.23	5.48	1.91	1.91	4.25	5.70	1.65	2.00	4.25	3.51	3.68	42.07
1922	2.89	6.66	2.15	2.10	2.29	5.28	3.57	3.87	9.38	4.81	6.32	2.56	51.88
1923	2.23	1.96	2.19	6.25	2.01	1.50	2.65	2.17	3.92	3.59	2.84	3.93	35.24
1924	5.21	3.78	3.95	2.87	1.87	1.10	5.43	3.53	1.53	2.70	5.81	7.00	44.78
1925	.06	2.57	2.52	2.36	3.33	3.34	2.94	3.15	4.94	5.70	2.30	2.45	35.66
1926	3.61	4.50	1.80	1.83	4.17	3.29	2.78	2.08	3.75	3.76	5.63	4.42	41.62
1927	4.92	4.14	2.15	3.04	3.05	2.18	1.31	4.58	2.25	4.73	3.47	2.04	37.81
1928	5.93	10.44	5.69	3.47	3.50	2.27	3.50	5.83	6.09	5.92	7.35	1.58	61.08
1929	1.05	2.10	1.00	2.80	3.13	3.84	6.30	2.87	3.07	.49	1.49	3.45	31.54
1930	1.64	2.31	3.18	2.23	1.88	3.74	1.49	3.58	3.13	5.07	1.98	1.80	31.99
1931	1.26	3.35	.99	2.52	1.27	2.41	2.14	5.44	4.27	7.68	4.21	4.45	39.99
1932	2.30	2.00	3.79	5.52	1.59	4.82	2.20	1.62	2.83	4.36	4.31	2.37	37.31
1933	3.32	6.27	2.03	2.19	3.23	4.75	3.86	1.64	1.43	1.88	6.52	8.18	45.30
1934	3.09	1.51	3.44	4.29	2.50	3.18	3.22	2.97	5.40	5.00	2.19	6.23	41.22
1935	1.83	4.62	2.77	2.47	2.28	1.79	2.23	2.26	4.62	4.66	1.37	4.03	36.73
1936	2.04	4.58	1.13	4.62	1.66	5.88	4.76	2.82	2.40	2.55	7.33	2.81	42.58
1937	3.01	2.80	3.84	5.06	2.07	3.13	2.55	3.86	5.90	1.15	7.11	5.08	45.54
1938	4.43	2.43	2.85	2.97	1.58	.82	1.88	2.44	5.75	8.94	4.27	10.50	49.91
1939	1.82	2.82	2.88	4.13	1.90	1.93	5.25	1.37	3.19	1.35	2.99	4.90	34.33
1940	4.29	1.22	2.07	1.59	2.42	3.42	2.75	4.27	3.40	2.92	3.01	2.57	33.73
1941	.90	4.97	3.00	1.87	1.92	1.49	.63	2.59	3.17	6.24	5.77	1.21	33.78
1942	2.90	1.48	3.25	1.77	2.02	5.85	1.57	3.80	2.41	6.03	1.49	5.32	37.99
1943	3.08	5.81	5.24	2.48	1.32	3.25	3.76	6.62	3.13	5.11	4.71	1.25	45.76
1944	3.27	5.14	.49	2.15	2.36	4.47	3.45	2.38	4.57	6.19	3.33	4.96	42.76
1945	1.75	3.91	3.30	3.49	2.41	1.42	5.56	4.91	5.88	8.55	2.33	2.73	46.24

PLAINFIELD, MASS. ^(a)
Lat. 42°31'00", Long. 72°54'50". Elevation, 1,650 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	3.20	5.46	1.61	1.94	4.46	4.62	6.24	2.03	7.11	3.71	3.49	7.96	51.83
1921	1.54	7.18	5.82	1.74	2.38	5.48	5.75	4.51	3.37	4.01	3.12	3.12	48.02
1922	2.27	7.22	1.84	2.11	2.44	8.55	2.75	6.44	9.76	2.83	5.37	2.47	52.05
1923	2.83	1.74	2.96	5.18	2.37	1.80	3.36	3.28	3.70	3.30	3.24	4.58	38.36
1924	7.19	3.97	4.06	3.07	2.20	1.05	5.01	4.74	1.77	4.38	3.60	9.06	50.08
1925	.04	3.10	1.49	2.43	3.86	4.18	3.10	2.99	4.52	11.15	2.38	3.95	43.19
1926	3.91	5.01	2.47	2.93	3.31	3.28	2.65	1.48	3.41	3.23	3.56	3.25	38.49
1927	5.02	4.99	2.19	2.32	3.44	1.73	1.75	4.45	3.80	3.77	3.43	2.36	40.46
1928	7.15	10.24	5.90	3.35	3.14	2.23	4.24	4.45	5.89	5.93	7.54	3.83	96.39
1929	.71	1.95	1.12	3.70	3.34	3.57	6.97	3.37	2.52	.74	2.10	2.78	32.87
1930	4.56	2.72	2.69	2.49	1.38	4.98	1.62	3.92	5.62	5.20	3.11	2.06	40.35
1931	2.37	3.88	1.16	2.49	1.69	3.84	2.35	8.01	5.42	6.57	3.05	2.62	43.45
1932	2.82	1.90	3.43	4.75	2.32	3.88	2.14	1.77	2.17	4.60	5.34	2.24	37.36
1933	7.81	8.08	1.89	2.43	3.30	4.98	4.81	2.14	2.47	4.82	9.60	8.23	60.61
1934	3.55	1.04	2.92	3.43	2.16	3.16	4.31	3.83	6.54	5.67	3.61	9.94	50.16
1935	2.91	4.62	3.17	5.19	2.37	1.86	1.83	3.12	6.90	4.23	1.08	5.37	42.65
1936	1.45	6.87	1.29	4.60	2.43	9.66	4.38	1.42	1.95	3.30	5.68	3.07	46.15
1937	4.08	3.01	6.44	6.03	3.83	4.38	4.38	8.07	5.70	2.99	3.76	8.31	58.98
1938	7.96	5.42	2.19	4.43	1.52	2.74	2.16	4.10	6.70	7.98	2.28	12.24	59.72
1939	2.36	2.44	3.52	2.81	3.41	3.62	5.54	2.60	3.75	1.58	4.15	4.00	39.78
1940	4.36	1.48	2.91	2.33	2.68	6.40	4.84	7.08	3.73	3.36	2.29	2.15	43.41
1941	1.30	5.43	2.89	2.07	2.63	1.07	.84	3.85	3.48	4.87	5.39	1.51	35.33
1942	3.53	3.10	3.88	2.98	2.12	7.30	1.42	4.94	2.72	6.73	4.08	6.12	48.92
1943	5.88	4.59	6.15	2.59	1.73	3.07	4.46	9.35	3.87	6.17	2.36	1.23	51.43
1944	6.01	6.40	.71	1.75	2.22	4.80	4.49	1.99	6.89	5.26	1.43	6.78	49.73
1945	2.39	4.20	4.12	3.84	4.34	1.76	7.47	8.68	6.47	8.26	3.27	3.26	57.86

PLYMOUTH, MASS. ^(b)
Lat. 41°58'50", Long. 70°41'30". Elevation, 50 feet.
(# Water Works Gage)

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1887	-	-	-	5.91	4.15	5.06	5.26	2.16	3.01	1.65	5.07	1.57	-
1888	2.97	3.14	4.51	3.87	3.47	4.91	2.06	4.87	.67	3.34	5.14	6.67	45.62
1889	3.49	7.86	3.93	4.98	2.61	2.72	6.66	3.20	2.85	6.32	6.54	2.57	52.71
1890	3.29	6.02	1.30	2.38	3.60	10.14	3.50	5.37	3.41	1.17	3.01	6.20	49.39
1891	9.38	.69	3.61	6.36	5.32	5.04	4.02	1.99	2.23	2.55	3.18	2.23	48.60
1892	5.72	1.79	3.77	3.79	3.72	5.15	3.91	2.12	1.81	4.16	2.41	39.61	-
1893	2.29	7.12	1.77	2.88	6.66	6.17	4.45	4.39	2.50	2.71	5.80	1.99	48.73
1894	2.16	2.81	5.59	4.26	4.85	1.56	3.97	4.35	1.54	1.08	1.87	2.37	36.41
1895	7.91	4.98	5.78	3.02	.87	2.71	4.79	2.73	2.04	3.58	2.05	3.13	42.59
1896	6.89	3.95	3.85	2.75	4.73	5.81	.88	2.33	3.59	2.27	1.74	5.65	45.04
1897	3.60	3.41	2.95	4.24	2.08	2.31	4.28	3.65	2.99	2.88	2.91	1.42	36.72
1898	.87	6.42	3.27	-	-	-	-	-	-	-	-	-	-
1905	-	-	-	-	-	-	-	-	8.65	2.07	2.39	5.75	-

PRECIPITATION RECORDS

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PLYMOUTH, MASS. (b)---Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	1.79	2.04	4.21	4.05	5.33	8.69	2.39	5.32	2.12	6.20	2.53	3.44	48.11
1907	4.01	3.45	3.25	4.11	3.41	2.33	4.10	3.48	2.36	1.04	1.46	10.38	43.38
1908	2.56	4.64	5.98	2.84	3.65	4.33	2.64	2.77	1.84	2.92	3.60	1.61	39.38
1909	8.01	1.03	3.57	4.74	6.15	3.41	6.13	2.52	2.17	1.89	2.11	4.58	46.31
1910	2.26	6.80	2.03	4.42	5.07	1.85	2.51	2.29	3.54	2.39	2.56	1.00	36.72
1911	1.78	5.00	3.11	3.22	3.07	3.34	3.05	.61	2.58	5.54	4.14	3.48	58.82
1912	4.01	6.68	3.25	4.68	5.21	7.44	3.82	4.97	.24	3.00	5.78	1.55	46.83
1913	1.59	3.70	5.57	4.08	3.35	3.60	6.72	2.37	2.27	1.64	2.77	3.73	41.39
1914	10.01	2.79	4.47	3.56	3.85	5.32	4.98	2.84	.96	4.87	4.68	2.11	50.34
1915	2.06	3.45	6.30	9.38	5.96	.08	2.58	2.00	2.13	4.06	7.03	2.78	47.81
1916	3.61	2.39	3.77	1.58	4.97	4.59	5.22	3.42	5.17	9.00	2.19	2.47	48.58
1917	2.85	3.22	3.88	3.36	2.49	5.41	4.88	6.68	6.65	2.23	3.32	2.95	47.92
1918	5.02	.57	2.22	4.12	3.18	2.44	4.92	.58	2.97	3.66	1.61	3.44	34.73
1919	1.71	2.25	4.31	4.96	3.62	-	-	-	-	-	-	5.29	-
1920	3.13	5.46	2.42	3.95	7.06	5.08	4.81	4.29	7.39	3.34	3.02	3.12	53.07
1921	1.84	4.49	3.55	2.84	3.29	3.56	5.96	4.84	-	-	-	1.19	-
1922	1.59	7.32	2.89	2.76	4.45	6.32	2.23	2.88	4.44	4.36	11.63	1.87	52.76
1923	2.66	1.15	4.78	2.47	2.10	4.80	5.75	.86	2.19	2.44	2.43	1.21	32.84
1924	5.25	2.23	3.93	4.07	3.55	3.77	6.03	2.94	2.93	1.31	7.12	3.38	46.51
1925	.19	2.12	1.90	4.17	1.53	3.24	2.75	3.11	2.48	4.35	2.36	4.13	32.33
1926	5.07	3.98	5.75	2.99	6.96	3.39	2.43	3.93	3.10	3.83	2.95	1.36	45.74
1927	6.70	4.35	3.29	3.45	2.97	1.54	1.74	1.35	2.89	4.61	11.36	2.77	47.02
1928	2.85	4.84	5.44	3.28	4.29	4.41	4.69	2.29	5.38	4.07	2.11	5.50	49.10
1929	1.38	2.77	3.96	3.74	4.65	4.20	7.59	3.53	1.01	3.32	2.67	4.11	42.93
1930	2.72	3.68	5.62	3.66	4.13	2.58	1.35	3.02	2.94	2.76	3.41	.35	36.12
1931	4.27	4.60	3.76	3.67	3.34	7.62	4.10	5.47	8.34	3.57	5.58	2.55	56.87
1932	4.23	.88	3.47	7.01	3.11	6.19	1.66	2.40	3.73	1.93	5.58	5.81	46.00
1933	5.93	6.85	2.64	2.78	3.90	6.59	9.01	1.76	1.85	4.66	4.26	15.08	65.31
1934	4.39	2.83	4.71	4.25	4.08	4.61	3.67	2.38	3.99	.75	2.09	2.64	40.39
1935	4.01	2.57	3.60	5.63	2.46	2.08	6.19	1.94	5.29	4.18	1.69	4.25	43.89
1936	1.93	8.35	1.76	8.31	2.37	7.02	3.68	1.77	5.71	2.82	5.95	7.98	57.65
1937	2.84	1.59	10.27	4.54	1.37	4.23	5.04	2.49	2.86	.95	3.63	6.37	45.98
1938	3.97	5.50	4.10	4.10	3.38	2.80	3.04	3.87	9.40	5.47	1.62	7.16	54.43
1939	2.94	2.69	4.67	4.47	3.79	8.52	5.75	1.77	4.09	1.50	2.74	1.77	45.65
1940	5.83	1.85	2.20	2.45	7.47	4.76	7.82	6.58	2.41	3.72	1.35	3.61	50.03
1941	1.92	6.56	2.42	4.87	1.90	3.61	2.87	4.01	4.88	5.44	2.00	.87	41.25
1942	2.96	2.31	3.24	3.15	3.91	7.94	1.13	1.70	2.62	3.34	4.89	3.55	40.74
1943	4.59	5.77	3.81	3.59	1.45	2.50	3.52	6.19	1.91	3.55	3.02	2.23	41.93
1944	3.96	2.91	1.14	2.02	1.76	4.50	3.58	.23	3.78	.60	1.28	6.48	32.24
1945	2.23	9.12	3.41	5.00	3.79	2.05	1.77	4.13	4.71	2.63	3.43	1.72	43.99

PLYMOUTH, MASS. (Water Works) (a)
Lat. 41°56'15", Long. 70°40'15". Elevation, 70 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1898	-	-	-	3.75	4.04	2.27	5.82	5.65	1.93	6.58	7.33	1.35	-
1899	8.96	8.48	2.24	8.52	5.28	6.77	1.18	1.40	3.62	3.79	1.17	6.92	56.28
1900	3.03	2.28	1.60	4.86	5.35	3.62	1.95	5.11	2.29	1.87	3.28	3.10	37.84
1901	5.40	5.36	3.15	2.51	1.70	6.86	7.78	8.54	1.46	4.38	2.25	2.77	52.16
1902	2.07	2.59	10.20	2.22	5.53	7.82	2.98	1.52	3.68	1.89	1.43	3.65	45.58
1903	5.32	1.72	6.77	4.43	5.26	7.94	7.45	.67	4.76	2.44	5.44	1.45	53.75
1904	6.32	3.22	3.98	5.44	3.61	2.47	9.11	2.23	2.58	4.02	3.52	3.18	49.68
1905	1.85	3.53	4.10	4.50	2.16	2.87	2.32	1.11	8.01	1.78	2.99	6.93	42.15
1906	1.72	2.04	4.21	4.05	5.33	8.69	2.34	5.28	2.36	6.42	2.02	2.98	47.44
1907	4.50	3.45	3.13	3.92	3.41	2.31	4.08	3.68	2.70	1.10	1.82	11.16	45.26
1908	2.91	6.82	6.90	3.79	4.37	3.95	2.48	2.98	2.30	2.87	4.41	1.61	45.38
1909	10.19	1.53	4.28	5.44	6.18	3.74	6.41	3.51	3.03	1.33	2.44	4.95	53.53
1910	2.23	8.15	3.34	5.98	5.82	1.05	2.51	2.27	3.82	2.71	2.32	1.81	42.01
1911	1.94	5.69	2.96	3.17	3.45	3.38	3.68	.77	3.05	6.84	4.66	3.44	43.03
1912	3.60	6.59	3.58	4.88	4.00	7.51	3.87	4.71	.39	2.32	3.50	1.49	46.44
1913	1.26	3.83	6.16	4.09	3.50	3.40	6.66	2.30	1.57	1.77	3.03	3.49	41.06
1914	11.08	2.79	4.61	3.62	4.82	5.42	5.45	2.90	1.00	4.62	3.40	1.67	51.58
1915	2.20	3.47	6.73	10.35	3.98	.09	3.47	2.20	3.88	3.42	6.19	1.55	47.53
1916	4.22	2.37	4.99	1.46	5.51	4.87	5.62	3.51	5.53	9.07	2.19	2.46	51.80
1917	2.86	3.40	3.88	3.26	2.59	6.27	4.88	7.02	8.53	2.20	3.40	3.32	49.73
1918	5.02	.60	2.32	4.59	2.95	2.52	6.22	.53	2.95	2.64	1.61	3.68	35.63
1919	.71	2.25	3.79	5.39	3.77	5.06	3.78	5.47	2.07	4.73	7.65	4.95	49.62
1920	2.67	5.58	2.61	4.24	9.02	5.60	4.92	4.48	7.59	3.04	3.13	2.73	55.41
1921	1.84	5.11	4.19	2.90	3.47	3.79	5.96	5.23	2.41	8.94	2.55	1.11	47.40
1922	1.56	9.10	2.80	2.72	4.45	6.30	2.36	3.88	4.34	4.17	9.20	1.61	52.49
1923	2.70	1.13	4.85	7.11	2.52	5.30	5.75	.88	2.19	2.30	2.45	1.62	38.80
1924	5.20	1.75	5.34	3.69	2.69	3.94	6.03	2.94	2.75	1.28	7.12	2.76	45.47
1925	.16	2.02	1.82	4.10	1.46	2.95	2.33	3.22	2.49	4.23	2.24	4.06	31.07
1926	4.56	3.55	5.83	3.22	8.76	3.37	2.27	3.11	3.22	3.75	2.81	1.03	45.48
1927	7.24	4.23	3.67	3.39	4.59	.70	1.03	.96	1.62	3.95	11.36	2.89	45.83
1928	4.40	3.48	5.38	3.27	4.19	4.48	4.78	2.31	5.17	3.95	2.12	5.69	49.19
1929	1.48	2.52	3.76	3.50	4.47	4.19	8.39	3.17	1.19	2.89	2.61	4.11	42.28
1930	2.71	3.49	5.61	3.75	4.33	2.47	1.34	2.92	2.83	2.86	2.65	.32	35.28
1931	4.18	4.44	3.79	3.85	3.38	7.96	3.98	5.41	8.31	3.27	5.56	2.42	56.55
1932	4.31	.81	3.32	7.11	3.21	6.11	1.74	2.40	2.89	2.01	5.62	6.16	45.69
1933	5.63	8.66	2.62	2.49	3.51	7.54	9.01	1.76	1.85	4.47	3.36	13.90	63.03
1934	4.42	2.71	5.17	4.31	4.41	4.58	3.51	.06	3.33	.90	1.81	2.49	40.10
1935	4.24	2.29	3.41	5.72	1.89	1.90	6.42	1.71	5.15	4.10	1.61	4.34	42.78

HYDROLOGY OF MASSACHUSETTS

PLYMOUTH, MASS. (Water Works) (a) --Continued

Water year.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	1.93	8.31	1.70	8.36	2.45	6.69	3.44	1.52	5.65	2.39	6.12	9.05	57.61
1927	2.15	1.37	9.80	4.11	1.15	5.99	4.88	2.35	2.50	.82	5.67	6.30	43.07
1928	3.97	5.50	4.10	4.10	3.38	2.84	3.01	3.59	6.68	3.57	2.92	5.85	51.61
1929	2.93	4.10	2.80	3.97	4.70	7.29	5.74	1.91	3.77	.79	4.10	2.23	44.33
1930	4.66	2.37	2.65	2.33	6.81	4.28	7.24	5.70	1.38	3.60	.74	5.03	46.79
1941	1.80	6.53	2.49	5.07	2.40	3.41	2.58	2.66	4.39	4.28	3.85	.16	39.62
1942	2.50	1.87	3.60	4.58	3.41	8.19	1.06	1.53	3.31	3.80	5.46	3.32	42.63
1943	4.36	5.96	4.16	4.68	1.78	3.93	3.20	5.06	1.99	3.17	2.01	3.55	43.85
1944	3.94	3.17	1.32	2.19	2.23	5.15	4.01	.56	4.08	.49	1.01	5.53	33.68
1945	2.44	9.39	4.40	5.29	4.83	2.64	1.94	4.25	4.55	2.85	3.31	1.78	47.67

PRESCOTT, MASS. (a)
 Lat. 42°23'35", Long. 72°20'40". Elevation, 1,000 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	-	-	-	1.48	4.20	2.74	2.92	2.64	5.82	6.31	3.31	5.23	-
1917	1.35	3.89	2.27	3.93	2.48	4.18	1.07	3.76	4.19	1.59	3.40	1.35	33.45
1918	5.69	2.07	61.52	2.86	3.53	1.86	2.25	.94	4.93	.92	2.80	6.14	35.51
1919	1.39	3.11	2.84	2.25	5.52	5.53	3.12	5.88	1.90	5.32	4.94	6.04	45.84
1920	2.52	5.40	1.09	1.90	3.19	2.47	6.31	3.45	6.94	4.27	5.21	7.56	50.31
1921	1.03	3.94	6.45	2.55	2.07	4.66	9.22	3.27	3.88	6.42	3.16	2.81	49.46
1922	2.01	6.05	2.78	1.22	3.30	6.84	2.21	5.05	12.12	4.50	4.92	2.79	53.79
1923	3.55	1.79	3.56	6.56	2.06	2.63	5.79	2.18	5.57	2.17	4.57	2.87	43.30
1924	5.51	6.12	64.53	4.01	1.44	1.08	5.01	3.58	1.60	2.88	2.15	5.02	42.93
1925	.00	2.34	2.21	2.73	3.62	4.69	3.51	2.53	4.06	5.55	1.57	3.22	35.83
1926	4.66	3.18	2.83	3.00	5.03	3.76	2.63	1.71	2.63	3.66	3.58	1.58	39.25
1927	6.13	6.69	3.10	1.86	3.42	1.72	1.90	4.34	4.02	6.22	5.94	3.07	48.41
1928	4.91	8.75	6.29	2.72	3.56	2.74	5.28	3.27	6.46	5.93	8.74	3.91	62.56
1929	1.37	2.50	1.29	4.98	3.46	3.08	6.56	4.80	2.72	.72	1.54	3.67	36.49
1930	2.80	3.53	4.39	2.52	2.11	3.92	1.05	3.63	4.36	5.56	1.51	2.87	38.25
1931	2.07	3.58	1.05	3.11	1.48	3.76	2.89	7.20	4.96	3.21	6.71	2.45	42.47
1932	2.18	1.43	3.53	4.17	1.78	4.12	2.48	1.78	2.94	4.60	4.69	5.80	39.50
1933	5.75	4.50	1.68	1.96	2.99	4.66	5.78	2.16	3.38	2.07	6.74	11.51	51.18
1934	4.51	1.53	3.36	3.36	2.03	3.28	3.51	4.87	5.21	4.01	3.28	9.51	49.12
1935	2.86	4.09	2.64	4.40	2.53	1.62	3.13	2.47	5.92	2.46	1.08	5.22	38.42
1936	1.18	4.18	.81	6.26	2.72	8.31	4.08	2.40	4.02	2.09	4.48	5.60	46.13
1937	2.93	1.84	6.03	5.78	2.06	2.94	4.00	4.57	6.73	2.47	5.51	6.90	51.76
1938	5.23	7.27	2.92	4.88	2.34	2.55	-	-	-	-	-	-	-

PRINCETON, MASS. (b) (c)
 Lat. 42°26'55", Long. 71°51'15". Elevation, 1,125 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1885	-	5.29	9.59	8.35	2.94	1.21	2.93	3.03	1.67	4.23	6.89	1.40	-
1886	4.66	6.69	1.91	5.28	5.32	3.54	2.85	3.80	1.86	4.49	3.18	3.93	47.51
1887	2.97	5.55	6.25	64.57	5.55	5.82	3.55	1.60	3.55	7.27	8.98	1.89	55.39
1888	2.15	3.24	3.35	64.35	64.30	65.75	2.87	4.08	3.39	2.62	5.14	6.38	47.62
1889	5.67	6.22	5.52	5.99	1.12	1.82	4.30	4.47	2.71	8.76	4.72	3.32	54.62
1890	4.85	5.99	2.87	3.28	2.60	6.50	2.28	4.58	2.02	4.38	5.90	5.57	50.82
1891	10.04	1.48	63.90	67.70	63.60	65.92	1.75	2.10	4.99	3.68	1.99	2.43	49.58
1892	3.31	2.70	2.16	65.42	62.46	63.30	.64	5.08	3.04	4.20	7.33	1.63	41.27
1897	-	-	-	2.92	3.01	4.08	2.22	5.64	5.39	10.00	3.57	2.17	-
1898	.97	7.43	6.23	5.54	2.90	2.27	4.21	3.53	3.02	2.68	9.96	3.05	51.79
1899	7.60	6.01	4.47	2.76	4.95	6.55	1.74	1.41	4.81	3.70	2.67	4.15	50.82
1900	2.80	1.85	2.21	4.64	8.59	5.47	2.58	4.65	3.28	2.86	3.75	3.73	46.41
1901	3.40	6.32	2.90	1.63	.98	5.30	9.84	6.85	1.03	5.56	4.78	3.22	51.81
1902	3.77	2.47	9.46	3.10	4.20	4.84	4.43	2.98	3.09	3.96	3.62	4.30	50.22
1903	6.56	.92	7.39	2.63	4.41	6.52	3.09	1.74	10.08	3.95	4.30	3.20	54.79
1904	4.78	2.60	3.71	3.25	2.70	3.67	7.27	2.93	3.51	3.83	3.91	5.68	47.84
1905	1.95	1.57	2.61	6.04	1.73	4.14	2.54	1.01	4.44	6.18	3.37	6.35	41.93
1906	1.80	2.46	3.91	2.61	2.60	5.08	3.25	6.31	5.64	5.83	5.48	2.54	47.52
1907	3.85	2.28	4.20	2.64	1.86	1.51	2.07	2.81	63.54	63.03	1.00	9.54	39.24
1908	5.48	5.52	4.02	3.11	4.66	2.27	2.56	5.25	1.28	3.52	6.77	4.44	45.28
1909	2.01	.88	2.79	3.29	6.03	3.94	5.25	2.94	2.74	4.66	3.39	3.46	40.79
1910	1.72	1.59	3.84	5.43	4.64	1.39	3.44	3.28	4.23	1.82	3.45	2.86	37.69
1911	1.36	4.23	2.21	2.78	2.06	3.54	1.76	1.76	2.08	2.14	5.53	3.04	32.49
1912	5.49	3.87	2.89	2.46	2.18	5.52	3.92	5.94	.70	2.56	3.34	2.39	41.26
1913	3.00	3.83	5.10	3.70	2.41	5.29	3.67	3.30	.67	1.87	3.58	4.13	40.55
1914	6.11	2.90	2.39	3.13	3.40	3.46	4.80	2.52	2.02	4.58	3.99	.11	39.41
1915	1.58	3.24	3.68	5.63	2.51	.07	1.93	1.61	2.73	8.75	7.25	1.79	40.77
1916	2.98	3.30	4.31	1.54	5.75	2.44	3.14	3.72	6.85	5.93	1.74	4.14	45.84
1917	1.47	3.07	2.57	3.15	2.68	3.23	1.89	3.66	4.33	.84	3.31	1.22	31.49
1918	6.18	1.15	1.09	2.42	3.27	1.66	3.33	1.16	4.33	2.29	2.75	6.39	36.02
1919	1.46	2.82	3.54	3.16	2.49	5.18	2.43	5.99	1.00	4.22	4.27	6.14	42.70
1920	2.34	5.42	1.85	2.75	5.90	3.92	6.14	3.54	4.92	5.10	4.21	6.02	52.11
1921	.62	5.00	5.37	2.84	4.17	2.58	7.17	2.92	4.70	6.26	2.05	3.21	46.89
1922	2.32	6.27	2.82	2.74	3.73	5.63	2.42	4.74	8.81	5.18	5.15	3.07	52.88
1923	2.45	1.87	4.13	7.46	2.42	3.08	5.24	1.51	3.16	3.90	1.75	1.25	38.32
1924	5.06	5.56	4.62	4.12	3.34	2.12	6.21	3.45	1.04	2.54	5.10	4.76	47.92
1925	.14	3.37	2.11	3.84	2.37	5.40	2.80	2.85	4.21	3.85	2.76	4.25	37.75

PRECIPITATION RECORDS

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PRINCETON, MASS. (b) (c) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	4.17	3.70	3.79	2.37	5.25	3.02	2.21	2.12	2.18	3.05	2.44	1.43	35.93
1927	5.55	5.11	3.85	3.33	4.68	1.54	1.90	2.93	1.91	5.37	9.04	4.02	49.03
1928	5.01	6.86	6.21	3.01	3.43	1.86	4.86	3.21	6.69	5.23	5.83	3.92	56.12
1929	1.99	2.62	1.96	5.42	4.31	3.32	5.57	4.52	2.07	.71	1.42	1.57	35.48
1930	3.01	3.17	3.04	1.87	2.25	3.43	2.05	2.86	3.58	6.07	1.81	1.59	34.73
1931	2.68	3.72	2.69	3.13	2.84	4.22	2.80	5.20	5.96	3.44	7.80	1.74	46.22
1932	2.58	1.54	3.37	5.18	5.25	4.50	2.10	1.54	2.12	4.16	3.55	6.86	40.47
1933	7.15	5.23	2.04	3.14	4.44	5.61	5.62	2.57	1.25	2.49	5.06	11.05	55.65
1934	3.61	1.68	3.83	3.83	4.53	4.29	4.46	4.00	5.12	1.59	2.61	9.34	48.89
1935	2.78	2.44	4.37	6.91	3.57	2.35	4.92	2.37	5.71	2.87	1.66	4.63	44.58
1936	.86	4.29	.98	8.77	2.61	10.89	3.81	2.87	3.39	1.79	5.05	4.73	50.04
1937	3.11	1.66	8.19	5.08	2.53	3.36	5.94	3.83	4.43	2.04	4.16	3.46	47.79
1938	4.43	8.93	3.56	5.45	2.74	2.66	3.07	3.52	7.29	10.75	2.91	11.33	66.64
1939	2.44	3.31	3.07	3.57	4.42	5.08	4.58	2.39	2.99	.94	4.13	2.41	39.33
1940	4.27	1.01	3.42	3.98	3.83	5.03	6.17	5.80	2.45	6.08	1.61	2.03	45.68
1941	1.06	6.80	3.31	2.99	2.61	2.40	.71	2.51	3.45	5.10	3.16	.78	34.88
1942	2.23	3.32	3.33	3.74	5.08	7.74	1.38	4.07	5.72	6.87	2.08	2.57	45.68
1943	3.32	5.21	5.43	3.57	1.98	3.15	3.85	5.68	1.93	4.00	3.13	3.07	42.57
1944	5.98	5.35	.84	1.78	2.66	4.69	4.01	1.76	7.72	1.45	.96	7.54	44.74
1945	2.10	4.50	3.08	3.71	4.37	2.56	4.21	5.48	6.16	5.24	3.60	1.76	46.77

 PRINCETON, MASS. (Wachusett Mt. Summit) (b)
 Lat. 42°29'20", Long. 71°53'15". Elevation, 2,000 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	-	-	-	-	3.93	0.47	1.28	4.56	4.39	-
1914	6.84	-	-	-	-	-	-	-	1.74	3.73	4.67	.11	-
1915	1.87	-	-	-	-	-	1.56	1.63	2.78	10.50	7.93	1.68	-
1916	3.18	-	-	-	-	-	-	4.27	7.55	5.02	2.24	3.77	-
1917	1.40	-	-	-	-	-	-	3.07	5.60	1.08	4.13	1.10	-
1918	6.77	-	-	-	-	-	-	3.35	5.15	3.43	2.93	7.38	-
1919	1.58	2.68	-	-	-	-	-	7.24	1.46	4.80	4.70	7.47	-
1920	2.82	-	-	-	-	-	-	-	5.61	4.79	2.58	6.87	-
1921	1.05	-	-	-	-	-	-	9.16	2.59	2.83	9.89	2.09	-
1922	3.15	2.18	-	-	-	-	-	6.44	10.61	4.05	5.28	3.85	-
1923	2.47	-	-	-	-	-	-	-	-	2.76	1.99	1.66	-
1924	5.86	-	-	-	-	-	-	3.92	1.38	3.52	4.71	4.77	-
1925	.09	-	-	-	-	-	*2.39	2.53	4.80	4.90	2.55	4.42	-
1926	4.22	-	-	-	-	-	-	2.39	2.56	3.25	2.51	1.35	-
1927	2.23	-	-	-	-	-	-	3.54	2.55	7.58	8.25	4.91	-
1928	5.15	-	-	-	-	-	4.49	3.60	7.72	5.37	6.22	4.01	-
1929	1.89	-	-	-	-	-	4.25	5.10	2.53	1.44	1.91	1.93	-
1930	3.27	-	-	-	-	-	-	-	-	5.29	1.83	1.71	-
1931	2.29	-	-	-	-	-	-	5.74	7.06	3.43	7.60	2.39	-
1932	2.69	-	-	-	-	-	-	1.96	1.84	4.55	4.58	8.73	-
1933	9.23	-	-	-	-	-	-	2.67	1.95	4.01	6.10	12.81	-
1934	4.49	-	-	-	-	-	4.72	4.22	6.36	2.11	2.50	11.36	-
1935	2.58	-	-	-	-	-	-	2.97	6.35	5.81	1.10	5.02	-
1936	1.72	-	-	-	-	-	*.23	2.75	3.59	2.06	5.78	5.45	-
1937	3.97	-	-	-	-	-	-	*4.86	5.68	1.54	5.80	4.40	-
1938	*3.87	-	-	-	-	-	*3.05	3.93	9.08	9.87	3.28	12.20	-
1939	2.79	-	-	-	-	-	*2.16	2.50	3.56	1.33	4.17	2.22	-
1940	5.04	-	-	-	-	-	-	6.62	2.28	5.97	2.06	2.06	-
1941	1.18	-	-	-	-	-	-	3.96	3.35	5.14	3.01	.79	-
1942	2.42	-	-	-	-	-	-	3.64	4.54	5.22	2.19	2.35	-
1943	3.51	-	-	-	-	-	-	6.22	1.78	3.93	4.13	1.82	-
1944	7.08	-	-	-	-	-	-	1.56	9.06	1.65	.90	8.78	-
1945	2.13	-	-	-	-	-	4.80	5.68	6.50	5.28	4.57	1.58	-

 PROVINCETOWN, MASS. (b)
 Lat. 42°03'05", Long. 70°11'10". Elevation, 40 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1882	-	-	-	-	-	4.55	4.70	5.96	2.73	1.43	0.78	6.39	-
1883	4.49	3.69	5.57	4.76	5.00	2.16	3.09	3.45	1.39	4.33	.71	1.87	40.51
1884	7.45	3.58	2.60	6.58	7.34	6.77	8.31	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	-	-	-	3.89	1.24	.72	-	-	-
1887	-	-	-	-	-	-	-	-	-	-	-	-	-
1888	-	-	-	4.29	2.74	3.61	1.86	3.94	1.60	2.12	3.62	6.96	-
1889	3.98	4.45	3.08	3.52	4.04	2.32	3.70	4.10	1.82	4.80	8.86	2.20	44.37
1890	4.95	4.71	2.90	-	2.92	6.96	3.14	2.99	3.46	1.76	2.81	7.62	-
1891	6.78	-	3.48	6.71	4.54	3.69	3.28	1.69	2.14	2.71	3.93	2.77	-
1892	5.62	1.52	3.15	3.42	1.88	4.48	1.37	3.64	2.07	1.30	3.70	2.21	34.56
1893	2.66	5.77	1.68	1.63	5.37	4.79	3.27	3.08	5.50	1.71	4.37	3.03	42.58
1894	1.59	2.47	5.58	3.98	2.87	1.28	3.22	3.51	.70	.46	1.44	1.90	28.80
1895	5.69	3.17	4.68	3.08	1.07	3.90	3.08	3.47	-	-	-	-	-
1898	-	-	-	3.60	4.53	2.12	-	3.12	.81	6.26	5.84	.93	-
1899	-	-	-	-	-	4.51	.57	1.06	4.41	4.25	.10	4.85	-
1900	-	-	.93	3.74	3.58	3.17	1.92	-	-	1.72	2.03	3.24	-

HYDROLOGY OF MASSACHUSETTS

PROVINCETOWN, MASS. (b)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1901	4.02	3.87	1.53	3.24	.67	5.40	5.34	10.49	1.79	3.82	2.37	3.35	45.89
1902	1.24	2.41	7.62	2.46	3.62	6.35	2.58	1.28	4.05	2.04	.67	1.73	36.05
1903	3.88	1.96	6.53	4.15	3.48	6.41	4.40	.56	3.52	2.48	3.64	1.62	42.63
1904	5.47	4.39	3.22	4.62	4.48	1.52	5.56	2.50	1.65	3.02	2.23	2.25	40.91
1905	1.99	3.10	2.94	5.31	1.19	2.45	1.79	1.04	2.26	1.79	2.77	4.78	31.41
1906	1.50	3.07	3.29	3.77	3.86	6.80	1.56	4.46	3.26	3.42	1.92	2.14	39.05
1907	3.04	2.78	3.02	4.20	2.99	1.55	2.44	3.81	1.75	1.24	1.59	7.63	36.04
1908	3.31	5.11	4.72	3.09	4.55	4.53	2.12	2.60	1.92	1.75	3.41	1.21	38.32
1909	7.47	1.65	2.83	5.18	4.69	3.78	4.92	3.08	.69	.97	1.80	4.75	41.81
1910	2.86	5.51	3.06	6.33	3.43	1.81	5.08	2.19	3.25	1.81	4.42	1.47	39.22
1911	2.20	3.45	2.75	2.92	2.10	1.99	2.25	.27	3.34	3.33	4.17	4.43	33.20
1912	2.75	3.50	2.06	6.44	1.97	6.01	3.96	3.87	.93	1.87	3.06	2.45	38.87
1913	1.59	3.00	5.20	4.44	3.56	2.74	4.77	2.06	1.47	1.60	3.77	3.27	37.47
1914	7.89	2.21	2.89	3.46	4.44	4.55	2.85	2.68	.55	3.40	3.64	.86	39.42
1915	1.46	2.07	5.71	7.19	3.62	T	2.37	2.80	1.56	4.95	3.18	1.16	36.07
1916	4.98	2.50	3.12	1.30	2.91	2.88	3.70	2.42	4.50	8.65	1.41	2.62	40.99
1917	2.57	1.05	4.10	2.60	3.28	4.11	4.37	4.48	7.72	1.33	3.29	2.11	41.01
1918	3.82	.45	2.19	3.01	3.22	3.17	3.17	1.44	2.94	1.93	2.28	5.59	31.21
1919	.94	1.65	3.10	4.15	3.40	2.45	3.25	4.15	1.00	4.45	3.95	3.38	35.37
1920	2.73	3.25	2.31	2.40	5.50	4.85	4.75	4.00	4.21	2.15	1.75	1.40	39.30
1921	3.05	4.45	4.10	2.05	2.75	2.15	3.75	5.25	1.86	4.75	3.04	.65	37.85
1922	1.70	6.13	2.50	1.55	2.85	3.15	3.80	4.85	4.53	2.65	7.13	1.81	42.45
1923	1.93	.98	4.05	6.00	2.20	3.70	5.40	1.10	3.95	2.90	2.10	.75	35.06
1924	2.70	1.80	6.00	2.75	2.20	2.80	5.50	3.66	2.10	1.00	6.82	2.55	39.88
1925	.30	1.50	1.70	3.50	1.40	3.73	1.95	2.85	2.85	1.80	2.25	1.91	25.54
1926	3.73	3.05	4.93	2.43	5.40	2.15	2.70	2.70	3.13	2.63	2.68	.80	35.78
1927	5.98	2.34	2.80	3.00	2.11	1.38	1.80	5.05	5.03	4.50	9.35	2.10	43.42
1928	3.13	4.61	5.80	3.09	5.25	3.55	4.05	2.49	3.95	5.25	2.58	5.50	49.25
1929	.68	1.80	3.55	2.65	3.60	3.95	7.45	3.35	.51	4.62	2.22	3.52	37.90
1930	1.90	4.01	4.37	3.35	4.13	4.37	1.48	2.48	2.93	2.40	1.63	.77	33.82
1931	3.02	5.39	4.95	3.55	4.30	5.70	3.53	3.55	5.97	5.04	3.55	2.15	50.50
1932	7.20	1.50	3.12	6.21	2.01	4.06	1.64	1.56	1.82	1.27	4.15	4.76	39.30
1933	5.62	5.01	2.70	2.97	3.69	5.63	6.38	2.42	1.56	2.95	3.50	15.76	58.19
1934	6.70	2.80	3.84	3.35	4.05	2.32	4.61	1.75	2.18	.24	.92	2.59	35.35
1935	4.47	1.91	2.10	5.92	2.48	1.81	4.80	1.96	5.80	3.10	2.63	4.90	41.88
1936	2.02	7.01	2.12	5.96	2.74	5.29	2.67	2.20	3.31	1.54	5.45	8.20	48.51
1937	3.42	1.52	6.94	4.28	1.56	3.04	3.45	2.19	4.44	1.30	5.08	4.62	39.84
1938	4.21	3.45	3.61	3.58	3.29	3.40	3.51	3.94	2.30	3.23	.46	4.55	45.43
1939	2.64	3.62	2.83	3.28	3.59	7.56	3.33	2.57	2.96	.66	1.45	3.26	37.85
1940	3.42	1.77	1.83	1.89	6.12	4.37	6.46	1.73	2.47	2.78	.56	6.72	40.12
1941	2.32	5.63	2.97	6.11	2.11	3.11	3.48	2.76	3.61	3.26	1.97	.65	37.98
1942	2.33	1.16	2.22	2.48	2.07	7.09	.92	1.25	3.56	2.69	4.13	-	-

QUINCY, MASS. (Wollaston) (a)
Lat. 42°16'35", Long. 71°01'10". Elevation, 20 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	1.55	1.94	5.07	5.31	2.64	1.48	2.21	3.02	2.79	-
1914	6.88	2.63	3.09	3.69	3.98	3.21	5.12	2.91	1.87	3.16	3.99	.28	40.81
1915	1.68	3.31	4.21	6.94	3.01	T	2.42	1.44	1.32	7.92	5.15	.91	38.21
1916	2.38	2.41	4.68	1.35	4.91	3.70	4.39	3.24	5.58	5.99	2.20	1.17	42.00
1917	1.47	1.85	3.10	3.00	2.38	4.51	2.56	4.98	5.35	1.77	8.32	2.03	41.32
1918	5.66	1.08	2.61	3.15	2.92	2.55	5.05	1.30	2.01	4.19	1.97	8.17	40.66
1919	.98	1.86	3.30	3.53	3.05	4.64	2.96	4.26	2.22	4.56	5.88	6.46	45.60
1920	2.67	5.06	1.22	3.25	6.55	4.49	4.69	5.11	5.99	2.24	3.26	3.86	48.29
1921	1.12	4.85	3.45	2.30	3.41	2.53	6.08	2.44	5.30	9.78	1.61	2.22	45.09
1922	.90	6.90	2.13	1.86	3.15	5.52	1.58	5.29	9.57	3.51	6.01	4.18	50.61
1923	2.39	1.12	4.08	7.00	2.36	3.31	5.67	1.06	2.40	4.12	1.31	.76	35.58
1924	4.30	2.83	5.18	3.55	3.03	3.04	4.64	3.20	1.44	2.22	6.64	6.15	46.22
1925	.13	1.97	1.52	4.49	1.94	5.13	2.58	2.41	3.17	4.57	.78	3.07	31.76
1926	4.46	3.74	5.62	3.25	6.13	3.25	2.02	3.54	1.08	3.29	5.65	1.27	43.30
1927	4.67	4.66	4.70	2.91	4.21	1.40	1.76	2.78	1.84	3.70	8.65	2.80	44.08
1928	4.45	4.45	5.55	2.10	3.41	1.62	4.02	2.42	5.12	4.37	3.43	4.93	45.90
1929	2.89	2.02	2.86	3.79	3.66	3.07	8.57	4.14	4.28	1.09	1.92	1.76	40.05
1930	3.14	2.98	4.34	3.06	2.53	2.65	1.61	2.63	1.95	2.55	2.43	.29	30.16
1931	4.80	4.60	3.20	3.52	3.80	5.02	3.50	4.71	6.10	3.10	6.41	2.63	53.39
1932	2.20	.88	3.50	5.22	2.35	5.96	1.53	1.64	1.97	2.77	3.96	4.57	36.65
1933	7.95	5.31	1.92	2.16	4.50	6.81	6.75	3.67	1.84	2.57	5.55	10.79	59.82
1934	3.54	.89	4.60	4.05	4.82	3.56	2.50	2.32	3.89	1.71	2.13	5.05	39.06
1935	3.15	3.24	1.89	7.73	3.21	1.48	6.70	1.63	6.77	1.44	2.74	2.51	42.49
1936	.58	5.70	1.24	7.60	3.91	6.75	3.78	1.67	2.65	1.72	6.91	6.53	49.04
1937	1.56	1.46	8.65	4.80	1.20	3.63	5.13	2.57	3.12	.64	5.13	5.56	42.95
1938	4.41	5.26	4.27	4.38	3.07	2.77	2.62	4.79	7.88	10.69	3.28	6.07	59.43
1939	2.71	3.39	2.85	2.39	3.49	4.98	4.66	1.07	3.23	.68	2.95	1.71	34.11
1940	5.58	1.42	3.08	2.25	5.39	4.17	5.59	4.03	2.26	3.98	1.63	3.07	42.45
1941	1.03	7.01	2.90	3.98	1.78	2.87	1.88	3.03	3.47	3.10	2.78	.26	34.09
1942	2.04	2.39	3.33	3.65	3.12	7.82	1.55	2.07	3.23	5.88	2.24	2.43	39.75
1943	2.58	5.55	4.50	4.52	1.59	3.58	2.88	5.31	1.32	2.80	.88	2.05	37.36
1944	4.98	2.97	.97	1.98	2.13	4.21	3.70	.29	3.97	1.66	.89	6.55	34.65
1945	3.01	6.69	3.43	4.32	4.50	2.09	2.29	4.83	6.98	2.41	3.59	1.42	45.66

PRECIPITATION RECORDS

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READING, MASS. (Water Works Pumping Station)
Lat. 42°52'55", Long. 71°07'55". Elevation, 80 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1899	-	-	-	4.00	3.26	6.48	2.56	1.33	3.36	3.15	1.91	4.67	-
1900	1.35	2.95	1.50	5.32	8.69	5.03	2.15	4.60	3.13	1.90	3.17	4.15	43.94
1901	3.31	5.05	2.44	1.33	1.08	5.88	9.59	7.19	1.74	4.65	2.66	3.59	48.51
1902	2.67	3.06	8.10	1.80	6.11	4.69	6.22	1.69	1.98	3.02	3.75	4.01	47.10
1903	4.91	.99	5.60	3.84	3.16	6.38	4.95	1.48	8.91	3.40	3.42	2.29	48.33
1904	3.69	1.33	2.59	4.42	2.21	2.21	9.90	3.56	2.56	1.88	4.26	5.16	45.77
1905	2.02	1.80	2.25	5.44	1.47	2.92	2.59	1.39	6.11	1.19	3.50	7.87	38.35
1906	1.20	2.22	3.72	2.60	2.53	6.48	2.84	5.14	2.63	5.88	4.18	1.86	40.78
1907	2.58	3.31	3.08	3.97	2.10	2.04	3.21	2.89	3.80	3.58	1.33	7.90	39.59
1908	3.56	6.83	3.60	3.07	4.28	2.72	1.71	4.00	1.58	3.01	4.07	.86	39.09
1909	3.56	1.10	2.66	4.17	5.33	3.57	3.95	1.97	2.14	3.59	2.75	3.74	38.53
1910	1.23	4.06	3.60	4.54	3.14	1.58	2.32	1.19	4.36	1.98	2.61	2.45	33.06
1911	1.48	4.30	1.92	2.25	2.94	3.31	1.89	.60	3.90	4.79	3.80	2.94	34.12
1912	2.91	4.14	3.57	2.72	2.42	5.04	4.05	5.73	.29	6.44	2.02	3.02	42.35
1913	1.45	3.10	4.80	2.46	2.64	4.51	3.76	3.45	.95	1.63	3.66	5.93	33.87
1914	7.56	2.13	3.23	3.34	3.63	4.09	6.32	2.76	1.44	2.34	2.73	.23	39.87
1915	1.51	2.92	3.69	5.52	3.54	T	2.72	1.68	1.70	11.66	6.68	.70	42.30
1916	2.80	2.93	5.47	1.22	5.37	3.37	5.14	4.59	5.86	3.13	2.30	3.11	45.29
1917	1.01	1.94	2.91	2.92	2.41	4.18	2.90	4.00	4.78	1.19	3.40	1.46	33.10
1918	5.76	1.39	2.66	2.92	3.02	2.02	4.10	.85	3.04	2.99	2.81	8.37	39.33
1919	1.02	2.24	2.06	3.68	3.61	4.01	2.46	5.44	.88	3.22	3.83	5.65	38.10
1920	2.63	6.20	1.53	2.75	6.46	4.18	5.75	3.27	5.27	1.94	2.02	4.27	46.27
1921	1.16	5.30	4.77	2.09	3.43	2.16	5.48	1.86	3.97	9.79	1.96	1.74	43.71
1922	1.53	6.43	2.23	1.77	2.72	1.37	5.03	11.27	4.83	3.29	3.68	48.57	
1923	2.73	1.06	3.13	6.95	1.67	2.60	5.09	1.56	2.89	1.97	3.17	.62	33.64
1924	3.73	4.13	4.83	3.77	2.55	1.71	5.25	3.10	2.53	2.70	4.80	7.95	47.05
1925	.05	2.56	1.52	4.29	2.14	7.66	2.95	2.05	5.62	3.13	2.37	2.16	36.50
1926	4.66	3.94	5.53	2.53	4.41	2.83	2.26	2.19	1.80	2.06	3.30	1.32	36.85
1927	3.95	3.89	3.09	2.32	3.39	1.30	1.43	2.19	2.27	3.04	5.28	2.68	34.83
1928	4.10	4.18	4.65	2.10	3.37	1.45	5.13	2.77	6.63	3.65	3.84	4.18	46.14
1929	2.96	2.28	2.57	3.14	3.76	3.49	6.81	3.50	1.23	1.19	4.53	2.41	37.87
1930	2.49	2.68	3.63	2.48	2.05	3.29	1.90	3.38	2.19	4.07	2.77	.79	31.92
1931	4.45	3.69	2.20	3.27	2.72	4.94	3.07	3.53	6.70	3.76	4.11	1.97	44.41
1932	2.43	1.26	3.67	3.92	1.90	4.83	2.01	1.17	1.81	2.04	5.09	7.24	37.37
1933	7.26	5.25	1.29	2.27	3.46	7.22	6.51	2.70	1.27	1.47	4.41	9.97	53.08
1934	3.50	.96	3.47	3.17	3.29	5.13	3.09	2.52	4.00	1.25	1.73	6.43	38.54
1935	3.89	2.03	2.70	6.13	3.23	1.06	4.72	1.44	6.21	2.67	1.98	4.03	40.09
1936	.58	4.36	.90	6.60	3.09	7.23	3.01	2.05	2.73	1.75	4.49	4.15	40.94
1937	1.59	1.37	8.24	4.50	1.80	3.21	4.61	3.13	3.45	.97	3.91	3.04	39.82
1938	4.48	5.18	4.89	4.08	2.07	2.11	3.12	3.31	7.18	11.42	2.19	8.33	58.56
1939	2.93	1.66	2.85	2.08	3.46	4.00	4.47	2.02	2.77	.76	3.15	2.45	32.77
1940	4.66	.77	2.92	2.22	4.34	3.68	4.65	3.52	2.41	2.58	.80	4.59	37.14
1941	1.05	6.67	2.73	3.16	1.88	2.51	1.87	2.24	2.09	3.66	3.05	.58	31.49
1942	2.13	2.88	4.08	4.25	2.98	7.20	2.02	3.34	3.19	5.08	1.82	2.18	40.65
1943	2.99	4.72	5.61	3.09	1.03	3.57	2.60	5.54	2.09	4.79	1.35	.67	38.05
1944	5.84	4.45	1.02	2.63	2.26	4.22	3.84	.83	5.32	2.56	2.83	7.22	43.02
1945	2.65	6.03	3.18	2.60	4.40	1.79	2.85	4.28	5.90	3.07	3.07	1.19	41.01

ROCHESTER, MASS. (Quittacas Pumping Station, New Bedford Water Works)
Lat. 41°47'10", Long. 70°55'00". Elevation, 60 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1895	-	-	-	3.46	1.07	3.60	4.57	4.24	2.11	3.11	2.49	1.47	-
1896	6.38	4.41	3.12	2.28	3.94	6.43	1.06	2.76	5.29	3.07	3.91	8.23	50.88
1897	4.41	3.81	2.84	4.50	2.70	2.96	3.88	5.31	2.70	3.79	5.80	1.29	43.99
1898	1.18	7.71	4.29	4.29	6.47	3.16	5.27	5.54	1.22	5.69	6.80	1.25	52.87
1899	10.16	7.81	2.10	6.27	6.83	8.25	1.90	1.63	3.91	2.94	2.24	7.27	61.31
1900	2.22	2.21	1.77	4.96	6.10	4.25	2.27	5.59	1.41	2.28	1.76	3.05	37.87
1901	5.46	3.95	2.70	2.36	1.05	7.78	6.65	8.47	1.92	3.45	2.75	3.09	49.63
1902	2.85	1.99	9.52	2.22	5.88	6.27	3.85	1.05	4.10	2.06	1.29	3.65	44.73
1903	4.78	1.72	5.14	4.14	6.26	8.13	5.77	.91	4.84	2.12	3.75	1.19	48.75
1904	4.64	2.71	3.84	2.83	4.04	2.42	9.28	3.40	4.33	1.68	4.36	2.66	46.26
1905	1.86	2.56	3.54	2.71	2.31	2.46	1.99	1.95	7.76	2.76	3.84	5.80	39.14
1906	2.14	2.64	4.47	3.88	4.86	7.84	2.62	5.01	3.86	4.89	1.71	3.62	47.54
1907	3.35	2.87	3.62	3.31	2.56	1.74	3.47	4.17	2.04	2.10	1.62	7.43	38.28
1908	3.29	5.62	5.92	2.54	4.35	3.74	2.14	4.22	2.07	2.36	4.94	1.47	42.66
1909	8.04	1.41	4.46	4.38	5.92	4.08	6.51	3.02	1.96	1.11	2.23	4.40	47.52
1910	2.07	4.69	2.98	2.49	5.19	1.24	2.25	3.19	4.56	2.89	2.42	1.65	35.62
1911	2.46	4.43	3.12	3.75	2.63	3.80	3.64	1.39	2.14	5.12	4.06	2.98	39.52
1912	2.37	7.40	3.50	5.32	3.74	8.11	3.67	4.13	1.23	1.14	4.86	1.96	46.50
1913	1.40	4.27	6.62	5.01	3.43	3.34	1.75	1.32	2.37	3.11	2.33	40.74	
1914	11.42	2.75	4.56	3.42	3.86	3.88	4.43	2.63	9.55	4.80	2.60	1.00	46.12
1915	2.51	3.31	4.97	10.07	3.92	.18	2.51	2.49	1.64	5.69	7.38	2.11	46.78
1916	3.95	1.98	4.52	1.95	4.21	3.57	4.27	4.66	4.85	11.12	1.25	1.52	47.85
1917	3.09	3.21	3.09	3.19	1.97	5.92	4.69	5.05	5.35	1.72	3.57	2.75	43.60
1918	4.97	.15	2.07	3.38	4.50	1.65	5.01	1.87	3.40	3.30	2.06	3.85	36.21
1919	.73	2.40	3.70	5.48	3.91	4.97	3.37	4.27	2.42	5.59	7.94	6.06	50.84
1920	1.78	4.23	2.48	3.40	5.64	5.89	5.31	5.24	8.12	1.88	2.55	1.93	48.45

ROCHESTER, MASS. (Quitticas Pumping Station, New Bedford Water Works)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	2.90	3.93	4.06	3.35	2.64	3.87	4.84	4.58	3.53	9.23	2.39	1.85	47.17
1922	1.49	7.73	2.92	2.12	3.52	6.45	1.96	4.51	6.24	4.93	11.37	1.94	54.98
1923	3.32	1.13	3.47	6.29	1.74	5.01	6.15	1.53	6.27	2.66	2.32	1.96	39.15
1924	3.94	1.98	5.70	4.70	3.25	2.81	6.70	2.41	2.64	1.21	8.89	3.41	47.64
1925	.16	1.75	2.47	3.73	2.26	3.98	2.41	3.54	3.24	3.90	1.44	4.39	33.07
1926	4.50	4.52	3.95	2.84	6.28	3.28	2.46	2.94	3.30	2.79	3.47	1.12	41.45
1927	8.15	4.81	3.61	3.33	3.36	1.65	1.56	2.15	2.31	4.87	10.95	2.66	49.41
1928	3.83	5.21	5.45	3.75	3.88	4.45	4.28	1.80	4.91	4.53	2.34	4.62	48.55
1929	2.09	2.46	3.52	4.10	3.97	4.21	7.25	3.52	.87	3.40	4.27	4.45	43.91
1930	2.93	3.00	5.44	3.63	3.73	2.39	1.50	2.91	3.27	2.30	2.57	.55	34.22
1931	4.35	4.60	2.73	3.72	2.70	6.88	3.43	5.64	6.27	3.07	6.46	1.94	51.79
1932	3.44	.96	3.72	6.54	2.42	6.01	1.47	2.10	1.90	1.87	5.49	6.20	42.02
1933	5.44	7.34	2.54	2.84	4.29	6.56	7.41	1.87	1.25	2.28	2.45	11.67	55.74
1934	3.84	2.67	4.79	4.11	1.98	4.61	3.15	3.15	4.22	1.02	2.91	2.40	41.42
1935	4.27	3.28	4.13	7.07	3.15	2.07	5.05	1.98	3.60	3.56	1.80	4.49	44.45
1936	1.81	6.52	1.61	7.97	2.52	6.72	3.93	.96	3.40	2.48	4.29	7.60	49.81
1937	2.38	1.26	10.52	5.23	1.67	3.95	5.84	2.49	3.87	.23	3.12	4.22	44.88
1938	4.76	5.62	4.83	4.19	2.88	2.95	3.17	3.50	3.81	3.11	3.49	6.78	54.09
1939	3.26	2.85	4.13	3.69	5.93	6.99	5.62	1.58	4.41	1.89	4.11	2.77	48.03
1940	4.50	1.55	2.13	2.98	7.93	4.77	8.54	6.41	1.56	4.10	1.13	4.51	48.31
1941	1.79	7.36	2.94	4.71	3.04	3.24	2.19	4.71	5.60	3.74	3.58	.15	43.05
1942	2.43	2.27	3.31	4.88	3.35	9.59	.85	1.55	2.24	2.55	5.72	2.66	42.10
1943	5.49	5.60	4.61	4.20	2.11	3.85	3.95	3.71	1.62	3.69	1.92	1.54	42.25
1944	4.14	2.76	1.43	2.43	2.19	4.63	3.90	5.5	4.06	.53	1.20	6.07	33.89
1945	2.26	8.99	4.22	4.58	5.77	2.57	2.63	4.50	3.41	1.18	3.24	2.00	45.35

ROCKPORT, MASS. (b)
Lat. 42°40', Long. 70°36'. Elevation, 18 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1902	-	-	-	-	-	-	-	-	3.04	2.85	1.94	2.48	-
1903	4.34	1.45	6.27	3.69	3.28	6.33	3.85	0.35	7.66	2.66	2.59	3.04	46.01
1904	2.72	1.45	3.78	6.90	4.24	2.96	8.90	3.80	2.72	1.33	3.08	5.74	47.62
1905	2.00	1.86	3.64	5.51	2.49	3.28	2.93	2.27	6.78	1.86	2.99	6.61	42.22
1906	1.51	2.98	5.29	2.82	2.65	7.51	2.36	4.95	3.48	4.17	1.63	1.30	40.66
1907	3.44	3.60	3.69	3.52	2.98	1.95	3.64	2.68	2.92	3.06	1.23	8.96	41.67
1908	2.88	5.25	4.20	2.12	3.25	3.02	1.41	3.44	.70	5.19	2.81	.75	35.12
1909	4.98	1.76	2.84	5.54	4.38	3.50	4.50	1.99	.96	2.35	2.03	4.95	39.78
1910	1.71	3.43	4.17	4.22	4.29	1.86	2.66	1.62	3.69	2.49	1.80	1.50	33.44
1911	1.52	3.24	2.23	2.15	2.91	3.17	2.36	.63	2.68	9.02	3.52	2.64	36.07
1912	2.37	4.54	3.28	4.14	2.34	4.05	2.18	5.65	.39	5.78	1.68	2.07	36.45
1913	2.21	5.03	4.79	2.09	3.58	4.39	4.73	2.98	2.02	1.92	2.09	2.64	36.47
1914	4.81	1.55	3.53	3.30	2.13	3.85	5.00	2.48	1.68	1.80	2.09	.25	32.25
1915	1.43	4.10	3.68	5.74	2.71	.00	2.56	1.66	1.35	8.13	4.50	1.42	37.28
1916	3.35	4.03	4.28	1.13	2.78	2.43	5.94	2.61	7.08	4.22	2.74	2.30	42.89
1917	1.11	1.47	3.94	2.45	2.00	2.36	3.31	4.59	7.24	1.00	4.68	1.48	35.63
1918	4.72	1.14	3.66	2.53	1.38	1.40	4.36	.75	2.32	1.92	2.35	10.65	37.18
1919	1.16	2.48	3.24	3.35	3.33	3.92	2.34	3.63	2.10	1.84	4.74	5.71	37.84
1920	2.81	6.44	1.93	1.25	2.51	2.67	5.85	3.85	5.64	.99	.92	3.77	38.64
1921	1.62	4.77	3.67	2.16	2.27	2.43	5.34	2.68	2.78	11.06	2.13	2.60	43.51
1922	1.24	7.77	1.82	62.53	93.70	3.09	1.97	5.99	10.10	5.87	4.51	1.88	50.07
1923	3.02	.73	63.97	97.74	93.99	6.57	4.70	1.50	1.97	2.97	1.70	.80	39.46
1924	4.14	2.03	5.09	3.28	2.43	2.35	3.99	3.27	2.58	3.96	7.53	3.96	44.61
1925	.04	2.48	1.60	3.91	2.33	6.68	2.29	2.19	2.57	3.23	2.46	3.42	33.20
1926	4.87	3.90	5.49	3.91	5.62	2.74	2.90	2.63	1.87	3.28	2.84	1.37	41.42
1927	5.77	5.03	3.00	2.51	3.06	1.60	1.91	2.96	1.89	3.76	11.48	3.43	46.40
1928	3.22	4.55	4.09	2.24	4.95	1.43	5.17	2.26	4.50	4.82	2.50	2.95	42.68
1929	3.50	1.99	3.23	3.78	3.75	2.93	8.14	4.10	1.51	1.77	.98	1.58	27.26
1930	2.28	2.96	3.70	2.60	2.97	3.69	1.90	3.92	1.17	3.04	2.40	.64	31.27
1931	4.11	6.94	3.13	4.29	4.69	4.61	5.13	4.34	7.36	2.39	4.28	2.23	53.40
1932	3.10	1.21	4.51	5.47	3.24	5.67	2.04	1.06	2.13	3.69	4.55	5.76	42.43
1933	6.71	7.12	1.91	3.10	3.94	7.07	9.10	4.70	1.68	3.58	2.55	9.28	60.74
1934	6.07	1.03	3.50	3.67	3.60	3.75	2.67	1.73	3.15	.41	.88	8.34	38.80
1935	4.78	3.87	4.39	8.63	-	1.59	5.87	1.62	6.03	2.77	3.06	3.84	-
1936	.40	5.45	2.12	1.86	2.79	7.17	-	-	1.80	3.01	1.26	3.63	4.74
1937	-	-	-	-	-	-	-	-	3.76	-	8.73	1.45	6.00
1938	4.29	4.55	2.81	3.54	3.67	2.68	3.36	3.08	3.21	.40	2.21	.88	-
1939	3.03	3.10	-	-	3.18	4.92	4.25	2.31	1.76	-	.74	3.39	-
1940	4.46	.98	3.19	1.80	4.94	3.30	5.07	1.44	-	-	-	-	-
1941	-	-	-	-	-	-	-	3.81	2.34	-	1.85	1.00	-
1942	-	-	-	-	-	-	-	-	-	4.77	3.62	-	-
1943	2.34	5.90	3.90	4.11	1.29	3.06	3.05	5.39	1.66	3.42	1.42	1.77	37.31
1944	3.34	3.02	1.17	2.53	2.56	3.29	3.41	.81	5.32	1.89	1.58	5.69	34.61
1945	2.41	5.52	3.34	4.21	3.45	1.81	2.48	3.46	3.03	3.21	1.93	2.50	37.38

ROCKPORT, MASS. (b)
Lat. 42°39', Long. 70°37'

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	2.09	2.00	-	-	-	-	-	-	-	-	-	-	-
1943	-	-	-	-	-	3.06	3.02	5.31	1.66	3.57	1.48	1.92	-
1944	5.64	2.99	1.17	2.54	2.47	3.62	3.41	.81	5.42	1.79	1.50	5.78	37.14
1945	2.41	5.26	3.34	3.39	3.75	1.57	2.37	3.46	4.43	3.18	2.02	2.50	37.68

PRECIPITATION RECORDS

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 ROWE, MASS.
 Elevation, 1,300 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1877	-	-	-	-	-	-	-	-	3.78	3.25	2.00	0.60	-
1878	6.95	5.10	1.23	5.25	3.75	3.43	6.45	1.92	5.80	6.78	3.00	2.20	51.86
1879	3.55	6.60	5.50	2.40	3.10	5.25	3.55	1.40	7.90	4.40	3.80	4.15	51.70
1880	1.00	3.50	5.45	4.75	3.75	2.40	3.80	2.70	2.48	7.55	4.60	2.15	44.13
1881	3.30	1.48	2.72	3.70	4.25	4.70	1.20	7.25	4.50	5.00	1.58	3.80	43.48
1882	2.90	5.00	5.60	3.80	4.07	3.00	1.80	4.65	2.70	2.80	2.70	9.70	48.72
1883	.25	.63	1.40	2.05	3.65	1.80	2.42	4.07	1.95	5.50	2.15	3.05	38.22
1884	6.25	1.82	2.60	3.27	5.10	4.65	1.85	1.55	1.60	5.10	3.22	1.95	37.96
1885	3.02	3.70	5.05	4.50	3.91	1.80	3.12	3.05	2.26	4.16	7.37	1.80	43.23
1886	4.08	5.55	2.70	4.65	1.90	4.50	2.45	4.25	3.25	4.10	2.65	4.65	44.73
1887	3.49	6.88	4.60	7.30	7.25	3.60	3.32	1.35	6.40	6.05	6.60	1.45	58.29
1888	2.21	3.55	4.65	2.20	4.95	7.00	3.70	4.00	3.27	2.05	6.50	6.25	50.53
1889	5.50	6.30	4.35	-	-	-	-	-	-	-	-	-	-

 RUTLAND, MASS. (Muschopaug Pond) (a)
 Lat. 42°23'05", Long. 71°55'30".

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	-	-	-	-	*4.68	4.96	6.29	2.22	9.12	2.68	-
1932	2.33	1.20	3.09	4.74	2.04	4.08	1.84	1.76	2.14	3.72	4.43	7.04	38.41
1933	6.81	5.06	1.73	2.27	3.62	5.27	6.27	2.85	1.82	2.51	4.98	10.41	55.40
1934	3.49	.94	2.52	3.55	2.52	3.63	4.57	4.03	5.45	1.91	2.44	10.17	46.23
1935	2.87	3.15	3.47	4.68	3.01	2.07	2.69	2.74	5.71	3.22	1.41	4.68	39.70
1936	.62	4.47	1.07	7.08	2.70	11.51	3.63	3.77	2.34	2.31	5.58	4.74	49.82
1937	3.61	1.40	7.39	4.96	2.20	3.16	5.19	4.49	4.56	1.80	5.54	4.64	48.94
1938	4.39	7.67	2.93	3.87	2.00	2.65	3.14	3.85	8.00	8.01	4.45	14.41	65.37
1939	2.18	3.69	2.89	2.48	3.49	4.52	4.37	2.03	3.36	1.74	4.99	3.04	38.78
1940	4.42	1.06	3.10	3.08	4.07	4.21	6.60	5.54	2.10	4.55	1.67	2.34	42.74
1941	1.07	6.51	2.46	2.45	2.55	1.38	.91	2.63	2.88	3.96	2.94	.72	30.46
1942	2.55	2.55	3.46	3.58	1.99	6.45	.97	4.55	4.65	5.69	1.64	2.70	40.74
1943	3.88	4.43	4.98	5.06	1.59	3.27	3.50	6.09	1.56	4.79	2.23	1.06	40.34
1944	6.07	5.24	.75	1.37	2.13	4.15	4.17	1.17	8.10	1.32	.87	7.50	42.62
1945	2.01	4.16	3.60	2.88	4.57	2.20	4.60	5.42	6.38	5.85	3.50	2.72	47.89

 RUTLAND, MASS. (North Rutland) (a)
 Lat. 42°25'40", Long. 71°57'55". Elevation, 850 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1924	-	*4.95	3.73	3.23	1.80	2.92	4.43	2.78	0.80	2.67	5.71	4.91	-
1925	0.02	3.05	1.90	2.43	1.99	4.71	2.62	1.21	4.63	4.60	1.70	5.13	33.99
1926	4.06	3.41	2.48	2.14	6.06	2.26	2.45	3.74	2.26	1.98	3.16	*1.67	35.87
1927	5.29	5.06	3.05	2.77	3.25	4.45	2.16	3.40	2.11	7.08	7.90	4.17	47.69
1928	5.07	7.14	6.20	2.46	3.24	1.54	5.26	3.30	6.90	*5.74	5.63	3.57	56.05
1929	1.41	*2.18	1.33	4.04	2.74	3.27	5.25	4.42	2.72	.68	1.30	2.61	31.95
1930	2.48	3.10	2.20	2.64	2.28	2.86	1.98	3.37	2.52	8.95	1.34	1.98	35.70
1931	2.50	2.92	1.92	2.29	2.99	5.23	4.68	5.04	5.18	3.38	5.38	1.43	42.94
1932	2.34	1.06	3.13	3.17	1.50	5.16	1.93	1.42	1.40	3.61	4.42	6.95	36.09
1933	7.18	5.33	2.35	2.74	5.57	8.23	8.02	3.06	2.66	3.29	6.58	9.91	65.02
1934	4.45	1.52	4.45	*3.49	3.82	3.59	4.87	4.40	5.33	2.76	2.64	9.55	*50.85
1935	2.53	3.58	4.09	7.54	4.22	2.09	3.85	2.80	7.08	3.63	.98	5.71	48.10
1936	1.00	4.28	1.59	6.38	4.46	9.89	3.73	3.37	3.63	3.14	6.45	4.64	52.56
1937	3.95	*1.61	8.20	5.36	2.13	2.86	4.53	2.85	5.95	1.46	5.52	5.19	*49.61
1938	3.65	7.78	2.50	3.72	2.15	1.78	3.36	3.55	7.83	10.37	1.69	17.15	65.53
1939	2.72	2.83	2.89	2.67	2.82	4.21	2.52	2.58	3.06	1.49	4.03	2.56	34.38
1940	4.56	.89	3.45	1.34	3.46	3.25	5.31	5.28	2.43	3.65	1.07	2.00	37.99
1941	1.18	7.64	2.15	2.46	2.28	1.19	.50	3.23	3.96	6.38	3.19	.73	34.89
1942	2.68	3.15	2.70	2.69	2.40	6.01	.92	4.18	5.27	5.45	1.67	2.98	40.10
1943	4.23	3.58	3.33	3.29	1.81	2.54	2.55	4.49	1.88	4.81	2.68	1.12	36.51
1944	5.00	5.08	.32	1.11	2.74	3.78	3.20	1.26	8.31	1.95	1.44	7.56	41.75
1945	1.82	3.53	2.82	2.07	4.46	1.89	4.82	5.26	6.75	4.27	3.78	1.64	43.13

 RUTLAND (West), MASS. (b) (c)
 Lat. 42°23'15", Long. 72°01'30". Elevation, 950 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	5.81	5.55	2.44	3.38	1.81	4.54	3.04	6.38	5.74	6.55	3.06	-
1929	2.18	2.00	1.77	3.98	3.58	3.16	5.15	4.07	3.80	1.12	1.80	3.08	35.69
1930	2.30	2.90	2.84	1.95	1.97	3.34	1.76	2.67	2.84	5.33	1.48	2.44	31.82
1931	2.45	*2.84	1.56	2.89	2.89	4.52	2.51	5.48	5.18	3.34	10.78	2.21	46.15
1932	2.56	1.22	3.23	5.44	2.40	4.49	1.51	1.68	1.96	3.82	*4.22	*6.70	*39.03
1933	6.14	4.24	1.76	2.00	2.57	4.27	3.75	3.57	2.45	2.25	5.39	9.20	47.69
1934	5.37	1.19	2.18	3.40	3.60	2.57	3.96	4.30	5.34	3.20	2.72	11.40	49.23
1935	2.71	2.17	5.43	3.14	3.22	2.61	2.93	3.29	5.73	3.85	1.25	4.55	42.68
1936	1.21	3.55	1.41	6.97	4.27	11.68	4.01	3.79	4.29	2.37	5.48	4.91	53.94
1937	3.43	1.68	7.87	5.60	2.46	3.20	4.38	4.52	5.21	2.36	6.16	3.82	50.69
1938	3.77	6.93	3.11	4.36	2.41	2.28	3.23	3.74	8.76	7.96	3.51	12.71	62.87
1939	2.16	3.40	3.83	2.18	2.97	3.62	4.01	2.38	3.00	1.80	4.43	2.10	34.98
1940	4.64	.99	3.66	2.31	3.62	4.45	5.83	5.45	2.18	5.45	1.53	1.80	39.93
1941	1.24	6.59	2.78	2.50	2.22	1.98	.52	2.94	3.23	5.46	2.98	.72	33.16
1942	2.27	2.88	3.46	3.45	2.39	5.15	1.01	4.98	4.19	4.29	2.45	3.24	39.86
1943	3.47	4.78	4.54	2.98	1.24	3.46	3.93	5.17	1.57	4.23	1.44	.68	37.49
1944	5.64	6.03	.73	1.58	2.59	4.62	4.55	1.25	8.51	1.65	.83	7.84	45.82
1945	1.65	4.13	3.26	3.75	4.26	2.11	4.49	5.40	6.52	5.77	3.42	2.00	46.76

HYDROLOGY OF MASSACHUSETTS

SALEM, MASS. (A. A. Smith)
Lat. 42°31', Long. 70°54'. Elevation, 46 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	-	-	-	5.18	7.83	3.66	2.36	3.65	1.57	4.46	3.03	2.81	-
1887	5.00	3.85	5.64	5.65	4.50	5.45	4.47	1.64	2.18	3.70	5.68	.79	46.55
1888	2.82	3.16	3.69	3.70	2.70	5.17	3.28	5.10	1.73	1.96	5.89	7.97	47.12
1889	4.84	6.63	5.50	5.23	2.07	1.66	3.60	3.11	3.89	6.77	4.29	2.80	50.49
1890	9.84	6.15	2.82	2.44	3.21	6.97	2.41	5.65	4.31	2.36	3.56	4.42	48.14
1891	7.85	1.51	5.82	6.21	4.90	4.92	1.81	1.67	4.00	3.00	2.75	2.31	46.42
1892	5.45	1.93	3.58	4.61	2.58	3.76	.63	6.11	3.59	3.03	6.81	1.61	43.69
1893	2.78	5.52	1.30	2.19	5.77	1.95	3.34	5.76	3.31	1.95	8.00	1.44	43.31
1894	3.27	1.77	5.22	3.43	2.94	1.07	2.69	4.78	.62	3.06	1.26	2.28	32.39
1895	5.45	3.68	4.31	3.84	1.23	3.12	3.36	2.80	2.98	3.76	4.96	1.41	40.90
1896	9.10	6.67	2.65	2.71	5.67	4.49	1.70	2.16	2.59	2.73	2.37	6.55	49.39
1897	5.29	3.98	1.97	2.80	2.06	2.69	2.95	4.89	4.19	4.76	3.89	2.27	39.84
1898	.43	6.66	4.39	5.02	5.50	1.98	6.26	4.32	1.87	4.43	7.88	2.52	50.56
1899	7.60	5.93	2.81	4.54	3.75	6.98	1.76	1.33	2.59	1.97	2.19	6.11	47.56
1900	2.41	2.25	1.52	4.91	6.62	-	2.07	5.50	1.67	1.97	-	4.24	-
1901	-	-	2.11	1.68	-	6.56	8.88	-	-	3.48	2.83	-	-
1902	2.77	2.90	7.37	-	6.77	4.33	4.44	1.25	2.19	2.70	2.59	2.90	-
1903	5.06	-	5.53	3.77	-	6.25	4.91	.27	10.48	2.27	3.82	-	-
1904	-	-	2.43	4.52	3.08	2.37	9.43	4.25	3.34	1.39	3.05	5.92	-
1905	2.21	1.80	2.55	4.20	1.62	2.71	2.79	1.59	6.42	.39	3.14	6.67	36.09
1906	1.32	2.45	4.10	2.74	2.63	6.79	2.75	5.01	3.43	4.88	-	2.07	-
1907	8.40	2.85	5.26	2.76	2.18	2.18	3.59	2.96	-	2.91	-	8.16	-
1908	2.29	5.99	4.36	2.58	4.01	2.79	1.40	4.16	.84	4.12	3.76	-	-
1909	5.01	1.18	-	4.85	4.82	3.09	3.82	1.70	3.34	2.60	-	4.15	-
1910	1.49	-	-	-	-	-	-	-	-	-	-	-	-

SALEM, MASS. (Pumping Station, South Essex Sewerage District)(a)
Lat. 42°31'45", Long. 70°52'40". Elevation, 20 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1911	-	-	1.81	-	-	3.21	1.60	0.39	4.31	5.56	4.40	2.74	-
1912	3.32	5.04	4.09	1.84	2.74	4.43	4.33	5.52	.40	5.90	2.86	3.08	43.55
1913	2.08	3.20	4.74	2.61	3.29	4.46	5.33	3.74	.82	2.68	2.94	2.72	38.56
1914	6.70	2.05	3.18	3.85	2.59	4.14	6.80	2.75	2.14	2.82	2.50	.46	39.96
1915	1.50	2.93	3.58	6.30	3.40	.26	1.88	1.16	1.77	9.46	7.12	1.85	40.71
1916	3.28	2.08	4.07	.97	3.66	2.44	5.44	3.44	5.37	4.08	2.94	1.97	39.74
1917	.99	2.51	3.09	2.84	1.92	4.03	2.83	5.27	5.66	1.20	4.62	1.70	36.66
1918	5.12	1.39	1.14	2.30	3.54	1.67	4.52	.46	3.02	3.31	2.30	11.21	39.98
1919	.93	2.29	3.81	3.70	3.18	4.43	2.50	5.93	.97	3.15	6.29	5.59	42.77
1920	3.11	6.17	1.53	1.79	4.74	3.28	6.15	5.87	6.37	1.53	1.45	3.58	45.57
1921	1.05	5.92	4.33	2.59	2.08	3.04	5.65	2.48	3.79	10.10	1.39	2.11	44.56
1922	1.16	7.06	2.76	1.72	2.61	5.02	1.68	6.70	10.23	5.84	4.92	3.55	58.25
1923	2.71	1.18	3.37	4.45	1.88	1.31	6.17	1.85	2.46	2.56	2.78	.49	30.71
1924	4.05	3.21	6.71	3.45	2.08	1.43	3.81	4.27	3.28	1.47	6.72	6.76	47.34
1925	.09	3.02	1.84	2.56	2.39	6.33	2.68	2.73	3.73	3.86	1.74	2.55	33.02
1926	5.85	3.57	5.72	2.56	3.74	2.94	1.84	2.51	1.94	3.42	3.34	1.40	38.83
1927	4.43	4.53	2.98	1.88	2.70	1.33	2.29	3.28	2.31	3.93	6.68	2.90	39.24
1928	3.81	5.51	5.36	1.75	2.69	1.39	5.13	3.48	4.93	3.95	3.19	4.17	45.38
1929	2.89	2.29	2.63	3.19	3.24	3.18	7.95	3.66	1.08	1.95	2.59	1.58	36.03
1930	2.19	2.28	3.34	1.99	2.00	2.93	1.49	2.77	2.27	5.28	2.66	1.11	30.31
1931	3.66	4.09	1.49	3.44	2.94	5.65	2.73	4.43	6.76	2.41	3.64	1.88	43.02
1932	2.46	9.84	3.50	4.96	3.84	4.88	1.32	1.93	2.83	5.14	6.22	3.49	37.49
1933	8.86	4.48	1.50	2.54	3.43	6.87	7.58	2.30	1.18	2.72	3.43	9.67	52.38
1934	3.94	.87	2.88	3.33	2.79	*4.48	2.66	2.28	4.43	.95	1.60	7.16	*37.37
1935	4.02	3.01	2.42	5.26	3.01	1.52	3.66	1.57	6.09	2.04	2.69	3.30	38.59
1936	.35	4.13	1.03	6.57	2.43	5.53	3.99	1.50	2.85	1.85	5.10	5.97	41.30
1937	1.56	1.25	8.67	4.30	1.04	3.31	5.63	2.86	3.27	.89	4.83	4.38	41.99
1938	4.23	4.78	4.02	3.25	2.09	2.46	3.10	4.34	5.67	10.75	2.22	6.94	53.85
1939	2.20	2.30	3.24	1.80	3.89	4.22	4.64	1.97	2.87	1.17	2.08	1.53	31.71
1940	4.68	1.00	2.60	1.92	4.52	3.85	4.76	3.70	2.02	3.00	1.02	4.03	37.10
1941	.78	6.61	2.60	2.57	1.70	1.82	2.24	2.52	2.81	2.54	3.18	.40	29.57
1942	2.02	2.70	3.41	3.55	4.12	5.94	1.25	1.80	3.38	3.73	4.30	2.08	38.28
1943	2.88	5.11	3.98	2.72	1.17	3.75	2.61	5.30	1.79	3.74	1.55	1.68	36.28
1944	4.52	3.44	1.02	2.53	1.80	3.20	3.62	.49	4.14	1.59	1.78	5.90	34.03
1945	2.34	6.40	3.26	2.49	3.19	1.65	2.98	4.29	6.26	4.29	3.36	1.26	41.77

SAVOY, MASS. (Hoosac Mountain)(a)
Lat. 42°39'00", Long. 73°02'20". Elevation, 2,000 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	3.77	2.69	6.95	2.79	3.68	1.48	3.30	2.42	4.15	-
1914	5.53	3.77	3.06	2.85	3.37	2.10	3.21	2.53	2.49	4.51	5.46	.48	39.36
1915	1.94	1.43	1.73	5.26	4.80	.44	.92	2.20	3.20	10.16	8.29	4.22	44.49
1916	3.69	2.26	6.26	3.30	4.69	3.70	3.23	3.92	5.80	6.32	3.12	4.72	51.62
1917	2.26	4.24	3.37	3.26	3.19	4.14	2.20	4.48	5.18	4.63	4.58	1.40	42.93
1918	6.90	1.76	2.42	3.86	4.25	3.87	3.31	4.45	4.11	2.19	2.89	6.52	46.53
1919	2.92	3.19	4.39	2.46	3.26	4.81	2.18	8.77	2.69	4.36	4.78	7.61	51.42
1920	2.90	4.98	2.44	2.43	6.90	4.63	6.24	2.10	5.31	4.45	3.83	6.78	52.99
1921	2.22	4.70	5.92	1.98	3.21	3.73	2.82	2.47	5.41	4.86	3.14	3.65	47.11
1922	2.90	5.71	2.49	2.52	3.21	5.74	5.03	5.86	10.51	3.34	5.14	1.79	53.35
1923	2.21	2.05	3.58	6.24	3.29	2.58	2.43	2.99	5.40	5.18	4.58	4.54	44.82
1924	7.18	4.60	3.15	5.41	2.57	1.39	3.98	5.22	1.61	2.20	3.82	5.27	46.40
1925	.00	3.45	2.74	3.36	3.38	4.51	3.73	4.11	5.20	8.99	2.62	3.76	45.85

PRECIPITATION RECORDS

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SAVOY, MASS.. (Hoosac Mountain) (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	3.42	5.28	2.56	2.02	4.14	3.07	2.91	1.75	4.25	4.51	3.37	3.35	40.63
1927	6.69	4.16	2.65	2.99	2.90	3.16	.79	4.15	3.92	9.71	3.59	1.01	45.72
1928	6.08	9.89	5.55	3.02	2.18	2.63	3.19	4.12	5.94	5.41	8.19	3.51	59.51
1929	.95	1.84	.87	2.40	4.53	5.88	6.67	4.18	2.97	1.12	.68	3.25	55.82
1930	4.96	2.72	1.76	3.42	1.05	2.51	2.44	5.14	2.97	4.95	3.42	2.73	58.09
1931	2.32	4.66	1.52	3.03	2.56	6.04	3.32	6.86	5.95	4.00	4.03	4.21	48.50
1932	2.76	1.84	3.54	6.45	2.83	3.03	3.50	2.38	2.26	7.17	4.53	1.98	42.25
1933	6.11	6.60	2.31	3.38	3.77	6.44	6.62	2.27	2.85	2.87	8.03	6.98	58.21
1934	3.47	1.52	*5.42	-	-	-	-	-	-	-	-	-	-

SCITUATE, MASS. (Greenbush, Water Dept. Pumping Station) (a)
Lat. 42°10'40", Long. 70°45'00". Elevation, 20 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	2.90	3.86	2.79	1.45	3.09	2.03	3.95	3.18	0.20	-
1931	3.75	5.32	2.99	3.23	2.58	5.70	3.32	3.18	7.92	2.27	3.48	2.04	45.78
1932	3.38	.78	2.88	6.26	2.12	5.54	1.33	1.47	2.51	1.47	6.84	5.01	39.59
1933	3.94	5.55	1.75	3.23	4.09	8.25	8.91	1.67	1.55	2.47	8.13	12.56	54.20
1934	3.77	1.80	3.75	3.93	3.36	4.37	2.64	2.10	3.89	.80	2.03	3.87	35.81
1935	4.01	3.01	2.46	5.57	2.80	1.53	5.60	2.02	5.44	2.15	5.61	2.87	48.07
1936	1.34	5.81	1.46	6.60	2.51	6.28	3.44	1.97	3.46	3.04	5.39	9.22	50.52
1937	1.82	1.39	9.70	4.46	1.25	3.49	5.16	2.23	3.47	1.24	5.50	5.66	45.37
1938	3.78	4.73	3.74	3.78	1.97	3.08	2.44	3.72	7.79	6.50	2.90	5.62	50.05
1939	3.01	3.05	3.08	2.48	4.11	4.94	4.50	1.33	2.79	1.96	2.31	1.45	55.01
1940	5.10	2.01	1.87	2.37	4.60	3.64	6.37	3.55	2.03	2.96	.91	3.64	39.05
1941	1.73	7.02	2.43	3.90	1.62	2.13	2.35	3.09	3.33	2.62	2.66	.23	33.11
1942	1.52	1.82	3.22	3.30	3.03	7.49	1.19	1.68	2.66	3.98	2.47	2.40	34.76
1943	3.11	6.02	3.98	3.01	1.53	2.88	3.20	5.26	1.61	4.09	2.65	2.40	39.84
1944	3.25	2.89	1.05	2.18	1.85	5.92	3.42	.18	3.27	1.74	.54	9.32	38.59
1945	2.43	7.26	3.00	3.30	3.60	1.79	1.99	4.77	4.37	2.18	5.26	1.70	41.65

SHARON, MASS. (Sharon Sanatorium)
Lat. 42°07'40", Long. 71°11'30". Elevation, 270 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1903	-	-	-	-	-	-	-	-	-	2.52	3.49	1.27	-
1904	4.26	1.32	3.25	4.60	3.00	3.00	8.62	2.66	1.97	2.51	2.35	6.22	43.76
1905	2.68	1.39	2.71	4.54	1.71	2.45	3.68	1.58	5.17	1.57	4.49	8.54	38.31
1906	1.76	2.07	5.08	3.12	2.98	6.11	2.17	6.31	2.13	7.07	2.00	1.56	42.36
1907	2.08	2.13	9.00	4.38	3.36	2.24	1.77	3.54	1.25	1.25	1.35	4.46	36.79
1908	3.15	2.22	3.64	4.17	4.10	3.93	1.91	3.66	1.82	5.75	4.37	1.14	39.86
1909	4.12	1.03	2.80	4.16	5.46	3.93	4.77	2.10	2.04	1.15	2.06	.37	33.99
1910	1.20	7.80	3.21	4.86	4.17	1.06	2.80	1.46	4.19	1.63	1.43	1.63	35.24
1911	1.80	4.78	2.39	2.81	2.95	3.09	2.77	1.49	4.30	4.55	7.28	3.42	41.43
1912	3.09	6.00	3.14	3.97	2.38	3.35	3.63	3.85	.55	3.32	2.97	1.01	39.26
1913	1.51	3.51	5.93	3.88	3.92	4.91	4.67	2.75	1.35	2.61	3.26	3.07	40.37
1914	7.74	2.49	3.48	4.15	3.72	4.14	6.17	2.70	1.21	3.09	3.70	.26	42.85
1915	1.84	2.98	3.48	6.99	3.96	.03	2.72	2.04	5.80	4.47	5.37	.63	42.31
1916	2.84	2.91	4.64	.97	5.43	4.41	4.15	2.99	4.87	7.68	2.21	1.59	44.89
1917	2.00	2.13	.71	2.64	1.86	4.02	2.05	5.31	4.96	.83	8.01	2.49	37.01
1918	6.15	.54	2.15	3.46	3.85	2.12	3.91	3.47	2.89	4.18	1.51	8.44	42.67
1919	.93	2.15	3.98	3.62	3.27	4.99	3.35	5.68	2.53	5.89	5.70	8.71	50.78
1920	3.44	5.34	2.18	4.06	3.76	4.80	5.97	3.39	6.41	3.39	2.27	3.04	53.05
1921	*1.20	*6.02	*3.62	3.12	3.34	2.76	5.73	3.22	4.11	10.07	2.17	1.65	47.01
1922	1.26	7.64	2.52	1.89	2.43	5.40	1.58	4.71	7.45	2.92	*5.08	*4.74	47.62
1923	2.26	0.18	3.80	7.41	2.01	3.26	5.85	1.15	3.52	3.42	2.58	.92	37.68
1924	7.19	2.47	4.79	2.64	*2.82	*3.18	4.84	3.45	1.91	2.15	6.79	3.80	51.03
1925	.16	1.72	1.67	3.68	2.65	5.37	2.68	2.32	1.85	4.74	1.11	3.67	31.42
1926	4.04	4.08	5.10	-	-	-	-	-	-	-	-	-	-

SHELBURNE, MASS. (Shelburne Falls, Power Construction Company) (b)
Lat. 42°36'05", Long. 72°44'20". Elevation, 370 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1914	-	-	-	-	-	-	-	-	-	-	-	-	-
1915	2.00	2.31	2.73	3.15	4.44	0.11	6.11	2.68	1.21	3.88	6.10	0.29	-
1916	2.85	2.57	4.23	1.82	5.41	2.94	3.22	3.75	3.31	4.10	2.48	5.78	42.96
1917	.86	4.80	2.97	3.46	2.11	2.79	2.22	4.81	6.24	2.37	2.89	.59	35.91
1918	8.24	.58	2.23	2.83	1.69	2.51	2.72	2.87	3.46	1.90	2.00	10.34	41.15
1919	1.21	2.34	3.63	1.48	2.45	4.20	1.83	8.05	.79	2.72	3.57	4.58	36.85
1920	2.57	5.70	1.62	1.75	3.19	3.65	6.38	4.41	3.88	2.81	4.53	4.58	45.05
1921	5.33	5.55	6.21	1.34	2.06	3.00	3.61	4.64	3.27	4.21	2.15	1.79	43.16
1922	2.05	7.28	1.62	.92	2.58	4.64	3.15	4.95	8.18	2.56	6.01	2.21	46.11
1923	2.08	1.50	2.35	3.60	1.66	1.25	2.58	2.28	2.45	4.70	2.24	3.66	30.33
1924	6.23	3.90	5.16	2.40	2.32	.87	6.35	4.23	1.08	2.52	4.11	5.86	46.07
1925	1.60	3.42	2.12	2.06	3.94	3.72	3.22	2.22	3.45	4.95	2.66	3.11	36.87

HYDROLOGY OF MASSACHUSETTS

SHELburnE, MASS. (Shelburne Falls, Power Construction Co.) (b) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	3.69	4.08	3.22	2.22	2.29	2.42	3.14	1.53	2.69	2.39	2.17	2.27	32.11
1927	4.64	5.59	1.64	1.87	2.71	1.75	1.55	3.09	2.74	2.52	4.62	1.93	34.65
1928	5.06	7.13	4.41	2.71	2.75	1.76	5.06	3.18	6.12	5.19	7.11	3.72	54.20
1929	.59	1.02	1.72	3.63	2.82	3.49	6.07	2.57	1.91	1.03	1.86	1.20	28.61
1930	2.79	2.15	3.13	2.21	.91	4.12	1.25	3.58	4.25	3.95	1.63	1.99	31.96
1931	1.71	4.13	1.89	3.72	3.10	5.28	3.24	5.81	4.85	3.93	2.91	2.27	42.84
1932	2.28	1.38	4.45	5.51	3.00	4.93	3.10	2.14	.91	3.37	4.24	2.47	37.88
1933	5.97	7.74	2.16	2.76	3.32	5.18	7.58	1.28	1.76	2.88	6.88	5.98	52.91
1934	3.18	1.08	3.85	3.70	2.70	2.67	6.49	3.21	5.02	4.62	3.53	8.07	48.10
1935	1.94	3.36	3.40	5.89	2.38	1.90	2.35	2.49	5.14	4.03	.80	5.31	38.89
1936	1.24	5.71	1.37	7.04	2.89	10.12	4.34	1.17	2.21	3.04	6.25	.99	46.37
1937	4.90	2.35	6.61	5.38	4.53	4.25	4.76	7.56	4.19	5.15	3.72	5.98	59.38
1938	5.85	7.20	2.58	5.22	1.98	2.05	2.69	3.99	5.89	7.01	1.95	12.50	58.91
1939	2.42	3.21	3.94	3.28	3.11	4.50	5.89	1.51	4.64	1.30	3.21	2.18	39.19
1940	3.96	1.34	3.11	2.69	4.64	5.98	5.51	3.77	4.98	5.38	1.53	2.45	45.34
1941	1.13	5.69	3.98	2.62	3.92	2.14	.85	2.19	3.83	5.28	1.40	2.08	35.11
1942	2.20	4.21	5.45	2.67	3.28	6.87	1.78	5.00	5.13	6.14	3.45	5.58	51.76
1943	2.85	7.27	6.82	2.92	1.33	3.23	4.38	8.25	2.08	6.23	2.31	1.35	49.58
1944	7.41	6.60	.58	1.81	2.45	4.75	4.48	1.82	7.10	4.58	2.64	6.59	50.81
1945	2.24	3.77	4.73	4.25	3.99	2.08	6.66	7.94	7.97	6.53	2.41	3.75	56.32

SHUTESBURY, MASS. (a)
Lat. 42°27'10", Long. 72°24'35". Elevation, 1,175 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	e2.17	6.96	2.28	1.99	7.47	3.35	6.51	3.10	5.46	2.27	6.00	e6.97	54.53
1921	1.48	e4.65	11.00	2.39	2.17	5.01	9.42	3.13	4.98	6.26	3.33	2.73	56.55
1922	1.90	7.00	2.40	1.46	3.87	6.59	2.12	6.10	11.90	5.61	5.79	2.13	56.87
1923	2.82	1.98	3.76	6.92	2.38	2.30	3.88	3.16	2.65	3.62	3.70	2.11	39.28
1924	6.55	4.73	7.38	6.50	2.48	1.66	7.00	3.42	1.74	2.38	3.00	6.06	52.40
1925	.06	2.79	2.53	2.82	3.55	5.10	3.41	2.89	4.92	7.93	2.18	4.61	42.79
1926	4.39	4.14	3.08	2.70	5.49	3.79	2.75	2.25	3.34	3.15	4.93	1.79	41.80
1927	5.69	7.10	3.17	3.21	3.48	1.62	1.89	4.62	4.27	5.05	6.30	3.88	49.78
1928	4.16	9.35	5.81	2.85	3.48	2.52	4.72	3.10	7.78	6.67	8.23	4.23	62.90
1929	1.56	2.37	1.44	5.10	4.13	2.73	6.66	4.84	4.50	.81	1.64	3.71	39.49
1930	3.53	3.34	4.39	2.04	1.55	3.65	1.38	4.08	3.84	5.05	2.49	2.87	38.31
1931	2.89	3.98	1.67	3.38	1.88	5.13	3.65	8.31	4.47	3.10	7.01	2.46	47.93
1932	3.78	1.92	4.52	4.56	2.55	3.95	2.89	2.35	2.84	7.86	4.07	5.03	46.27
1933	4.44	6.28	2.04	2.49	3.34	5.12	6.97	2.58	3.16	2.86	7.06	11.56	57.70
1934	4.62	1.41	3.48	3.95	5.61	4.32	4.99	5.06	5.98	2.75	3.12	11.61	56.90
1935	3.30	4.79	3.79	5.71	3.08	1.83	3.27	2.68	5.80	4.18	1.30	5.82	45.55
1936	1.36	4.75	1.19	6.92	3.98	10.02	4.39	2.85	4.75	2.4	5.88	6.96	55.19
1937	3.72	2.51	6.93	5.80	2.74	3.63	4.97	5.87	8.00	2.32	7.04	4.82	58.85
1938	5.77	7.09	3.03	5.15	2.21	2.07	3.20	4.18	8.69	8.12	3.29	14.93	67.73
1939	2.82	3.36	4.22	2.74	4.25	4.05	4.36	2.56	3.62	2.12	5.72	3.40	43.22
1940	4.49	.75	2.95	2.87	3.20	4.75	5.35	7.21	3.08	4.78	2.87	2.74	45.04
1941	1.31	7.41	2.69	2.15	1.81	1.56	.55	2.05	4.49	3.85	3.18	1.38	32.43
1942	3.18	2.64	4.95	3.98	1.80	7.51	1.06	3.34	4.64	5.14	3.93	4.08	46.25
1943	4.13	5.27	6.06	3.13	1.17	3.32	3.51	5.95	1.88	4.87	4.35	2.24	45.88
1944	4.76	5.03	.59	1.54	2.24	4.75	3.58	1.49	7.72	4.80	2.44	6.18	45.12
1945	2.40	4.52	2.99	3.27	4.24	1.60	6.04	6.58	10.34	8.11	2.83	4.02	56.94

SOMERSET, MASS.
Lat. 41°46', Long. 71°08'. Elevation, 40 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1884	-	-	-	-	-	-	-	-	-	-	4.03	1.94	-
1885	2.10	3.40	5.67	5.26	2.77	1.14	2.31	e3.55	e3.31	2.37	4.18	1.15	37.21
1886	4.34	3.00	2.60	5.09	8.70	4.09	2.08	4.19	1.29	2.04	3.53	2.00	42.95
1887	3.82	4.49	5.04	3.08	3.92	5.05	4.29	3.12	4.03	4.15	4.61	1.46	47.54
1888	2.64	2.37	3.93	3.39	2.87	6.49	2.17	5.15	3.80	5.35	5.72	3.72	47.08
1889	3.09	8.15	4.13	6.20	2.12	2.74	4.84	5.79	3.13	6.38	6.19	3.74	56.50
1890	4.40	8.91	2.37	2.24	2.93	9.61	3.83	5.81	4.58	3.26	3.45	5.19	56.58
1891	9.61	1.04	4.17	8.94	7.09	5.53	4.01	2.09	1.76	4.24	2.12	2.66	53.26
1892	4.37	2.95	3.15	4.98	1.71	4.59	1.69	4.95	2.29	2.51	2.92	3.10	39.21
1893	1.76	5.49	1.39	3.29	7.17	4.78	4.20	4.83	3.34	1.47	6.22	3.00	46.95
1894	2.70	2.53	4.99	2.88	3.98	1.29	3.23	2.97	1.63	1.68	1.81	4.12	34.81
1895	8.21	4.70	5.08	3.93	1.16	3.38	5.37	4.07	2.01	3.41	4.13	1.55	47.00
1896	6.51	4.42	3.20	2.27	6.07	5.22	1.29	2.79	5.32	2.74	2.60	7.40	50.17
1897	2.92	3.21	3.08	3.88	1.72	2.83	4.65	4.71	3.01	4.65	6.12	2.45	43.23
1898	1.34	8.82	4.63	3.38	6.11	3.35	5.68	4.77	1.04	5.78	5.60	2.73	53.23
1899	9.29	7.62	1.99	5.41	5.32	7.84	1.89	2.34	3.05	3.05	1.41	6.76	55.97
1900	3.08	1.01	.88	4.45	6.25	5.97	1.79	5.55	1.92	2.60	3.08	4.37	40.95
1901	4.54	4.38	2.40	2.03	1.22	7.58	8.79	7.54	1.71	5.02	2.97	3.56	51.76
1902	3.12	2.50	8.60	3.40	6.03	6.44	3.55	1.04	4.55	2.19	1.28	3.58	46.28
1903	3.98	1.68	5.83	5.85	6.25	9.27	6.72	1.68	5.35	5.28	4.01	.87	55.87
1904	4.04	2.39	5.19	4.68	3.50	3.58	10.25	2.75	4.17	1.80	3.82	3.62	49.78
1905	1.40	2.56	4.40	4.17	1.49	2.91	2.63	1.80	7.71	1.04	4.08	5.31	42.50

PRECIPITATION RECORDS

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SOMERSET, MASS.--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	2.17	2.70	4.14	3.10	2.79	6.02	2.61	3.93	3.79	3.39	2.89	3.08	40.61
1907	3.64	2.79	5.47	4.23	3.81	1.33	3.83	3.88	1.95	1.17	1.14	97.89	41.13
1908	5.98	5.98	4.78	3.95	4.29	5.95	2.23	3.16	2.13	3.48	5.22	.90	44.87
1909	5.28	1.81	3.65	4.81	5.73	3.85	5.80	2.87	1.08	.54	2.29	3.48	40.69
1910	1.84	3.65	2.53	5.62	4.42	2.64	1.82	2.94	3.80	3.05	2.80	2.29	36.90
1911	2.24	4.27	2.85	2.84	1.91	2.70	3.97	1.68	1.67	4.96	3.87	2.44	35.40
1912	2.91	6.24	2.94	3.46	2.54	6.07	3.91	4.09	.23	.86	3.61	1.76	38.62
1913	.85	3.57	5.52	5.92	3.32	3.58	5.61	1.89	1.28	2.85	2.65	2.80	37.84
1914	9.20	1.99	3.45	2.65	2.43	3.73	3.36	2.28	.96	3.90	2.86	1.57	38.38
1915	2.94	2.37	4.15	8.16	3.96	.03	1.61	2.02	2.49	2.78	4.76	1.51	36.78
1916	2.88	3.16	4.09	1.41	4.39	2.92	4.00	3.74	4.29	10.66	1.31	1.12	43.97
1917	2.29	2.79	3.14	2.87	2.55	3.87	3.04	5.20	4.33	1.12	3.95	2.95	38.10
1918	5.95	.24	1.80	3.33	2.88	2.52	4.09	1.72	2.40	3.16	2.08	3.81	33.98
1919	.90	2.02	2.74	4.76	3.87	4.22	3.04	4.30	1.84	5.47	6.74	7.10	47.00
1920	2.82	4.07	2.54	3.39	4.56	4.07	4.57	4.84	7.79	2.19	2.66	4.04	47.54
1921	1.98	4.17	3.25	2.43	2.25	2.92	5.47	3.20	3.14	6.73	2.60	.95	39.09
1922	1.47	8.26	2.69	2.31	3.08	5.14	2.14	4.40	5.73	5.40	12.16	1.81	54.59
1923	3.90	1.29	64.14	-	-	-	-	-	-	-	-	-	-

SOMERVILLE, MASS. (Old Mystic Pumping Station, Boston Water Works)
Lat. 42°24'55", Long. 71°08'00". Elevation, 60 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1876	-	-	-	1.60	3.68	6.99	3.72	2.23	1.58	8.17	0.90	4.65	-
1877	1.98	6.86	2.28	3.39	.71	7.35	3.23	3.47	1.85	2.34	5.69	.28	39.43
1878	7.45	7.29	.78	5.79	6.00	3.81	5.57	.78	2.57	3.85	8.53	2.47	54.99
1879	4.91	5.73	4.87	2.05	2.74	3.50	5.02	1.99	4.66	2.69	5.37	1.73	45.26
1880	.68	2.75	3.75	2.59	4.33	2.57	1.96	1.90	.89	7.21	3.60	1.50	33.76
1881	2.65	1.97	2.31	5.63	3.74	5.87	1.60	2.87	6.43	3.06	.65	4.07	40.85
1882	2.19	3.86	3.80	4.95	3.62	2.63	2.05	4.33	3.51	1.81	1.28	9.10	41.63
1883	1.93	1.09	2.09	2.91	2.97	1.76	2.24	3.58	1.56	2.63	.51	1.44	24.71
1884	5.38	1.99	2.54	4.70	6.24	4.35	3.51	2.83	4.37	3.89	4.79	.79	45.39
1885	2.66	2.49	4.37	4.83	3.44	1.08	3.48	3.28	3.82	1.98	5.23	1.53	38.19
1886	5.42	6.00	1.85	6.61	6.51	3.27	1.47	2.68	1.48	4.01	2.62	2.81	44.73
1887	2.58	3.89	4.82	4.66	4.13	4.80	4.02	1.42	1.91	4.62	4.07	1.26	41.96
1888	3.05	2.92	3.51	3.65	3.30	4.95	2.87	5.10	2.22	2.27	7.24	3.33	49.39
1889	4.87	6.47	5.26	5.57	1.80	2.25	3.65	4.84	3.43	3.58	3.62	4.86	55.00
1890	3.88	5.88	2.83	2.47	3.25	6.49	2.43	5.83	3.32	2.02	3.35	3.65	45.60
1891	9.00	1.36	4.27	5.99	4.85	5.68	2.85	2.31	4.09	3.29	3.72	2.67	50.08
1892	5.05	2.50	3.45	4.50	2.60	4.06	.92	5.64	3.87	2.53	4.88	1.88	41.86
1893	1.94	4.82	1.26	1.97	7.71	2.54	3.42	6.10	2.07	2.07	5.36	1.92	41.18
1894	4.11	2.21	4.21	3.79	3.09	.99	2.64	4.74	.52	3.13	1.75	3.04	34.22
1895	5.38	3.46	4.46	3.62	.75	2.85	4.28	2.54	3.14	4.04	5.29	1.53	41.34
1896	9.27	7.47	2.17	2.72	5.08	5.12	2.00	1.85	2.32	2.53	2.81	7.07	50.41
1897	3.11	3.62	2.56	3.41	2.56	3.18	3.10	4.84	5.74	3.17	4.05	3.16	42.30
1898	.44	6.90	-	-	-	-	-	-	-	-	-	-	-

SOUTHAMPTON, MASS. (Former Reservoir, Holyoke Water Works)
Lat. 42°18'55", Long. 72°47'10". Elevation, 525 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1897	-	-	-	4.29	2.89	3.27	2.41	4.05	7.16	13.96	6.32	1.24	-
1898	1.25	5.99	6.57	5.82	4.47	2.49	4.20	6.16	4.17	3.95	7.28	3.35	55.70
1899	7.40	5.92	3.73	3.05	3.36	6.81	1.92	1.31	2.43	5.07	1.94	5.01	47.95
1900	1.31	3.16	2.86	3.59	10.28	5.54	1.84	4.44	1.78	2.49	3.91	2.00	43.20
1901	3.32	4.31	3.27	2.11	.78	6.29	10.98	9.93	1.96	2.59	6.15	4.76	56.45
1902	4.77	1.54	4.79	3.52	4.66	6.38	4.45	2.08	2.85	5.75	4.63	5.54	50.56
1903	6.99	1.62	7.46	1.88	5.30	5.57	3.63	.99	14.33	3.60	7.82	2.33	61.67
1904	3.92	1.70	6.28	3.60	2.61	4.33	6.87	4.22	6.73	3.01	5.07	4.73	53.07
1905	3.56	1.00	2.96	4.75	1.72	3.69	2.70	.99	2.99	5.96	5.54	8.89	44.75
1906	2.94	1.86	4.16	2.64	2.43	4.45	5.37	5.45	3.34	6.51	2.59	2.99	44.73
1907	2.80	3.01	3.66	-	-	-	-	-	4.03	1.94	2.10	3.40	-
1908	6.70	6.59	4.91	1.14	2.31	65.55	63.31	2.37	4.18	1.15	4.34	3.00	43.55
1909	2.62	1.02	2.91	4.09	2.08	4.19	1.29	2.04	3.53	2.00	3.82	4.49	34.08
1910	1.32	2.34	3.64	5.03	4.29	3.12	4.03	4.15	4.61	1.46	2.64	2.37	39.00
1911	.72	5.59	1.87	6.49	2.17	5.15	1.66	3.80	5.35	7.27	3.09	6.15	51.31
1912	8.84	2.58	2.54	2.74	4.84	5.79	3.13	6.38	6.19	3.74	4.40	8.91	80.08
1913	5.69	4.24	4.70	9.61	3.83	5.81	4.58	3.26	3.45	5.19	9.61	1.04	61.01
1914	6.77	3.74	3.06	5.53	4.01	2.09	1.76	2.24	2.12	2.66	4.37	2.95	43.30
1915	2.03	4.32	3.14	4.59	1.69	4.95	2.29	4.51	2.92	3.10	1.76	5.49	38.79
1916	2.01	3.41	5.42	4.78	4.20	4.83	3.34	1.47	6.23	3.00	2.70	2.53	43.92
1917	1.55	3.79	2.97	1.29	3.23	3.97	1.63	1.66	1.81	4.12	6.21	4.70	36.95
1918	9.37	1.03	4.30	3.58	5.37	4.07	2.01	3.41	4.13	1.55	6.51	4.42	49.55
1919	1.43	2.93	5.47	5.22	1.29	2.79	5.32	2.74	2.60	7.74	2.92	3.21	41.66
1920	2.56	5.75	2.06	2.83	4.65	4.71	3.01	4.65	6.12	2.45	1.34	6.82	46.95
1921	1.96	6.66	6.93	3.35	5.68	4.77	1.04	5.78	5.60	2.73	9.29	7.62	61.41
1922	1.52	6.29	2.23	7.84	1.89	2.34	3.05	3.05	1.41	6.76	3.08	1.01	40.47
1923	2.11	1.76	3.62	5.97	1.79	5.55	1.92	2.80	3.08	4.37	4.54	4.38	61.69
1924	7.69	4.21	5.44	7.58	8.79	7.54	1.71	5.02	2.97	3.58	3.12	2.50	40.15
1925	.38	3.50	1.62	6.44	3.55	1.04	4.55	2.19	1.28	3.58	3.88	1.88	33.89

SOUTHAMPTON, MASS. (Former Reservoir, Holyoke Water Works)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	4.56	4.43	3.44	9.27	6.72	.68	5.35	3.28	4.01	.87	4.04	2.39	49.04
1927	4.73	5.88	4.20	3.58	10.25	2.75	4.17	1.90	3.82	3.62	1.40	2.58	48.76
1928	6.77	9.25	5.47	2.91	2.63	1.80	7.71	4.04	4.08	5.31	2.17	2.70	54.84
1929	.63	1.87	1.17	4.10	4.40	3.15	8.17	3.29	3.69	.86	1.86	3.05	36.24
1930	6.60	2.98	4.27	2.29	1.25	4.78	2.59	6.12	7.76	4.34	3.16	1.98	48.12
1931	2.08	5.83	2.13	3.83	2.20	6.36	2.96	9.37	6.02	6.83	4.41	1.76	53.78
1932	3.32	1.61	3.10	5.56	3.16	6.24	2.04	1.77	4.73	2.78	3.11	3.89	41.41
1933	7.64	8.59	1.01	2.02	3.38	5.58	5.46	2.22	4.00	1.81	7.33	8.96	58.00
1934	8.66	1.05	3.65	3.22	2.64	2.21	4.13	4.80	6.41	2.39	5.17	11.58	50.71
1935	2.25	3.60	1.90	5.20	2.91	1.32	1.78	2.66	5.95	3.81	.54	5.19	37.11
1936	.55	5.32	1.66	6.95	2.56	12.24	4.31	4.12	2.21	2.24	4.70	5.38	52.24
1937	4.36	1.83	7.01	6.89	3.84	3.74	5.26	6.12	5.18	4.48	5.50	3.88	58.09
1938	6.69	7.81	3.01	7.67	2.70	2.33	2.12	4.70	9.62	12.68	1.84	15.69	76.86
1939	2.55	2.45	5.26	2.81	3.83	5.05	5.17	.60	4.12	3.88	4.69	3.51	43.92
1940	3.88	.98	2.75	2.83	4.36	5.09	5.44	7.13	2.34	2.73	3.13	2.41	43.07
1941	1.38	6.67	2.84	4.81	3.53	2.09	.88	2.97	4.41	5.65	3.01	1.71	39.95
1942	2.22	3.82	4.68	2.84	3.35	6.80	1.45	5.38	3.55	6.42	2.56	5.72	48.49
1943	5.05	6.05	5.94	2.92	1.53	4.05	3.96	6.95	3.65	6.14	1.75	1.72	49.67
1944	7.02	4.95	.63	1.65	2.44	4.98	4.02	.85	4.85	2.52	3.51	5.11	42.51
1945	2.09	4.20	3.78	-	-	-	-	-	-	-	-	-	-

SOUTHBOROUGH, MASS. (Cordaville) (c)
Lat. 42°16'00", Long. 71°31'30". Elevation, 250 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1894	-	-	-	3.75	3.98	1.49	3.86	4.78	2.14	3.14	2.75	2.49	-
1895	5.76	3.58	4.55	4.06	1.77	2.95	5.33	2.19	3.10	4.63	4.38	2.27	44.57
1896	9.38	7.47	3.48	2.47	6.12	5.07	1.42	2.67	3.45	2.39	2.39	6.71	53.02
1897	3.88	3.29	1.94	3.93	2.93	4.30	2.76	4.45	5.64	4.10	3.96	3.15	44.31
1898	.36	6.77	7.76	7.27	4.72	2.55	4.86	3.29	2.96	3.76	9.02	3.25	54.59
1899	6.55	6.58	3.44	1.18	5.04	7.27	2.10	1.29	2.81	3.60	1.39	4.12	48.37
1900	2.79	2.54	2.03	5.24	9.78	6.67	2.83	4.72	3.01	2.25	2.21	3.48	47.55
1901	4.18	5.90	3.10	1.65	1.51	6.60	9.87	7.45	1.56	6.19	4.93	3.73	56.85
1902	3.04	3.26	9.31	2.56	5.72	5.48	4.26	2.09	3.00	2.68	3.04	5.44	49.88
1903	4.86	1.59	6.78	3.96	4.02	7.25	3.24	.94	9.98	2.96	3.96	2.17	51.71
1904	4.85	1.63	3.46	5.52	3.08	2.85	9.31	2.60	2.86	1.89	3.92	6.69	48.86
1905	1.78	1.80	2.61	5.27	2.08	3.01	2.95	1.28	5.64	5.38	2.94	7.31	42.25
1906	1.79	2.33	4.24	2.59	3.07	6.56	3.25	6.33	4.63	3.63	3.77	3.99	46.18
1907	3.85	3.12	4.68	3.45	2.21	2.19	3.67	3.87	4.56	2.12	1.07	9.68	44.45
1908	4.51	7.05	4.82	4.21	5.28	4.26	2.14	5.56	1.02	4.18	5.39	1.12	49.54
1909	2.63	1.12	3.53	3.66	6.03	4.47	4.95	2.78	2.53	1.74	3.35	4.91	41.85
1910	1.25	3.50	4.21	5.87	5.20	.84	2.82	1.40	4.75	2.11	3.11	2.63	37.69
1911	1.96	4.57	2.51	3.19	2.92	3.96	3.01	1.55	2.84	3.21	5.68	3.12	38.52
1912	4.05	4.89	3.80	3.18	2.91	6.82	4.89	4.64	.67	3.13	3.40	1.98	44.36
1913	2.50	4.11	5.56	3.40	2.95	6.04	4.51	4.16	2.17	4.37	3.28	4.13	47.18
1914	6.17	3.09	3.36	4.27	4.25	5.13	5.85	3.61	2.06	4.54	3.90	.39	46.62
1915	1.60	2.73	3.59	6.83	4.12	.07	2.51	1.92	4.09	8.21	6.06	1.19	42.92
1916	3.00	3.22	5.53	1.57	6.21	4.08	4.46	3.45	4.79	5.47	2.01	1.97	45.76
1917	1.65	2.55	3.36	3.87	2.77	5.21	2.34	5.43	4.31	1.20	7.10	1.51	41.30
1918	6.43	1.47	2.90	3.76	3.76	2.63	4.74	1.25	4.13	4.13	1.71	9.36	46.27
1919	1.12	3.19	3.87	3.84	3.65	5.55	3.26	5.06	1.94	6.55	3.98	5.80	47.81
1920	2.37	6.32	2.07	3.51	6.44	4.39	5.41	3.44	6.62	1.96	1.46	3.87	47.86
1921	.92	5.84	5.41	2.78	4.02	2.89	5.32	3.27	3.72	8.56	1.29	1.74	45.76
1922	1.23	8.37	2.71	2.02	3.22	5.85	1.75	5.54	8.98	3.56	5.21	4.13	52.27
1923	2.51	1.51	3.45	7.67	2.52	3.14	5.14	1.10	4.22	2.99	2.39	1.59	38.03
1924	6.01	6.49	5.20	3.81	2.61	2.58	5.91	3.49	1.64	4.04	4.81	6.07	52.96
1925	.14	2.75	1.85	4.41	2.43	6.09	3.07	2.72	5.29	5.84	1.21	3.15	38.95
1926	4.58	3.28	5.74	3.06	5.75	3.21	2.16	2.09	1.51	3.18	5.85	1.59	42.00
1927	3.96	5.52	4.11	2.79	3.57	1.45	2.27	3.21	1.90	3.67	9.86	4.02	46.33
1928	5.47	11.25	5.78	2.81	3.67	2.07	5.75	2.66	7.10	5.92	4.54	3.81	60.83
1929	3.91	2.16	2.76	4.06	3.93	3.20	7.54	3.84	1.10	.77	2.23	2.54	38.04
1930	2.91	2.96	4.37	2.51	2.48	3.96	2.05	2.90	1.60	4.41	3.34	.81	34.30
1931	4.13	4.50	2.75	3.86	2.71	6.22	3.19	3.87	7.13	1.63	5.07	1.14	46.20
1932	2.45	1.01	5.84	4.85	2.71	5.70	2.29	1.89	3.26	1.94	5.09	11.01	45.52
1933	6.50	5.25	1.94	2.37	4.06	7.10	5.41	2.37	1.80	2.20	5.55	10.13	52.08
1934	2.97	1.14	4.20	3.71	4.40	4.52	3.47	3.45	4.56	3.21	2.13	8.42	46.18
1935	3.38	2.56	2.80	7.05	3.32	1.81	4.89	2.45	4.98	1.64	1.31	3.56	39.73
1936	.46	5.33	1.02	6.22	4.27	9.88	3.38	3.29	2.45	1.50	5.40	6.39	51.59
1937	2.41	1.68	8.59	4.94	2.43	3.56	5.13	3.97	4.19	1.74	4.64	3.35	44.61
1938	4.34	6.08	3.94	4.59	2.44	2.71	3.12	4.26	8.08	10.61	4.81	8.98	64.06
1939	1.95	2.99	3.89	2.80	4.54	4.85	4.79	1.58	3.91	1.10	4.15	1.89	38.44
1940	5.64	1.10	3.15	2.60	6.49	4.02	6.11	4.82	2.11	5.02	2.22	3.70	46.98
1941	1.68	6.58	2.83	3.63	2.56	2.91	1.40	2.04	5.48	3.76	3.00	.61	36.28
1942	1.95	2.90	3.70	4.52	3.04	7.79	1.85	2.94	2.88	7.74	2.35	2.19	42.85
1943	3.24	5.41	7.17	3.30	1.67	4.10	3.66	5.07	2.60	5.00	1.60	1.04	43.86
1944	6.07	4.28	1.37	1.74	2.83	4.82	5.12	.94	4.58	-	-	-	-

SOUTHBOROUGH, MASS. (Sudbury Dam) (c)
Lat. 42°18'15", Long. 71°29'30". Elevation, 260 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1899	-	-	-	4.05	4.81	6.56	1.95	1.41	2.40	2.94	1.26	3.75	-
1900	2.53	2.10	1.70	5.03	8.84	6.32	2.59	4.28	2.75	2.68	2.11	3.25	44.18

PRECIPITATION RECORDS

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SOUTHBOROUGH, MASS. (Sudbury Dam) ^(c) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1901	3.72	5.58	2.50	1.81	1.35	8.34	8.19	7.74	1.37	5.08	4.10	2.91	50.69
1902	3.04	2.70	8.29	2.45	6.01	4.71	3.84	1.93	2.91	3.04	3.72	4.40	47.04
1903	4.37	1.44	5.80	3.85	3.85	6.37	2.87	.95	10.41	2.69	3.44	1.89	47.75
1904	4.84	1.50	2.84	4.64	2.86	2.57	3.38	2.84	3.36	2.24	4.32	4.80	45.19
1905	1.58	1.98	2.80	5.20	2.58	3.27	2.80	1.29	4.87	6.51	2.65	6.06	41.09
1906	1.46	1.93	3.85	2.33	2.78	6.12	2.80	5.40	3.87	3.45	2.43	2.90	39.32
1907	3.12	2.48	4.38	3.14	2.17	1.81	3.51	3.60	3.46	1.58	1.09	8.97	39.27
1908	4.27	5.53	4.30	3.52	4.13	3.50	1.82	5.11	.79	3.73	4.24	.92	41.86
1909	2.52	1.00	3.03	3.82	5.83	4.18	4.60	2.32	2.80	1.77	2.82	4.92	39.31
1910	1.01	3.41	4.04	5.28	4.98	.89	2.83	1.26	4.11	1.88	2.24	2.16	34.09
1911	1.87	3.90	2.39	2.78	2.78	3.50	2.49	.72	2.47	3.35	4.26	2.46	32.97
1912	3.70	4.59	3.32	2.77	2.88	6.04	4.19	4.71	.28	2.64	3.24	1.80	40.16
1913	2.01	3.58	4.94	2.93	2.79	5.43	4.19	3.99	1.57	3.80	3.24	3.50	41.97
1914	5.31	2.42	3.08	3.68	4.18	4.34	4.88	2.80	1.84	3.48	3.66	.24	40.27
1915	1.62	2.58	3.84	6.08	3.40	.02	2.54	1.48	3.59	3.86	6.22	.87	40.88
1916	3.06	2.76	4.85	1.51	5.92	4.02	4.15	3.44	4.90	5.18	2.26	2.02	44.07
1917	1.37	2.23	3.20	3.20	2.65	4.69	2.28	4.89	4.26	1.04	6.85	1.45	37.89
1918	5.41	1.23	2.88	3.49	3.50	2.38	4.10	1.06	3.64	3.82	1.73	8.07	41.31
1919	.97	2.80	3.46	3.47	3.43	4.70	2.82	4.65	2.11	5.70	3.42	4.91	42.44
1920	1.95	6.08	2.08	3.06	8.15	4.72	5.12	3.27	7.23	1.97	1.57	3.62	46.80
1921	.88	5.75	4.98	2.84	4.18	2.67	5.22	3.28	4.23	6.02	1.00	1.85	42.68
1922	1.14	8.08	2.49	2.06	3.26	5.22	1.65	5.60	9.78	3.33	4.62	3.86	51.05
1923	2.80	1.26	5.40	7.64	2.50	5.11	5.79	1.00	4.15	2.58	1.95	1.44	37.14
1924	5.85	5.74	4.83	3.52	2.31	2.53	5.73	3.19	1.24	3.05	4.45	5.38	47.82
1925	.10	2.45	1.61	4.39	2.24	5.70	3.08	2.30	4.86	4.30	1.21	2.82	34.86
1926	4.43	3.00	5.96	2.96	8.05	3.16	2.19	2.30	1.43	2.76	5.38	1.32	40.94
1927	3.59	5.16	3.98	3.00	5.45	1.40	2.24	3.09	2.48	3.98	9.07	3.57	45.01
1928	5.37	8.08	5.51	2.60	3.60	1.99	5.59	2.58	8.43	5.01	4.86	4.02	55.40
1929	6.51	2.16	2.55	4.12	3.76	3.24	7.22	3.57	1.68	.95	2.30	1.62	36.88
1930	2.77	2.97	3.93	2.63	2.55	3.79	2.12	3.75	1.62	3.75	2.71	.96	33.55
1931	4.29	4.22	2.60	4.01	2.48	8.28	3.07	3.74	6.62	1.48	5.07	1.17	45.03
1932	2.23	.94	3.26	2.65	2.78	5.59	2.17	1.33	3.37	2.03	4.80	10.96	44.11
1933	6.76	4.94	1.95	3.84	4.06	7.25	5.75	2.51	1.34	1.48	3.36	10.25	52.03
1934	3.10	1.08	4.03	3.83	4.39	4.78	3.71	4.00	4.38	2.65	2.09	8.98	46.98
1935	3.25	2.81	3.10	6.66	3.58	1.84	5.22	2.29	5.71	1.56	1.53	4.23	41.58
1936	.55	5.12	1.02	8.18	3.96	9.95	3.33	2.48	2.68	.82	5.16	4.83	46.08
1937	2.24	1.66	8.67	4.61	2.43	3.57	4.73	3.91	4.06	1.43	5.14	3.18	45.65
1938	3.59	6.90	3.90	4.83	2.44	2.67	3.05	3.89	7.28	9.77	5.73	3.97	61.42
1939	1.87	3.14	3.68	2.36	4.34	5.11	4.46	1.81	3.26	1.97	3.67	2.09	37.76
1940	4.85	1.07	3.25	2.25	5.86	3.90	5.61	4.50	2.04	4.88	3.83	3.08	42.44
1941	1.01	6.82	2.72	3.87	1.97	2.88	1.21	2.34	4.08	3.29	3.21	.81	34.01
1942	1.71	2.80	3.56	4.17	3.13	7.30	1.75	2.46	3.12	8.27	2.38	1.78	42.43
1943	3.13	4.98	7.10	3.37	1.53	4.28	3.43	4.67	2.27	4.42	2.00	.70	41.66
1944	5.71	4.12	1.17	1.84	2.55	4.71	4.36	.80	5.55	1.24	1.40	5.72	39.17
1945	2.06	6.70	3.83	-	-	-	-	-	-	-	-	-	-

SOUTHBURIDGE, MASS. (Hatchet Brook, Southbridge Water Supply Co.) ^(a)
Lat. 42°03'00", Long. 72°04'45". Elevation, 720 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	1.85	2.97	7.21	4.80	9.22	0.51	4.26	3.81	1.97	-
1913	1.81	4.70	4.17	3.04	2.54	5.02	5.38	3.78	1.95	1.04	5.27	3.73	42.43
1914	8.35	3.02	3.40	2.11	3.97	2.41	5.54	3.35	2.04	2.31	3.34	2.70	38.04
1915	2.68	2.45	62.88	6.18	3.57	.16	3.32	2.87	3.45	5.46	7.33	1.57	41.88
1916	2.74	1.48	4.14	1.69	5.42	1.32	2.95	3.23	5.02	5.70	1.84	3.68	39.21
1917	2.14	3.85	2.95	3.62	2.73	3.72	1.96	2.45	4.57	1.09	5.76	1.60	36.44
1918	6.67	.89	1.48	5.02	4.13	1.94	4.24	1.58	5.89	3.18	2.74	8.24	42.00
1919	1.49	2.82	3.65	4.30	3.36	5.85	3.12	9.16	2.54	4.76	3.52	8.29	52.76
1920	3.09	5.74	2.13	2.43	5.47	4.33	6.29	4.38	7.17	3.82	2.19	7.79	54.83
1921	1.01	5.18	6.33	2.62	2.23	3.88	4.41	5.45	2.45	8.33	2.11	1.99	45.97
1922	2.08	6.39	2.87	1.51	2.70	6.74	2.28	4.38	6.37	8.06	8.87	4.65	52.90
1923	2.88	1.40	3.35	8.99	2.64	3.06	4.59	1.48	4.15	1.43	2.10	2.39	36.46
1924	5.25	5.39	5.18	4.46	2.53	3.15	6.89	2.52	1.80	4.20	4.36	4.48	50.21
1925	.17	1.94	1.92	2.55	2.47	4.94	2.55	2.50	3.93	6.15	2.17	2.84	34.13
1926	4.44	3.28	2.80	2.81	4.54	3.31	2.82	2.52	1.96	4.97	3.62	1.87	38.72
1927	5.44	5.86	3.80	2.44	3.38	1.77	2.20	3.84	4.37	4.12	7.28	1.93	46.59
1928	6.03	6.82	6.76	2.70	3.98	1.88	4.62	1.61	5.40	6.69	5.80	3.55	55.74
1929	1.89	2.09	1.85	4.36	3.78	2.99	6.80	5.42	2.35	.94	1.54	2.22	36.23
1930	3.20	3.22	3.88	2.41	2.50	3.58	1.71	3.29	2.91	2.81	1.63	1.63	32.77
1931	2.81	3.59	2.52	3.39	2.01	4.54	2.84	4.49	6.87	2.71	8.09	1.28	43.14
1932	1.49	1.40	3.22	4.80	2.33	4.94	2.28	2.99	2.95	2.79	5.38	6.34	40.91
1933	6.88	5.76	2.38	2.46	4.84	6.49	6.38	3.30	2.91	5.40	5.55	9.28	61.63
1934	2.87	2.05	4.33	4.43	3.71	4.18	4.19	4.53	5.58	2.02	2.92	11.39	52.20
1935	3.18	3.48	3.24	6.21	3.51	2.58	3.73	2.53	7.00	3.40	1.52	4.42	44.60
1936	.65	4.26	1.30	6.97	3.87	11.85	3.55	3.38	2.12	1.93	5.06	4.79	49.73
1937	4.40	1.39	8.12	6.14	2.44	3.65	5.57	3.40	4.48	4.66	5.82	4.87	54.74
1938	5.07	9.51	3.15	5.59	2.72	2.66	2.89	4.68	8.02	11.69	4.01	15.82	75.61
1939	1.76	3.31	3.80	3.32	4.87	4.87	4.80	.77	3.55	1.67	10.00	3.84	47.16
1940	5.49	1.06	4.73	3.15	4.92	4.90	6.72	6.42	3.46	4.65	1.26	2.76	49.62
1941	1.70	8.52	2.83	3.14	3.18	2.55	1.37	3.87	4.62	7.20	4.60	.65	42.23
1942	2.08	3.19	3.86	4.86	2.64	7.60	1.21	2.69	4.25	5.14	3.25	2.46	42.76
1943	3.74	6.08	5.93	3.84	1.96	4.23	3.81	5.15	2.32	4.50	1.47	.88	44.49
1944	6.01	5.47	.32	1.52	2.62	4.77	.95	1.15	5.85	2.91	1.52	7.36	45.05
1945	2.33	5.35	3.91	3.26	5.08	2.29	4.63	5.25	4.96	2.14	3.59	1.35	44.14

SPRINGFIELD, MASS. (b)
 Lat. 42°06'30", Long. 72°34'55". Elevation, 200 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1848	-	-	-	2.01	2.08	3.06	1.77	8.34	4.64	3.61	2.11	1.92	-
1849	3.28	3.99	4.57	.68	.52	3.91	1.26	4.66	3.13	4.60	1.36	34.10	
1850	7.50	2.56	2.04	4.18	3.67	2.94	4.29	8.21	2.55	5.28	5.94	5.78	55.94
1851	4.03	2.11	3.82	1.61	4.94	1.32	3.89	4.10	3.54	3.95	5.57	1.73	40.61
1852	6.96	4.84	2.77	1.88	3.12	2.54	4.37	2.88	2.46	2.96	6.47	1.77	45.02
1853	2.59	5.45	3.95	1.46	5.75	2.33	3.46	4.88	1.89	6.43	8.24	5.78	52.51
1854	4.34	4.88	1.82	2.77	4.87	2.28	7.79	4.10	1.85	7.47	.88	4.54	47.59
1855	2.44	8.13	3.25	4.00	3.04	.95	3.11	1.91	4.15	8.18	2.40	.74	42.50
1856	9.46	3.87	5.40	3.11	.75	1.04	3.02	5.23	1.70	1.69	11.72	2.57	49.56
1857	1.40	2.26	4.15	3.21	1.98	2.52	5.15	5.76	2.27	6.24	3.49	3.61	41.52
1858	4.17	1.55	5.21	3.21	1.88	.88	3.48	2.99	5.50	5.97	3.74	4.02	40.40
1859	3.12	1.92	3.29	5.33	3.56	6.39	2.86	4.65	6.38	2.28	4.01	4.11	47.90
1860	1.91	2.68	4.45	1.60	2.71	2.50	1.49	2.62	4.12	5.32	4.98	4.98	39.31
1861	2.60	4.30	4.19	4.57	3.05	3.25	5.76	4.42	3.31	3.94	5.35	3.36	48.10
1862	5.19	3.87	2.05	5.65	2.59	4.43	2.24	2.93	10.04	6.54	3.25	1.83	50.61
1863	2.76	4.75	2.95	4.70	4.19	6.12	2.25	3.20	1.70	9.77	3.35	2.44	48.18
1864	4.23	5.32	4.43	2.51	1.22	2.25	2.54	2.87	.56	1.22	2.54	2.61	82.50
1865	2.97	5.16	4.45	3.25	2.47	5.07	2.72	8.39	3.74	3.86	1.67	.65	44.58
1866	4.57	2.64	3.12	1.52	4.86	2.93	2.23	5.86	5.08	3.00	2.83	5.21	43.85
1867	2.76	3.24	3.30	1.85	4.57	4.07	3.16	5.06	4.33	2.29	10.05	2.59	50.25
1868	3.55	3.29	1.77	3.65	1.66	3.79	4.53	8.90	3.46	5.35	3.27	9.96	50.78
1869	1.62	4.87	1.42	3.31	4.48	5.75	1.80	5.91	5.88	2.67	1.40	4.17	45.28
1870	13.50	3.30	5.80	5.80	5.54	3.35	3.90	1.86	3.54	3.27	1.77	2.34	53.97
1871	4.62	3.03	1.89	2.87	2.84	5.63	3.12	4.28	6.55	2.21	8.29	1.32	46.65
1872	6.26	3.71	2.66	1.51	2.50	3.35	2.20	3.16	3.37	6.20	7.13	4.34	46.39
1873	3.87	4.92	3.41	5.28	2.89	2.91	2.55	4.86	.66	3.46	4.41	4.53	46.55
1874	7.03	4.01	4.64	5.25	3.55	1.60	6.44	4.90	3.87	5.82	4.23	2.31	53.44
1875	2.23	2.96	1.47	2.85	4.04	4.78	3.62	2.24	3.54	3.22	9.92	2.40	45.26
1876	4.06	4.86	1.46	2.10	5.65	8.47	3.12	3.31	2.63	4.59	1.40	4.75	46.40
1877	1.21	3.48	4.64	3.24	.80	8.12	2.95	1.11	3.39	4.24	2.53	.78	36.39
1878	8.29	5.95	1.06	4.29	4.30	3.82	6.72	2.48	7.97	2.32	3.91	2.31	53.52
1879	2.65	5.64	5.98	1.79	4.06	5.14	4.93	2.49	6.68	4.50	7.15	2.98	53.94
1880	1.42	2.19	5.00	3.93	4.04	3.14	3.64	1.94	2.02	6.44	3.17	2.74	39.67
1881	4.07	3.45	2.07	4.57	4.15	3.35	1.73	4.68	6.21	3.10	3.10	.79	41.27
1882	3.62	4.98	5.23	4.76	4.76	3.34	4.41	5.89	4.00	1.89	1.59	11.40	53.49
1883	1.83	.80	2.12	2.60	.76	7.70	2.25	3.07	3.30	3.44	2.00	3.34	33.71
1884	5.36	1.24	3.66	4.77	6.23	5.22	3.10	2.60	4.72	5.27	6.12	1.81	50.10
1885	2.76	3.48	5.20	4.65	3.52	1.82	3.31	2.55	2.05	4.09	7.47	1.01	41.91
1886	4.89	5.91	4.39	5.31	4.80	3.76	2.56	3.30	1.74	4.27	3.31	4.45	48.69
1887	3.43	4.77	3.76	4.85	5.23	4.19	3.43	1.02	6.44	6.61	7.69	1.84	53.26
1888	1.96	3.21	3.81	4.22	4.07	6.48	2.49	4.28	5.97	3.06	4.03	9.00	52.58
1889	5.50	4.08	4.84	3.88	1.69	1.57	2.28	4.28	3.72	8.85	2.39	4.30	47.38
1890	4.67	5.66	3.11	2.68	4.07	6.31	2.21	5.36	1.83	4.69	5.57	11.12	57.28
1891	6.70	1.11	3.15	7.66	4.34	3.60	2.55	2.18	3.50	6.37	4.01	1.41	46.78
1892	3.39	3.00	4.80	4.99	2.09	2.29	.64	6.96	4.43	7.17	6.58	1.89	48.23
1893	.97	6.14	1.14	3.49	5.94	3.70	4.49	5.48	3.69	2.07	3.12	2.53	42.76
1894	5.16	2.08	4.04	2.30	2.13	1.87	1.93	3.59	2.06	2.52	.93	5.31	33.92
1895	4.98	4.23	3.50	3.69	1.29	2.24	3.93	1.91	3.26	4.56	3.70	3.11	40.40
1896	6.20	4.59	2.77	.76	4.45	6.78	.85	2.57	2.87	5.74	2.58	6.24	46.40
1897	4.03	2.90	1.37	3.99	2.69	3.07	2.24	4.70	6.22	14.99	4.07	1.52	51.79
1898	1.64	5.15	5.16	4.42	4.45	1.00	3.46	5.50	3.26	4.54	6.52	2.73	47.83
1899	6.09	6.93	3.05	5.20	4.42	6.80	2.37	1.78	4.03	5.37	1.30	3.35	46.97
1900	2.93	1.96	1.67	3.60	6.69	5.85	1.25	5.07	2.84	2.44	1.62	2.52	40.44
1901	3.60	5.86	2.76	1.74	.63	5.92	6.80	5.26	1.23	5.11	7.74	3.10	49.75
1902	4.31	1.37	8.82	1.33	4.00	4.74	3.42	1.40	2.76	3.90	4.62	5.41	46.08
1903	5.75	.70	6.55	2.80	3.91	5.53	2.47	.78	8.01	4.55	6.86	2.58	50.59
1904	2.27	2.55	2.61	2.77	2.01	3.99	5.89	2.14	1.88	2.68	6.99	5.97	41.35
1905	1.96	1.07	2.41	2.83	1.10	2.86	1.86	1.40	2.78	.85	3.87	6.68	29.67
1906	1.47	1.96	3.36	1.88	2.87	5.22	3.32	4.25	5.15	3.45	2.49	3.02	38.44
1907	6.50	2.32	3.95	2.82	4.48	1.21	4.38	3.33	3.26	1.57	1.25	8.28	43.13
1908	6.28	4.61	4.12	3.25	3.50	2.26	.79	5.52	2.40	5.89	6.70	.74	47.96
1909	2.41	.69	2.17	2.51	5.89	3.09	7.10	3.77	1.45	1.35	4.58	4.74	33.55
1910	1.46	2.34	1.45	5.07	3.73	1.35	3.57	2.26	3.50	2.34	3.15	3.32	33.54
1911	.90	4.13	1.72	2.60	1.46	2.04	1.60	1.27	2.81	3.97	7.14	3.89	33.51
1912	8.91	3.73	2.81	1.22	2.11	4.53	4.78	3.87	.36	1.83	2.32	2.14	38.63
1913	2.02	3.06	2.93	1.94	1.84	5.39	2.60	4.50	.70	1.21	2.66	2.41	31.26
1914	6.28	2.21	2.77	3.23	3.55	4.97	4.81	3.72	2.55	3.71	2.94	.31	41.05
1915	2.46	2.70	3.01	5.73	5.35	.15	2.25	1.63	2.83	6.04	6.51	2.60	41.26
1916	2.77	2.26	5.68	1.40	4.99	3.22	3.49	4.04	3.98	4.58	2.31	4.54	42.26
1917	1.32	2.70	3.08	3.57	2.73	2.57	1.58	4.06	3.11	3.72	7.04	.94	37.42
1918	4.46	1.90	1.49	3.73	3.13	2.18	2.98	1.47	3.39	1.76	3.14	5.40	35.03
1919	.68	2.10	5.09	1.54	3.44	5.32	2.76	5.58	2.06	3.76	2.56	4.72	39.61
1920	1.67	4.91	2.16	2.90	3.34	2.19	3.46	2.40	7.03	2.90	2.80	4.18	39.94
1921	1.52	4.06	2.16	3.56	2.80	3.04	2.68	1.95	2.90	7.69	3.72	2.06	38.14
1922	1.62	7.04	1.68	1.56	1.60	5.93	1.22	1.93	6.69	6.97	3.47	1.96	41.67
1923	3.45	1.48	1.67	7.15	1.28	1.87	3.46	2.60	3.71	1.84	1.48	1.86	31.85
1924	6.80	3.78	3.77	3.21	2.58	.80	5.21	2.25	1.85	3.47	5.61	3.80	41.09
1925	.11	2.37	1.90	3.97	2.92	5.31	2.63	2.06	2.85	4.05	1.54	3.01	32.52
1926	4.54	2.36	2.61	1.09	4.72	3.74	2.60	1.88	1.16	5.62	4.06	1.67	36.05
1927	3.82	5.59	3.49	2.20	3.44	1.66	2.00	4.98	3.74	4.85	6.65	1.17	43.59
1928	4.54	6.99	4.97	2.41	3.92	2.49	4.94	1.89	4.99	5.27	10.31	2.58	55.40
1929	.86	1.83	.72	4.15	4.73	3.07	6.39	4.42	1.24	.45	1.74	3.22	32.82
1930	1.89	2.92	3.69	2.00	1.48	3.22	1.08	5.04	9.48	8.46	1.23	1.66	40.15

PRECIPITATION RECORDS

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SPRINGFIELD, MASS. (b) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	2.04	3.05	1.87	3.72	1.77	3.31	2.53	6.95	5.91	2.72	4.75	1.62	40.24
1932	2.61	1.08	3.20	6.90	2.82	4.04	1.63	1.50	6.26	8.16	4.19	4.49	46.68
1933	5.05	5.25	1.46	2.12	3.84	4.18	6.46	2.42	2.95	1.69	7.53	7.90	50.83
1934	3.24	.66	2.78	3.17	3.45	2.53	6.16	5.12	6.41	2.02	4.23	9.55	49.32
1935	2.17	2.78	3.02	5.62	3.24	1.80	2.53	2.28	5.31	3.96	.82	4.56	38.09
1936	.90	3.34	.63	6.76	3.27	3.34	3.84	3.44	3.60	2.53	3.98	2.72	43.35
1937	4.05	1.62	5.99	4.33	2.07	3.47	3.99	4.10	5.35	2.86	4.13	3.26	45.32
1938	3.94	5.37	2.14	5.10	2.05	1.85	3.16	4.14	7.69	3.30	3.20	12.21	59.62
1939	2.78	4.04	3.67	2.75	3.56	4.86	4.70	.72	3.13	2.17	4.94	2.88	40.20
1940	4.79	.91	3.16	3.18	2.33	5.04	5.44	5.79	2.95	4.96	1.84	1.92	42.31
1941	.99	5.38	2.34	2.23	1.43	2.33	.51	2.36	3.55	5.31	3.33	1.78	32.04
1942	1.32	3.84	3.24	3.27	2.77	5.45	.43	4.27	4.71	6.96	2.00	4.73	42.99
1943	3.45	5.12	5.96	2.97	1.59	3.23	3.07	5.76	2.78	6.59	.90	.89	42.31
1944	4.50	4.34	.69	1.37	2.06	4.21	4.68	.87	4.75	1.85	3.25	6.44	39.01
1945	2.06	4.99	2.73	3.78	3.34	1.90	6.05	6.73	5.66	5.57	4.09	1.66	48.56

STERLING, MASS. (b) (c)
Lat. 42°26'35", Long. 71°47'55". Elevation, 555 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1897	-	-	-	3.59	2.53	3.81	2.24	5.18	5.25	9.06	3.66	1.66	-
1898	0.87	7.59	6.31	6.96	2.94	1.98	4.59	3.29	3.11	2.78	3.98	3.18	56.37
1899	7.20	6.24	3.60	2.78	5.23	6.71	1.80	.99	4.39	5.43	3.54	3.32	49.76
1900	2.59	1.85	1.70	4.19	8.76	6.22	2.33	4.26	3.84	2.61	2.90	3.47	44.72
1901	2.98	6.21	3.17	1.52	.96	5.79	10.03	6.86	1.65	5.51	3.99	2.90	51.57
1902	3.54	2.07	8.84	2.30	4.72	5.12	4.37	2.61	2.51	4.16	3.01	3.72	46.77
1903	6.38	.76	7.00	2.66	4.39	6.37	3.05	.97	10.56	3.27	3.34	2.62	51.37
1904	4.38	2.16	3.84	3.50	2.43	3.22	6.93	3.02	3.54	3.14	3.59	5.22	44.97
1905	1.70	1.61	2.87	6.43	1.65	3.74	2.62	.81	4.17	5.49	2.75	6.78	40.62
1906	1.63	2.22	3.40	2.33	2.50	4.60	2.63	6.27	5.98	4.34	4.54	2.34	42.78
1907	4.03	2.01	4.37	2.71	2.79	1.85	2.23	2.78	3.49	3.55	1.05	8.74	39.52
1908	5.52	5.43	4.01	3.20	4.83	2.59	2.52	5.10	1.39	3.73	5.79	.91	45.21
1909	1.96	.97	3.15	3.21	5.86	4.35	4.84	2.44	3.05	3.59	3.32	3.30	40.04
1910	1.86	1.23	4.09	5.29	5.62	.81	2.77	1.68	4.83	1.59	3.91	2.66	36.34
1911	1.51	4.16	1.98	2.72	2.29	3.60	2.12	1.26	2.40	2.12	5.27	3.00	32.43
1912	5.22	4.41	3.01	2.20	2.28	5.63	3.69	6.15	.36	2.43	2.82	1.98	40.18
1913	2.41	3.96	4.69	3.01	2.54	5.56	3.90	3.59	.62	1.74	3.10	3.77	38.89
1914	5.51	2.35	2.26	3.00	3.51	4.45	4.65	2.77	1.91	3.80	4.59	1.15	38.95
1915	1.82	2.39	4.00	5.48	3.29	.05	1.70	1.65	2.78	8.57	6.14	1.74	39.61
1916	2.91	2.97	5.05	1.55	5.72	3.03	3.73	1.90	6.26	4.67	1.62	3.76	43.17
1917	1.25	3.22	2.84	3.24	2.90	4.07	1.65	3.94	4.47	1.37	3.26	1.01	33.22
1918	6.29	.91	2.94	2.67	4.51	1.97	3.15	1.17	3.96	2.13	3.02	6.94	39.66
1919	1.26	3.25	3.86	3.17	3.69	5.69	2.70	6.81	1.48	4.64	4.27	6.43	47.25
1920	2.58	6.29	2.30	3.17	5.77	3.97	6.26	4.11	6.36	4.53	2.92	7.07	55.23
1921	.67	5.76	6.35	2.67	3.33	2.68	6.55	2.64	3.34	6.15	1.43	2.15	44.32
1922	1.75	7.32	2.50	2.32	3.38	6.53	1.94	4.98	9.69	4.91	4.80	3.39	53.51
1923	2.23	1.71	3.85	7.55	2.37	3.16	5.47	1.44	3.31	4.11	1.67	1.03	37.90
1924	5.00	6.09	5.84	3.92	3.49	2.15	6.95	3.55	1.10	2.55	4.37	4.01	49.02
1925	.09	2.98	2.06	3.70	2.22	6.03	3.10	1.81	4.06	3.33	1.40	3.74	34.52
1926	4.23	3.26	4.58	2.79	5.23	2.74	2.51	2.09	1.63	2.85	2.70	1.24	35.87
1927	4.47	4.57	4.18	2.86	4.44	1.51	2.13	2.89	1.71	4.57	8.57	3.61	45.51
1928	4.46	7.00	5.96	2.95	3.88	2.09	5.53	3.16	6.77	4.98	4.50	3.92	55.15
1929	1.73	2.43	2.02	4.56	4.26	3.50	6.03	4.98	3.10	1.25	1.24	1.63	36.73
1930	2.92	2.98	3.31	2.11	1.80	3.72	1.57	2.45	2.74	6.63	1.49	1.64	33.31
1931	3.63	4.09	2.45	3.54	2.42	5.40	2.85	4.21	5.77	2.17	7.05	1.72	45.30
1932	2.42	1.52	3.61	5.69	2.94	5.55	2.28	1.48	2.16	3.80	3.52	7.04	41.79
1933	7.46	5.88	2.19	2.36	4.80	5.63	6.10	2.55	1.32	2.72	4.21	10.54	54.96
1934	3.24	1.89	3.62	3.90	3.04	4.04	4.31	4.33	4.80	1.64	2.32	8.70	45.82
1935	2.33	2.62	4.06	6.33	3.49	1.97	3.40	1.01	5.93	2.27	1.79	4.82	40.51
1936	.54	4.63	1.27	7.43	2.37	10.74	3.78	3.09	2.94	2.12	5.04	4.59	48.54
1937	2.68	1.52	7.98	5.01	2.36	3.36	5.32	4.74	4.04	1.30	5.18	3.93	47.42
1938	4.08	8.23	3.37	4.38	2.23	2.77	3.47	3.59	7.53	8.62	2.45	10.68	61.40
1939	2.76	3.51	3.45	2.70	3.66	4.97	4.54	2.34	3.42	1.29	2.66	2.26	37.56
1940	4.50	1.15	3.17	3.30	3.90	4.20	5.82	5.36	2.41	3.27	1.72	1.83	40.63
1941	1.13	7.15	2.74	3.42	2.22	2.78	.83	2.41	2.96	4.20	2.83	.65	33.44
1942	2.12	3.47	3.63	4.53	2.90	7.48	1.41	4.32	5.24	5.12	1.95	2.35	44.52
1943	3.39	5.06	5.78	3.41	1.65	3.16	3.74	5.56	1.65	1.04	2.17	1.03	40.64
1944	6.30	4.95	.72	1.61	2.70	4.52	4.50	1.17	9.04	1.06	.63	6.23	43.53
1945	2.26	4.61	3.51	4.73	4.58	2.46	4.34	5.49	6.69	4.30	3.94	2.40	49.91

STOCKBRIDGE, MASS. (Stockbridge Water Company) (a)
Lat. 42°13'45", Long. 73°20'10". Elevation, 875 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	2.78	6.51	1.80	1.99	5.10	4.08	6.26	1.59	5.61	3.55	3.64	7.81	50.72
1921	1.94	3.80	2.79	1.87	2.29	5.57	4.18	1.48	3.01	4.84	4.09	3.06	38.72
1922	2.30	6.04	1.48	1.41	2.03	5.67	2.19	5.01	6.67	4.22	5.06	2.11	44.19
1923	2.40	1.53	1.44	3.77	1.30	1.76	2.80	3.35	4.40	5.06	4.13	3.67	35.66
1924	5.69	4.34	3.13	3.43	1.75	1.43	6.09	3.28	2.14	3.89	3.84	6.34	47.84
1925	.10	3.08	1.91	2.38	3.49	5.05	3.69	4.02	5.59	4.90	2.13	2.79	39.13

STOCKBRIDGE, MASS. (Stockbridge Water Company) (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	3.88	4.61	1.43	2.01	4.36	2.66	3.06	2.40	4.19	3.32	5.19	2.70	39.81
1927	5.72	5.03	2.25	3.20	5.37	2.34	1.75	5.73	5.32	5.09	6.31	2.29	46.40
1928	6.54	11.00	4.66	2.28	2.27	1.39	3.84	2.90	7.52	6.94	8.59	2.05	59.97
1929	1.94	2.06	1.05	3.69	2.86	3.28	6.50	2.93	2.19	.91	1.47	2.84	31.74
1930	3.02	2.78	3.17	2.40	2.35	2.67	2.69	3.66	5.67	2.51	3.81	2.46	37.39
1931	2.26	4.43	2.63	2.64	2.21	3.10	2.64	6.60	4.43	6.15	3.11	2.58	41.79
1932	2.71	2.17	4.07	5.04	2.42	4.59	3.03	2.20	2.98	5.12	8.22	2.33	44.88
1933	4.57	6.14	1.46	1.94	3.55	4.89	5.10	3.89	2.33	3.53	9.34	10.86	57.60
1934	2.65	2.71	3.79	2.52	3.99	2.06	3.11	5.01	6.91	3.50	3.67	10.03	49.95
1935	3.26	5.00	2.80	*5.19	1.85	1.61	3.96	3.35	5.76	5.09	1.30	4.16	*43.35
1936	1.86	4.58	1.45	3.91	1.52	7.54	4.24	4.02	2.49	2.93	4.22	3.55	42.30
1937	2.67	2.20	3.22	5.76	2.32	3.80	3.75	4.74	6.29	2.53	6.77	5.06	49.11
1938	5.14	3.51	2.58	2.43	1.85	.96	2.38	3.20	5.59	11.77	2.69	11.34	53.44
1939	1.77	1.87	3.78	2.70	3.75	4.42	6.76	1.13	2.96	2.75	4.52	4.92	41.13
1940	5.45	1.56	3.18	1.93	4.88	4.55	4.62	6.01	4.22	3.07	3.99	3.67	47.13
1941	.99	5.28	2.56	1.78	1.28	2.30	.72	1.61	2.35	4.26	5.73	3.48	32.34
1942	3.98	1.96	3.54	3.02	1.38	5.19	1.84	3.74	3.73	6.47	2.36	6.23	43.44
1943	4.99	6.89	3.44	4.33	1.60	2.60	3.49	6.24	3.81	4.51	1.77	1.76	45.45
1944	4.55	7.12	.52	1.94	1.55	2.80	4.48	1.23	6.78	7.19	1.62	4.90	44.47
1945	2.42	3.66	2.87	3.50	2.48	3.07	5.72	4.78	4.79	8.58	5.66	2.35	49.88

STOCKBRIDGE, MASS. (N. H. Bangs) (b)
Lat. 42°17', Long. 73°19'. Elevation, 850 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	2.18	1.83	3.41	1.73	3.81	4.10	2.59	2.70	2.06	-
1931	1.86	3.23	1.84	2.49	1.51	2.59	2.20	5.37	4.96	4.95	3.32	2.08	36.42
1932	2.81	1.76	5.98	4.24	2.06	3.59	2.98	2.15	2.29	4.16	7.19	3.16	40.37
1933	3.08	6.14	1.47	1.99	3.19	4.85	4.56	*5.89	*2.33	*3.53	*9.34	9.96	*54.35
1934	2.64	1.97	3.26	3.69	2.99	2.55	3.63	3.96	6.92	3.59	3.77	9.63	48.60
1935	2.35	4.86	2.55	5.19	2.37	2.22	2.13	2.78	4.52	3.34	1.25	3.35	36.91
1936	1.72	5.12	1.16	4.40	2.46	6.44	4.23	3.79	2.52	2.45	6.00	2.89	43.18
1937	4.06	2.25	4.42	5.20	2.02	3.65	2.95	4.81	5.13	4.34	9.23	5.06	54.20
1938	5.58	3.15	2.56	4.75	2.17	2.10	2.74	3.06	6.80	8.50	4.02	11.81	57.26
1939	1.84	3.43	3.17	1.96	3.03	3.36	6.01	1.07	3.65	2.81	4.11	4.30	38.74
1940	4.70	1.21	2.53	1.64	2.51	5.15	4.82	6.11	4.47	2.99	3.59	4.41	44.13
1941	1.32	5.21	2.53	1.83	1.95	1.49	.82	1.91	3.30	4.48	2.82	2.96	30.62
1942	3.64	2.15	3.66	3.13	1.36	5.30	1.70	4.16	4.14	7.00	3.08	5.51	44.83
1943	3.23	6.04	5.01	2.46	1.50	3.53	3.43	5.58	2.96	6.50	2.38	1.90	44.52
1944	3.89	5.32	1.75	1.56	2.26	4.12	3.37	1.05	5.45	5.68	2.47	5.22	41.14
1945	2.34	4.74	2.07	3.83	2.97	2.66	5.74	6.54	6.28	11.73	3.99	3.95	56.84

STONEHAM, MASS. (Spot Pond) (b) (c)
Lat. 42°27'20", Long. 71°05'30". Elevation, 160 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1899	-	-	-	4.10	5.27	7.17	1.40	1.03	2.90	2.67	3.22	4.81	-
1900	2.76	2.49	1.42	4.95	7.44	4.81	1.96	4.98	2.26	1.87	2.18	3.58	40.70
1901	3.50	4.59	2.29	1.73	.82	6.83	8.36	7.19	1.86	4.69	3.64	3.67	49.17
1902	2.54	2.78	7.96	2.22	7.56	4.90	4.70	1.15	2.33	2.76	3.60	3.44	46.14
1903	4.72	1.33	5.86	3.78	4.58	6.38	4.67	.33	9.16	3.32	3.44	1.44	49.01
1904	3.84	1.40	3.18	5.74	3.08	2.99	9.42	3.96	3.56	1.51	3.47	5.38	47.55
1905	1.89	1.75	2.34	5.61	1.94	3.28	2.54	1.39	5.71	1.01	3.66	7.61	38.73
1906	1.41	2.63	3.96	2.63	2.37	6.46	1.97	5.28	4.61	3.69	2.36	2.26	39.63
1907	2.65	3.04	4.54	2.90	2.19	2.43	3.31	3.06	3.71	1.91	1.33	8.88	39.95
1908	2.98	6.76	3.88	5.48	4.27	3.26	2.41	3.81	.76	3.40	3.97	.82	39.62
1909	3.66	1.04	2.65	4.04	5.31	3.80	4.23	1.96	4.27	2.27	3.53	5.12	41.88
1910	1.28	4.31	3.95	4.80	4.84	1.02	2.66	1.32	4.59	1.47	1.19	2.38	33.83
1911	1.13	3.71	2.28	2.78	3.18	3.47	2.45	1.01	3.69	6.30	4.52	3.34	37.86
1912	2.93	4.02	3.72	3.13	2.50	4.98	3.71	5.10	.35	5.27	2.13	2.58	40.42
1913	1.69	2.94	4.69	3.49	2.59	4.80	4.31	3.83	1.55	3.88	3.39	2.96	40.32
1914	6.86	2.45	3.10	3.36	3.77	4.64	6.52	2.64	2.28	2.93	5.21	.24	41.93
1915	1.52	2.68	5.37	6.42	3.49	.04	5.35	1.54	5.24	6.48	6.29	.84	45.24
1916	3.08	2.46	5.30	1.55	5.71	4.41	5.26	3.92	5.59	3.28	2.32	1.80	44.68
1917	1.38	1.84	3.19	3.41	2.56	4.56	3.22	4.72	4.16	1.22	6.33	1.79	38.38
1918	5.95	1.10	2.80	3.56	3.51	2.46	4.31	1.37	2.87	3.63	2.16	9.42	42.96
1919	1.13	2.05	4.07	3.58	3.41	4.44	2.98	5.26	1.48	4.27	5.44	5.41	43.32
1920	2.60	6.09	1.65	3.18	7.70	4.16	5.74	4.98	7.15	1.88	1.37	3.50	50.00
1921	1.12	5.53	4.70	2.47	3.96	2.87	5.36	2.11	4.14	9.07	1.27	2.70	45.30
1922	2.15	6.86	2.72	1.65	3.32	5.47	1.61	5.44	11.33	3.69	3.97	3.24	51.45
1923	2.81	1.22	4.21	6.43	2.71	3.83	5.31	1.17	2.33	2.53	2.82	.66	38.03
1924	3.64	3.61	5.43	3.98	2.36	2.47	4.55	3.52	2.61	1.99	6.71	9.87	50.39
1925	.06	2.36	1.72	5.12	2.26	6.62	2.94	2.54	4.44	4.03	1.09	2.67	35.85
1926	4.56	3.84	6.26	3.07	6.74	3.36	2.32	3.27	1.68	3.95	3.61	1.41	44.07
1927	4.36	4.38	4.11	3.44	4.40	1.51	1.62	2.82	2.07	4.51	6.61	2.21	42.24
1928	4.58	4.50	5.39	2.54	3.59	2.21	5.86	4.02	6.65	5.10	4.17	4.75	53.36
1929	3.81	2.28	3.15	3.98	4.71	3.23	8.52	3.34	1.93	1.41	4.45	1.46	42.27
1930	2.53	3.24	4.20	2.98	2.67	3.71	2.07	3.35	2.37	5.33	3.07	.45	35.97

PRECIPITATION RECORDS

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STONEHAM, MASS. (Spot Pond) (b) (c) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	5.08	4.66	2.85	4.06	3.84	5.40	2.67	3.89	3.67	2.10	4.49	1.31	49.22
1932	2.43	1.17	3.63	4.82	2.82	5.72	1.76	1.38	3.06	2.63	6.03	6.47	41.92
1933	7.88	5.72	2.05	2.46	4.69	7.42	7.93	2.10	1.08	2.13	3.16	9.62	56.25
1934	3.29	1.02	4.15	3.82	5.53	5.98	3.09	2.74	4.48	1.22	2.07	7.75	45.14
1935	3.27	2.60	2.87	8.26	4.19	2.03	6.04	1.60	5.68	1.81	1.64	4.32	44.53
1936	.56	5.17	1.14	8.21	4.29	7.42	3.42	1.84	2.65	1.46	6.07	5.24	47.47
1937	2.02	1.43	9.35	4.87	1.65	3.65	4.71	3.12	5.33	1.42	5.78	3.98	47.22
1938	4.77	6.10	5.68	4.80	2.86	2.76	3.25	4.34	5.96	10.44	2.22	7.30	80.42
1939	2.67	3.29	3.22	2.90	4.03	5.73	4.93	2.11	2.86	.35	2.34	1.87	36.50
1940	4.96	1.13	3.40	2.55	5.59	4.06	5.19	3.89	2.45	4.02	1.23	3.46	41.95
1941	1.00	6.79	2.67	4.30	1.83	2.90	1.63	2.62	2.48	2.62	3.04	.50	32.38
1942	1.66	2.76	4.00	4.44	3.72	7.64	2.20	2.45	3.99	3.21	2.74	2.22	41.23
1943	3.30	4.89	5.31	4.08	1.42	4.52	3.48	5.35	1.99	4.54	1.90	1.59	42.37
1944	5.91	4.02	1.19	3.05	2.60	4.70	4.22	.72	5.25	1.85	2.74	6.61	42.86
1945	2.86	7.52	3.97	5.51	4.96	2.41	3.45	5.07	5.62	3.41	3.81	1.31	49.90

STOW, MASS. (Jonathan Newell, A.M.)
Elevation, 250 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1795	-	-	-	3.06	2.12	3.60	7.43	4.71	3.06	5.79	4.83	4.92	-
1796	4.34	1.74	2.76	3.11	2.26	2.41	1.04	5.93	1.48	5.26	2.10	5.58	38.01
1797	1.67	1.03	2.60	1.07	3.80	4.56	4.46	3.33	1.90	1.70	3.95	1.65	31.97
1798	5.97	3.10	1.84	2.06	2.00	3.76	2.52	3.90	3.74	2.53	1.26	2.71	35.43
1799	7.30	2.37	2.31	1.90	2.16	4.33	3.10	3.60	8.16	2.70	1.27	2.80	42.02
1800	1.85	2.56	2.83	.86	3.10	2.20	5.16	3.96	2.04	2.71	4.51	4.70	36.48
1801	5.05	2.88	3.69	3.95	2.49	8.27	2.50	4.32	2.59	4.05	2.53	1.11	43.44
1802	.81	3.32	2.81	2.70	.96	5.41	.74	6.27	2.62	5.06	7.72	4.15	40.69
1803	3.58	1.02	3.70	2.89	5.20	2.67	2.06	2.16	.86	6.09	1.76	1.25	35.25
1804	3.82	2.14	4.30	3.34	3.72	2.58	6.24	2.30	3.84	2.58	1.99	2.22	39.57
1805	6.17	3.11	3.46	-	-	-	-	-	-	-	-	-	-

STURBRIDGE, MASS. (Fiskdale)
Elevation, 600 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1888	-	-	-	2.61	3.08	5.96	2.11	4.29	2.97	2.54	4.47	6.61	-
1889	4.84	3.62	6.19	3.53	1.98	1.85	2.45	2.31	3.02	8.72	2.96	2.49	44.18
1890	5.40	4.88	2.63	2.17	3.75	5.22	2.14	5.64	2.23	3.14	5.71	4.85	47.76
1891	7.40	.90	2.40	6.31	3.41	2.66	2.14	2.23	3.07	4.20	4.47	2.63	42.22
1892	3.66	2.87	4.62	4.71	1.07	1.90	.39	5.57	2.86	5.97	5.79	1.56	40.77
1893	1.03	5.00	4.71	2.21	4.60	2.78	2.47	5.52	2.76	1.44	3.85	1.88	34.22
1894	4.94	2.02	3.95	1.56	1.69	1.30	2.63	3.75	.53	1.65	1.92	2.47	28.83
1895	2.63	3.08	1.92	2.69	.76	2.17	3.96	1.70	4.03	5.15	4.80	2.70	35.99
1896	7.21	4.74	4.01	1.00	6.32	3.57	.87	2.08	2.06	2.76	2.01	7.26	43.69
1897	3.39	2.34	1.23	2.34	2.05	2.25	2.86	3.75	3.67	9.41	3.08	1.36	37.75
1898	.64	6.71	4.78	3.49	3.80	3.35	2.89	2.98	2.70	6.97	7.26	3.42	49.01
1899	6.32	5.44	2.99	2.37	3.71	5.21	2.02	1.34	4.17	-	1.97	3.81	-
1900	2.31	1.30	-	-	7.75	6.31	-	4.61	4.22	-	-	2.43	-
1901	4.13	-	-	-	-	-	-	-	-	-	-	-	-

SWAMPSCOTT, MASS. (b)
Lat. 42°27'50", Long. 70°54'20". Elevation, 20 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1930	-	-	-	3.02	2.63	3.49	1.73	3.12	2.94	7.91	3.30	0.45	-
1931	4.56	4.96	3.55	3.83	3.95	5.39	3.11	4.79	10.81	2.24	4.90	2.11	54.24
1932	2.68	1.24	3.31	5.96	2.17	5.39	1.74	1.40	2.47	3.22	4.22	4.92	38.72
1933	7.43	4.78	1.89	2.71	4.50	6.44	8.24	2.92	1.34	2.38	3.45	9.36	55.44
1934	3.89	1.06	3.41	3.26	3.41	2.96	4.47	2.00	4.07	1.19	2.22	5.74	37.68
1935	3.41	2.34	2.69	7.32	2.60	1.59	5.82	1.74	5.84	1.06	1.42	2.83	38.68
1936	.37	4.57	1.22	7.40	3.60	6.16	3.56	1.76	2.44	1.64	5.46	4.00	42.18
1937	2.62	1.33	7.64	4.23	1.14	3.23	4.88	2.44	2.96	.75	5.02	3.52	39.74
1938	3.50	3.70	4.89	4.62	2.66	2.59	2.66	4.66	5.40	10.73	2.30	6.04	54.27
1939	2.04	3.25	2.60	2.22	3.89	5.13	4.34	2.06	2.76	.65	2.12	1.86	32.96
1940	3.88	.99	2.56	1.89	5.63	4.13	5.00	3.62	2.97	3.41	.93	3.10	38.11
1941	.91	5.87	2.63	3.91	1.34	2.64	2.00	2.49	2.64	3.35	1.74	1.90	31.42
1942	2.00	2.35	3.07	3.29	4.34	6.72	1.61	1.70	1.84	3.51	2.65	2.07	35.15
1943	2.29	4.70	4.09	3.60	1.18	4.54	2.72	5.34	2.07	2.69	1.93	1.25	36.60
1944	5.15	2.42	1.08	2.32	2.36	3.64	3.58	.46	3.74	1.95	2.49	5.19	34.60
1945	2.31	4.99	2.61	3.65	4.18	1.78	2.65	4.61	6.37	2.66	3.12	1.68	40.63

TAUNTON, MASS. (b)
Lat. 41°54'10", Long. 71°03'50". Elevation, 50 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1874	-	-	-	-	-	-	-	-	2.08	2.85	9.07	1.84	-
1875	1.54	1.95	2.31	7.64	4.21	3.75	5.40	2.90	2.48	3.37	4.63	1.63	41.87
1876	2.62	2.96	1.67	5.06	4.68	3.39	3.88	1.91	1.82	5.57	2.44	4.59	40.59
1877	4.44	7.00	2.87	4.86	2.68	3.06	1.56	2.50	2.61	2.80	5.79	.82	36.99
1878	8.38	6.88	3.84	5.16	4.04	3.28	5.32	1.63	2.54	2.07	1.38	1.05	45.57
1879	4.42	7.91	5.69	4.07	2.37	4.29	6.16	2.70	.44	5.71	4.68	5.21	51.65
1880	.80	2.92	3.63	2.37	3.33	4.44	3.89	1.19	1.77	7.33	11.74	2.16	45.57
1881	4.17	3.19	3.91	6.81	5.64	5.57	1.80	3.49	8.75	2.20	.91	2.58	48.02
1882	3.30	6.11	3.30	4.85	5.84	3.55	3.90	4.72	2.27	1.74	.43	8.02	48.03
1883	3.70	1.84	3.06	4.67	4.42	2.24	2.50	3.43	1.94	3.29	.88	2.05	34.02
1884	5.27	2.91	3.00	6.18	5.45	5.35	4.36	3.08	4.34	4.28	5.40	.62	50.20
1885	3.30	3.89	6.01	5.96	2.71	1.34	2.95	3.84	3.19	2.34	3.58	1.11	40.22
1886	3.89	3.52	2.29	7.79	9.66	4.25	2.36	4.27	1.22	3.23	4.12	3.29	49.89
1887	3.74	5.15	6.27	7.43	4.52	5.17	5.32	2.70	4.08	6.20	5.17	1.84	57.59
1888	3.08	2.37	4.05	3.82	3.79	6.37	2.24	4.72	1.61	3.55	5.03	9.14	49.77
1889	4.79	8.88	3.86	6.43	2.21	2.08	4.34	5.67	2.02	7.92	7.34	3.32	58.86
1890	4.34	6.59	2.68	2.89	3.70	8.40	3.81	5.60	3.60	1.44	3.86	5.41	52.32
1891	10.44	.99	4.28	8.51	5.82	5.95	4.05	2.66	2.13	2.85	3.89	2.51	53.98
1892	5.13	3.29	4.27	4.93	2.41	6.66	1.46	5.93	3.61	1.72	2.98	2.76	45.45
1893	1.56	6.55	1.71	4.10	9.86	7.38	3.85	5.53	2.17	2.22	6.23	2.37	53.51
1894	2.90	2.97	6.72	4.31	7.18	1.42	4.20	4.52	.77	2.41	1.55	3.98	42.73
1895	8.93	6.21	5.62	4.24	1.21	3.74	5.55	3.95	2.17	3.56	3.77	2.13	51.08
1896	6.61	5.73	3.17	3.08	5.67	5.79	1.30	3.22	4.21	1.53	3.37	9.21	52.89
1897	3.36	3.87	3.30	4.23	3.00	2.94	4.28	4.97	3.25	5.69	4.15	2.90	45.94
1898	1.13	8.16	4.58	6.14	6.07	3.06	7.00	4.79	1.55	9.89	5.07	3.04	60.48
1899	10.48	7.51	2.63	5.44	6.09	7.10	2.06	2.17	4.07	4.44	1.79	9.05	62.83
1900	3.50	1.66	1.47	5.21	7.56	5.42	2.16	6.87	2.67	3.06	2.43	5.08	47.09
1901	2.97	4.91	2.91	2.84	1.16	8.92	8.05	7.70	2.27	3.94	3.40	3.43	53.50
1902	2.64	2.51	3.75	2.10	6.77	5.72	3.52	1.41	4.87	2.10	2.85	3.17	47.42
1903	3.88	1.76	5.56	4.22	6.69	6.79	4.65	.35	4.49	3.89	4.05	.72	46.85
1904	3.97	1.68	3.70	4.49	2.65	2.47	8.54	2.50	3.37	2.45	4.95	3.45	44.22
1905	1.72	2.05	3.25	4.05	1.84	2.53	2.98	1.22	7.82	2.65	2.90	4.79	37.80
1906	1.83	2.26	4.02	2.81	4.16	6.85	2.33	4.34	3.58	4.61	1.60	2.79	41.18
1907	4.30	2.38	4.32	3.37	3.12	2.06	3.73	4.15	2.40	1.48	1.17	9.37	41.35
1908	3.51	6.87	6.01	3.69	4.33	4.12	2.78	3.45	2.52	4.05	4.67	1.17	46.97
1909	5.62	1.32	4.50	4.91	6.35	4.67	6.89	2.68	2.03	2.18	3.43	4.90	49.47
1910	1.73	4.12	3.89	7.08	4.53	1.74	1.69	3.00	4.08	2.17	2.30	2.04	38.38
1911	1.76	4.78	2.45	3.39	2.84	3.73	4.00	1.11	1.62	5.22	4.73	2.81	38.24
1912	2.63	7.85	4.10	4.36	3.77	7.55	4.67	4.64	.55	1.28	3.67	1.40	46.53
1913	1.14	4.21	7.75	4.43	3.75	4.90	5.93	1.74	1.56	2.67	3.65	3.12	44.85
1914	9.99	2.96	4.35	4.70	3.51	4.92	5.22	2.55	1.17	3.52	2.74	2.24	47.97
1915	2.51	3.57	5.45	9.93	4.24	.05	1.86	2.74	1.55	4.26	5.47	1.79	43.22
1916	3.01	3.32	6.69	2.11	4.94	3.82	5.12	4.13	4.60	9.41	1.60	2.36	51.11
1917	3.27	2.87	4.27	3.62	2.38	4.79	3.69	5.56	5.20	.84	5.85	3.07	45.41
1918	6.87	.41	2.85	5.91	3.49	2.42	4.86	1.85	2.99	6.83	2.89	8.89	50.04
1919	.89	2.52	4.14	5.02	4.03	5.05	4.41	5.63	1.86	4.84	7.55	7.73	53.77
1920	2.13	4.91	3.08	3.84	6.83	4.87	5.54	5.21	6.48	2.90	3.39	3.43	52.61
1921	1.67	4.03	4.12	3.10	1.07	2.90	6.21	2.68	4.71	8.81	2.16	1.55	43.62
1922	.90	6.99	2.38	2.04	3.31	4.92	2.77	4.38	6.51	6.66	10.74	2.40	54.00
1923	3.82	1.32	3.55	6.40	1.57	4.20	5.90	1.11	3.73	4.25	2.78	2.29	40.72
1924	4.64	2.40	5.99	3.97	3.12	2.16	5.36	3.42	2.00	1.46	6.20	4.93	45.55
1925	.19	1.48	2.10	3.26	1.59	3.89	2.41	2.50	2.69	5.50	2.91	4.92	33.44
1926	4.66	4.16	3.87	2.89	3.89	2.97	2.15	3.17	2.83	6.26	2.33	1.70	40.88
1927	6.32	5.93	2.79	2.44	2.68	1.43	2.03	3.01	2.94	4.45	10.07	3.29	47.40
1928	4.33	4.81	3.38	3.25	3.28	2.37	5.36	2.29	5.16	4.69	1.58	5.37	46.85
1929	5.05	2.37	2.62	3.58	3.53	4.24	7.60	3.89	.92	2.51	3.12	3.82	42.05
1930	3.45	3.54	4.42	3.04	3.05	2.88	1.68	3.00	1.80	2.33	3.64	.37	33.20
1931	5.62	3.58	2.86	3.13	1.77	5.16	2.84	5.78	7.15	4.73	5.51	1.75	49.88
1932	3.81	1.01	3.96	6.12	1.81	5.62	1.54	2.69	2.10	3.16	6.23	6.80	44.85
1933	7.63	6.58	1.66	2.09	3.02	5.07	7.61	3.19	1.65	3.18	3.26	11.63	56.57
1934	3.27	1.64	3.24	4.06	3.18	3.88	5.03	3.05	4.48	1.76	2.29	3.83	39.71
1935	3.96	4.66	3.29	5.25	2.54	1.85	5.45	1.84	6.97	3.86	2.30	3.34	45.11
1936	1.07	5.42	1.25	6.07	2.32	6.60	4.44	1.10	2.18	1.62	4.25	7.42	43.74
1937	2.21	1.17	8.93	3.98	1.14	4.02	5.68	2.30	3.91	.96	7.34	3.30	44.97
1938	4.04	5.60	4.74	3.59	2.22	2.34	2.78	4.51	8.89	5.88	1.89	6.74	52.22
1939	3.91	3.25	3.52	2.69	4.06	5.47	4.85	1.06	3.95	2.11	5.73	3.02	43.63
1940	5.90	1.60	2.47	2.40	4.79	3.92	7.12	4.71	2.00	4.37	.97	4.17	44.42
1941	2.23	8.11	2.72	3.68	2.32	2.15	2.45	2.01	5.40	5.12	3.67	.02	39.88
1942	2.26	2.96	2.92	2.97	3.96	7.18	.85	1.77	2.41	5.20	4.04	2.04	38.57
1943	4.74	5.65	3.96	3.30	1.82	3.02	2.99	4.90	2.03	4.33	2.95	1.02	40.71
1944	3.38	3.21	1.07	1.91	1.89	3.97	3.90	.42	2.94	1.84	1.14	9.29	54.76
1945	2.90	7.13	2.72	3.55	4.09	1.92	1.89	3.88	3.51	2.29	2.74	1.61	38.03

TEMPLETON, MASS. (Baldwinsville) (a)
Lat. 42°36'15", Long. 72°04'30". Elevation, 930 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1907	-	-	-	2.10	2.10	2.20	2.80	4.10	2.80	6.10	1.50	9.20	-
1908	5.00	4.80	3.40	2.30	3.30	2.10	2.00	3.90	1.80	2.60	7.90	1.20	40.30
1909	1.30	.90	2.30	3.90	4.80	2.80	4.60	1.70	1.10	1.60	2.50	3.60	31.10
1910	.70	1.70	3.30	5.20	3.70	.80	3.00	1.80	2.10	1.20	3.30	2.20	30.00

PRECIPITATION RECORDS

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TEMPLETON, MASS. (Baldwinsville) (a) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1911	1.10	3.50	1.90	2.40	1.90	4.30	2.00	1.40	1.20	3.20	5.80	1.70	30.40
1912	5.08	3.00	3.00	2.43	1.90	5.52	4.47	4.92	.99	2.80	2.31	2.96	38.88
1913	3.40	4.24	4.30	2.91	3.20	7.00	2.81	3.17	.50	1.69	3.12	3.15	39.49
1914	4.43	3.75	3.80	1.70	2.70	6.32	4.60	2.45	1.82	2.10	4.17	.25	38.09
1915	1.80	3.38	3.10	4.85	3.80	.08	3.10	1.07	1.42	8.12	4.56	1.00	36.26
1916	2.70	2.02	5.55	1.37	5.74	3.27	3.35	4.40	5.80	4.65	-	-	-
1919	-	-	-	2.75	2.30	6.25	2.93	6.55	1.25	6.80	4.10	6.80	-
1920	3.40	7.50	1.60	2.80	5.28	4.70	7.35	3.65	5.55	3.00	5.23	7.30	57.36
1921	1.20	5.62	8.32	2.87	3.70	4.10	6.77	3.40	3.37	7.20	3.05	2.35	51.75
1922	1.90	7.82	3.20	2.24	3.89	7.30	2.64	5.40	13.44	5.88	3.95	3.50	60.76
1923	3.30	1.55	4.88	7.21	2.60	3.26	5.56	1.69	1.76	2.60	2.00	1.57	37.98
1924	4.82	6.39	4.13	5.95	2.71	1.71	5.52	3.71	2.50	3.13	2.98	4.87	46.22
1925	.02	3.84	1.83	2.96	3.07	5.01	3.39	2.56	5.79	5.71	2.73	2.98	39.89
1926	4.26	4.47	3.30	2.30	3.36	3.07	2.35	1.43	3.04	3.11	2.61	1.41	54.76
1927	5.49	5.45	5.89	2.14	2.92	1.55	1.64	3.83	3.17	4.34	7.96	2.54	44.42
1928	4.28	7.53	5.62	2.53	2.70	1.55	4.21	2.20	3.60	8.43	8.38	3.43	57.36
1929	1.98	2.45	1.35	4.04	2.91	3.05	5.16	4.04	4.34	.66	1.52	2.05	33.53
1930	2.18	2.09	2.77	2.09	1.87	3.82	1.40	2.40	3.68	3.43	1.33	1.84	28.90
1931	2.56	3.04	1.29	2.40	1.80	3.16	3.85	4.15	4.29	2.07	5.85	2.43	36.89
1932	3.35	2.78	4.00	4.59	2.30	4.71	1.62	2.19	1.69	5.17	3.58	5.57	41.53
1933	4.85	3.77	1.94	2.70	3.64	5.18	6.47	2.42	2.57	2.07	5.95	8.12	49.88
1934	3.94	1.60	3.34	3.29	2.66	3.23	3.52	3.35	5.17	3.17	2.41	7.29	42.97
1935	2.77	3.83	3.15	4.31	2.41	1.61	2.89	2.57	5.47	2.49	1.80	4.61	37.91
1936	1.06	4.34	.77	6.06	2.44	8.34	3.85	1.81	2.93	2.74	6.18	3.60	44.22
1937	2.70	2.13	6.58	4.44	1.87	2.97	3.79	4.38	5.68	4.09	3.05	4.57	46.78
1938	3.83	5.73	2.15	3.63	1.73	2.03	2.63	3.08	7.64	8.45	4.05	17.97	62.92
1939	2.16	3.46	3.25	2.18	3.55	3.12	3.86	1.91	2.85	1.24	4.56	2.11	34.05
1940	3.67	.78	3.13	1.76	2.47	4.04	4.87	5.27	2.77	4.01	1.47	2.52	36.76
1941	1.28	5.62	2.52	1.45	1.43	.99	.61	2.77	3.19	2.92	3.03	.92	26.73
1942	3.09	2.19	2.89	5.52	1.17	6.02	.87	3.58	5.82	4.91	1.68	3.00	38.94
1943	2.66	5.32	4.16	2.86	1.19	2.61	3.16	5.73	2.21	5.80	3.18	1.31	39.99
1944	4.73	5.62	.58	1.04	1.93	4.05	3.31	1.13	8.71	3.88	.80	6.84	42.42
1945	1.95	3.34	2.72	3.17	3.53	1.42	4.84	5.36	6.30	5.99	3.10	2.99	44.51

TEMPLETON, MASS. (East Templeton)

Elevation, 1,000 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1893	-	-	-	-	-	-	-	-	-	-	3.76	1.28	-
1894	5.01	0.84	4.48	4.72	3.60	0.63	2.83	1.37	0.32	1.88	.54	3.88	29.90
1895	1.57	3.43	3.74	3.77	1.76	3.39	3.76	.96	1.72	2.02	1.97	2.25	30.34
1896	4.08	4.17	2.97	1.62	4.35	6.15	.25	1.68	1.01	2.99	2.35	4.83	36.46
1897	2.75	2.26	1.01	2.09	1.51	1.58	.76	3.96	4.16	11.03	3.60	1.71	36.42
1898	.53	5.54	4.09	4.31	1.96	1.04	3.10	2.77	3.74	2.18	97.92	93.60	40.78
1899	5.99	6.43	2.16	2.23	4.10	4.08	1.09	1.38	4.81	4.54	1.15	3.89	41.95
1900	1.13	1.32	1.70	4.11	6.90	4.23	2.57	2.15	2.83	2.42	3.61	4.56	37.50
1901	3.43	5.52	1.54	1.29	.74	3.47	2.77	3.98	1.05	3.08	5.13	1.90	33.85
1902	2.21	2.37	8.11	1.48	2.31	3.81	3.43	1.96	3.57	4.28	3.06	3.11	40.68
1903	4.65	.32	6.01	2.75	3.96	5.44	2.39	1.36	5.51	3.68	3.37	2.99	42.43
1904	3.02	1.67	3.72	2.91	2.12	3.29	4.15	3.02	3.60	1.78	3.71	4.16	37.15
1905	1.00	.83	2.10	3.87	1.48	2.66	1.28	.61	3.82	3.52	8.45	5.87	33.27
1906	1.26	1.95	3.15	2.01	2.74	94.48	1.00	6.56	3.62	4.90	3.44	92.17	37.28
1907	92.69	92.10	93.84	-	-	-	-	-	-	-	-	-	-

THATCHER'S ISLAND, MASS. (Gloucester)

Lat. 42°38', Long. 70°35'. Elevation, 25 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1878	-	-	-	1.93	5.27	6.91	4.71	2.47	1.61	6.60	0.37	4.12	-
1877	1.75	9.46	2.32	2.26	.95	8.61	4.42	1.73	2.45	3.65	1.86	.51	39.97
1876	7.15	7.57	1.37	6.21	4.99	5.12	5.29	.93	1.52	4.28	8.62	1.02	52.07
1879	7.57	9.30	5.53	5.88	2.42	5.80	6.12	1.08	4.25	2.17	7.56	.99	56.47
1880	.90	6.91	4.05	2.31	2.37	4.07	8.53	2.37	2.14	6.51	4.15	3.72	48.03
1881	2.81	4.32	2.81	4.56	4.73	9.96	1.56	7.22	7.51	2.89	.85	3.76	52.98
1882	3.19	11.18	6.80	5.00	4.69	3.60	2.73	8.72	1.33	2.90	1.12	7.40	58.66
1883	2.40	2.48	3.34	5.12	3.41	2.00	1.87	2.62	2.02	5.46	2.67	.78	34.15
1884	5.47	3.40	5.29	7.66	7.54	4.70	3.21	4.39	2.79	2.93	5.30	.77	53.45
1885	2.66	2.67	5.82	-	-	-	-	-	-	-	-	-	-

TISBURY, MASS. (Vineyard Haven)

Elevation, 40 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1894	-	-	-	5.51	4.08	2.26	4.70	4.78	1.47	1.47	1.74	3.00	-
1895	10.88	5.73	6.87	4.19	.95	4.58	3.14	4.23	2.51	6.37	3.47	1.15	54.07
1896	2.45	5.77	4.71	2.04	5.01	5.70	1.37	4.13	3.59	3.59	2.81	6.63	47.80
1897	5.82	2.93	3.08	3.89	2.68	3.61	5.95	3.28	2.85	5.28	5.04	.80	45.19
1898	2.44	6.42	4.52	4.83	4.51	4.27	6.69	6.19	.81	4.74	4.77	1.02	51.21
1899	7.24	11.01	2.96	3.72	6.38	8.87	3.05	1.73	4.51	3.66	2.76	3.15	59.25
1900	3.11	1.97	1.57	5.77	6.37	4.05	3.17	-	-	-	-	-	-

HYDROLOGY OF MASSACHUSETTS

TISBURY, MASS. (a)
Lat. 41°26'50", Long. 70°37'20".

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1929	-	-	-	2.51	4.14	2.64	5.52	6.61	0.54	0.97	2.28	7.10	-
1930	1.92	2.05	3.70	4.16	2.67	1.62	.15	1.68	-	-	-	-	-
1932	-	-	4.75	5.22	1.79	6.38	1.77	2.55	6.88	3.94	3.08	5.72	-
1933	5.98	5.26	4.37	7.27	2.71	5.37	3.25	1.87	4.03	1.26	6.73	15.72	61.84
1934	5.29	2.29	3.41	2.04	2.90	1.74	3.41	1.24	3.48	1.43	1.34	4.79	33.56
1935	3.11	1.86	1.64	3.52	1.24	1.64	2.73	1.59	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	6.89	-
1937	4.05	2.50	8.48	4.47	2.04	4.01	6.82	3.18	3.70	1.11	5.73	8.21	54.30
1938	5.07	5.01	4.19	3.55	2.36	3.55	4.05	4.30	5.51	6.25	2.70	8.86	55.38
1939	4.35	4.59	4.58	5.00	4.94	10.01	4.99	1.70	4.92	2.00	5.40	2.08	54.34
1940	*4.41	2.22	2.69	2.29	4.87	6.70	6.57	3.06	1.85	5.53	.81	4.38	*45.57
1941	2.24	5.15	4.12	4.45	2.02	2.57	2.63	.90	6.28	4.43	4.88	.07	39.74
1942	2.52	2.22	3.00	3.69	3.45	7.90	.88	1.98	2.74	3.07	6.86	3.66	41.97
1943	4.20	4.79	4.27	4.39	2.63	3.83	3.66	3.31	.61	5.45	4.35	2.64	44.33
1944	3.27	3.14	1.81	3.26	1.98	6.08	5.72	1.75	1.60	.75	1.28	4.15	34.61
1945	2.57	9.33	3.30	3.79	3.95	2.31	1.94	4.11	4.03	1.81	2.01	1.20	40.35

TRURO (North), MASS. (b)
Lat. 42°03'1", Long. 70°04'1".

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	-	-	-	2.85	2.00	-	0.78	1.27	2.57	2.96	4.37	1.94	-
1943	3.20	4.04	2.77	1.63	-	-	-	-	-	3.36	2.09	2.66	-
1944	2.89	1.77	.93	1.14	1.28	3.03	-	.24	3.92	1.07	-	-	-
1945	2.11	7.60	2.77	3.73	4.08	2.54	1.18	3.77	4.61	1.25	3.46	.56	37.66

UNIVERSITY, MASS. (a)
Lat. 42°04'35", Long. 71°36'20".

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	-	-	-	3.35	2.72	5.66	2.70	3.47	7.91	2.37	5.85	1.25	-
1932	2.16	0.93	2.92	5.34	2.23	5.71	2.24	1.83	2.19	1.50	5.57	8.76	41.38
1933	6.29	5.59	1.95	2.14	4.22	6.70	6.02	2.25	2.02	1.93	2.93	8.27	50.31
1934	2.75	1.53	4.26	3.79	4.09	4.12	4.88	3.08	4.04	2.13	2.86	7.87	45.40
1935	3.22	2.89	3.20	5.86	3.31	1.62	5.04	2.31	6.56	3.35	.71	3.05	41.12
1936	.21	4.85	.84	7.45	3.21	10.11	2.86	1.75	2.21	2.72	8.53	5.16	49.90
1937	3.39	1.33	9.07	5.09	2.22	3.69	4.77	2.51	3.18	3.33	6.13	3.28	47.78
1938	3.71	7.82	3.13	4.78	2.50	2.56	2.24	4.21	8.15	12.16	4.02	8.27	63.55
1939	1.53	3.46	3.70	2.95	4.48	4.67	4.99	1.07	3.16	1.20	7.02	1.58	39.81
1940	4.72	1.18	2.90	2.55	5.52	3.79	5.75	4.89	3.20	2.98	1.41	2.62	41.51
1941	1.76	6.92	2.66	3.50	3.04	2.67	1.32	3.05	3.84	5.77	4.03	.39	38.97
1942	1.76	2.82	3.48	4.94	3.07	8.26	1.10	2.56	3.50	4.83	3.23	1.66	41.21
1943	3.35	6.81	8.08	3.77	1.80	4.70	4.22	4.75	3.16	7.24	.48	.99	48.15
1944	5.54	3.39	1.14	1.61	2.47	4.80	4.61	1.07	4.48	1.51	1.84	9.95	42.41
1945	2.60	6.08	3.95	3.35	5.04	2.50	3.24	5.16	7.53	4.35	3.65	1.69	49.14

WAKEFIELD, MASS.
Elevation, 100 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1890	-	-	-	2.50	3.61	7.49	2.33	6.51	3.13	1.80	4.21	4.06	-
1891	8.58	1.53	5.62	6.23	4.60	6.46	3.04	2.55	4.09	2.95	2.51	1.66	49.62
1892	4.66	2.52	3.55	3.82	3.26	4.82	.65	5.33	3.84	1.54	5.35	1.37	41.81
1893	2.28	5.51	1.31	2.48	8.39	2.41	3.42	2.77	1.82	1.67	5.94	3.79	43.79
1894	4.32	2.15	4.72	3.33	3.42	1.10	3.11	4.91	.22	2.73	1.07	2.40	33.48
1895	5.40	4.37	3.27	4.18	1.12	3.07	4.03	3.17	4.40	4.81	3.67	1.76	43.25
1896	7.00	9.71	2.37	2.80	5.25	5.42	1.69	2.54	2.18	2.83	2.38	8.20	52.35
1897	3.34	3.59	1.84	4.50	2.67	3.63	2.88	5.66	6.50	3.60	3.35	2.57	44.13
1898	.36	6.74	4.30	-	-	-	-	-	-	-	-	-	-

WAKEFIELD, MASS. (Crystal Lake, Water Works Pumping Station) (a)
Lat. 42°29'45", Long. 71°04'25". Elevation, 92 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1928	-	-	-	2.75	2.25	0.94	4.60	3.28	6.79	3.68	3.80	4.68	-
1929	3.41	1.96	2.39	*3.10	*3.50	2.62	7.80	2.36	2.08	1.41	4.43	1.76	*36.82
1930	2.67	2.98	2.77	1.75	1.17	3.60	1.79	3.21	2.38	7.06	2.19	.69	32.26
1931	5.31	3.88	1.99	2.94	4.00	4.97	2.81	3.42	7.60	2.82	4.84	1.53	46.11
1932	2.66	1.14	3.64	4.84	1.92	5.29	1.87	1.28	2.57	1.59	5.80	6.81	59.38
1933	8.25	4.34	2.03	*2.50	4.20	*7.40	7.29	5.00	1.23	1.82	2.75	10.60	*55.66
1934	3.57	.70	*3.05	*3.60	*4.95	5.37	6.20	4.23	1.58	1.93	6.46	*39.75	-
1935	2.99	1.55	2.76	6.00	2.92	1.73	4.07	*1.44	8.56	2.64	.79	3.47	*38.92
1936	.48	*4.59	1.05	6.79	3.30	*6.33	2.92	1.97	2.06	.94	3.66	5.37	*40.15
1937	1.84	1.22	6.32	4.44	1.12	2.55	4.23	2.96	3.94	.86	6.16	3.35	40.97
1938	4.23	4.08	4.87	*4.02	1.29	1.98	2.15	4.48	6.62	10.30	*2.35	7.90	*54.27
1939	2.44	.88	2.80	.97	3.38	4.40	4.19	2.14	2.38	.75	2.27	*2.45	*29.05
1940	5.04	.75	3.60	1.72	5.00	4.10	4.42	4.04	1.70	2.50	.60	4.55	38.02
1941	.87	5.33	2.59	*3.03	1.36	3.31	1.30	2.31	2.06	*3.66	3.17	.06	*29.02
1942	1.98	2.43	3.28	3.43	3.44	4.84	2.06	1.69	3.87	3.05	3.05	1.98	35.11
1943	2.83	3.70	4.58	3.52	1.24	3.20	2.59	4.53	1.54	3.59	1.48	1.42	34.22
1944	3.73	3.48	.96	2.50	1.80	3.46	3.76	.67	4.99	2.30	3.22	5.64	36.53
1945	2.53	5.76	2.63	2.44	3.74	1.81	2.80	3.97	6.45	2.43	3.38	1.13	39.07

PRECIPITATION RECORDS

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WALPOLE, MASS. (Multibestos Co. & Standard Woven Fabric Co.)^(a)
 Lat. 42°08'20", Long. 71°15'05". Elevation, 175 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	-	-	-	3.08	2.27	4.74	3.05	3.82	0.51	3.23	2.98	0.94	-
1913	2.11	2.84	3.47	1.31	1.99	4.16	4.87	2.53	1.54	3.07	2.88	3.15	35.72
1914	7.61	2.51	3.02	3.89	4.08	4.07	5.51	2.70	1.20	3.41	3.78	.43	42.01
1915	2.09	2.96	3.79	3.84	3.55	.02	2.34	1.62	1.20	3.32	4.79	.52	40.74
1916	2.49	3.51	5.13	1.05	4.87	3.27	3.54	3.44	5.14	7.48	1.92	1.44	43.68
1917	1.75	1.83	3.14	3.14	2.04	4.22	2.43	4.83	4.44	.86	3.68	2.27	39.43
1918	5.49	.42	2.00	3.21	3.06	2.12	5.22	1.79	2.70	4.81	1.36	9.58	41.56
1919	.64	1.20	1.80	3.20	2.57	3.70	2.57	5.41	1.57	5.07	4.44	5.92	38.09
1920	2.81	4.55	1.98	3.21	6.34	4.18	5.26	3.31	6.16	2.57	2.86	2.48	45.49
1921	.19	4.86	4.33	2.95	3.20	2.79	5.70	2.89	4.23	10.00	1.55	1.57	44.26
1922	1.15	7.71	2.54	7.04	2.51	5.88	2.58	2.13	3.86	4.91	10.48	1.54	51.67
1923	2.72	2.74	3.46	5.96	3.12	1.95	4.02	2.83	5.32	2.53	4.34	2.87	41.68
1924	5.13	4.03	3.87	3.59	.88	5.31	3.98	2.89	4.12	2.32	1.58	5.94	43.94
1925	.17	1.99	1.58	2.99	2.94	5.06	2.06	2.46	8.40	1.62	4.13	2.21	35.59
1926	4.04	3.53	2.83	1.20	3.29	4.57	.51	3.16	1.48	2.29	5.92	3.83	38.95
1927	3.82	4.95	4.93	3.01	4.67	2.03	3.67	4.04	4.92	2.55	11.06	6.17	55.84
1928	4.48	4.47	4.84	6.29	2.15	2.01	2.65	2.54	2.35	7.22	3.23	3.41	45.64
1929	3.00	1.71	2.70	3.33	3.89	3.61	8.29	3.41	2.28	1.38	2.14	1.74	37.46
1930	3.05	3.29	4.79	3.17	2.80	3.31	1.70	2.52	2.03	2.51	2.89	.39	32.45
1931	4.99	4.08	3.32	4.34	3.31	5.85	2.90	4.31	8.04	2.67	3.85	1.13	48.79
1932	2.28	.80	2.49	5.33	2.67	5.76	1.49	1.87	1.75	2.16	4.88	6.68	37.74
1933	5.53	5.47	1.78	2.19	3.65	8.91	6.36	2.53	2.13	3.93	4.80	9.07	54.13
1934	3.54	1.29	3.71	3.87	4.27	4.24	3.76	2.51	*4.38	*.86	2.12	6.08	*40.83
1935	3.76	2.19	3.91	7.45	3.44	1.59	*6.38	1.62	5.69	2.37	1.65	2.40	*42.85
1936	.52	4.59	.82	-	-	-	-	-	-	-	-	-	-

WALPOLE (East), MASS. (F. W. Bird & Son)^(a)
 Lat. 42°09'45", Long. 71°13'05". Elevation, 90 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1902	-	-	-	1.12	6.00	3.50	2.75	0.25	2.63	1.12	2.81	1.12	-
1903	8.75	1.00	4.31	2.37	1.63	6.56	3.50	.69	6.12	2.37	3.75	.88	39.93
1904	5.65	.88	1.63	4.75	2.19	2.00	6.50	1.75	5.00	1.12	1.84	4.94	38.23
1905	2.12	1.75	2.12	3.00	2.06	2.56	3.31	.63	4.43	.37	1.63	8.00	29.98
1906	.12	1.08	4.08	2.75	3.00	5.06	2.44	5.56	1.56	6.00	2.06	3.83	37.30
1907	2.88	2.55	3.96	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	34.08
1908	2.54	6.02	4.31	*3.66	*4.82	*3.52	*1.66	*4.74	*1.29	*4.23	2.20	1.57	40.36
1909	4.40	.96	2.42	3.72	5.81	5.16	6.07	2.74	2.12	1.12	2.19	5.06	41.57
1910	1.47	4.15	4.80	5.77	5.33	2.59	2.88	1.73	3.01	2.87	1.72	2.49	38.81
1911	1.60	5.09	1.94	3.01	3.04	3.18	2.84	.81	4.04	4.40	8.61	2.69	39.23
1912	2.88	5.27	5.03	2.41	2.66	5.41	5.95	4.18	1.58	5.81	5.24	1.16	39.38
1913	2.07	5.47	5.55	2.82	2.36	4.69	5.05	2.81	.59	2.63	4.15	3.00	39.13
1914	8.24	1.86	3.74	3.95	1.98	3.92	4.53	2.88	1.46	3.46	3.99	.23	40.24
1915	2.06	2.69	3.44	7.77	4.07	.00	1.21	1.50	1.89	10.23	5.76	.53	41.15
1916	2.64	2.68	5.24	5.24	3.43	2.93	4.29	4.59	3.82	5.72	1.77	1.27	43.62
1917	2.37	1.12	4.20	1.95	2.07	2.65	2.70	3.00	4.09	.98	10.12	3.06	38.31
1918	5.98	.50	2.63	4.06	2.11	2.07	3.78	4.99	3.11	4.58	1.97	7.55	43.33
1919	.41	1.99	2.82	2.98	2.52	5.30	2.40	5.39	1.28	7.21	4.46	6.68	43.34
1920	2.49	2.18	3.58	1.70	3.79	3.93	6.21	4.31	8.24	3.30	2.67	2.35	42.75
1921	2.70	5.64	5.44	2.20	3.58	2.46	4.62	5.43	3.85	12.00	2.04	1.75	51.71
1922	1.20	7.38	2.25	1.99	2.73	4.93	1.45	5.21	8.78	3.92	5.97	4.34	50.05
1923	2.37	1.08	3.34	5.01	1.95	2.19	4.78	.43	2.97	4.15	1.48	.91	30.68
1924	4.47	2.90	5.32	3.43	2.71	2.83	3.78	2.53	1.63	1.97	5.88	8.17	48.00
1925	.14	2.01	1.56	3.93	1.87	5.56	2.70	2.31	1.94	4.40	.91	4.83	32.16
1926	4.10	3.89	5.05	2.75	5.28	3.11	2.42	3.45	1.85	2.93	4.74	1.68	41.05
1927	4.49	6.04	4.39	2.72	3.30	1.47	1.95	2.61	1.99	2.56	9.03	3.39	43.94
1928	4.62	4.69	5.12	2.43	3.50	1.92	5.20	2.47	5.20	3.67	2.51	4.72	46.05
1929	3.20	1.84	2.99	4.62	3.84	3.31	9.19	3.61	1.62	1.07	2.14	1.64	39.27
1930	3.26	3.48	4.78	3.95	2.59	5.09	1.99	2.43	1.95	3.43	3.55	.36	34.84
1931	5.25	4.47	3.15	3.44	3.56	5.67	3.94	4.84	9.45	2.74	4.51	1.30	52.32
1932	2.32	.84	2.92	5.16	2.40	5.74	1.68	1.92	1.54	2.20	5.41	6.96	38.89
1933	7.04	4.98	1.73	2.15	3.81	6.24	6.78	2.58	2.24	4.71	4.00	9.55	55.89
1934	3.30	.99	3.82	3.65	3.89	4.49	3.48	2.45	4.90	.86	2.22	5.49	39.54
1935	3.73	2.94	3.26	6.87	3.28	1.57	7.25	2.19	5.77	2.55	1.48	2.62	43.51
1936	.86	4.92	1.03	7.70	3.49	6.99	3.33	2.21	2.40	1.74	8.65	6.97	50.09
1937	1.36	1.29	7.14	4.27	1.95	3.47	5.05	3.03	3.94	1.31	4.43	4.08	41.30
1938	4.36	6.12	3.43	4.69	2.61	2.48	2.21	5.25	8.89	11.99	3.80	5.60	61.21
1939	2.99	3.25	2.96	2.48	4.23	3.68	4.45	1.31	2.47	2.85	3.34	1.45	36.12
1940	6.16	1.51	3.06	2.34	4.23	4.13	5.33	3.75	2.58	3.83	1.62	2.77	41.31
1941	1.10	6.09	2.29	3.12	2.26	2.35	1.67	2.42	4.30	6.13	2.80	.24	34.57
1942	1.17	2.76	3.56	3.90	2.96	7.83	1.28	1.87	2.59	4.71	2.73	2.40	37.36
1943	3.39	5.65	4.92	3.31	1.18	3.27	3.76	5.47	1.53	4.36	1.46	1.23	39.51
1944	4.71	2.82	1.05	1.93	2.23	4.38	3.94	.25	3.97	2.52	1.41	8.13	37.32
1945	3.10	6.50	2.78	3.51	4.83	2.28	2.69	4.32	6.10	3.03	3.67	1.49	44.30

WALTHAM, MASS. (Boston Manufacturing Co.)
 Lat. 42°22'20", Long. 71°14'05". Elevation, 30 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1824	-	-	-	-	-	-	0.76	0.67	0.53	0.44	1.90	2.54	-
1825	0.81	0.76	1.80	2.16	93.43	6.03	.48	1.91	5.07	1.14	5.95	2.63	32.17
1826	2.86	.71	5.65	2.88	1.00	4.23	1.94	.49	4.04	2.08	7.23	4.15	37.26
1827	4.14	2.68	2.58	3.92	92.97	6.74	4.26	5.44	2.14	2.71	5.59	7.48	50.85
1828	5.95	6.58	5.76	2.05	3.40	2.88	2.58	6.25	6.16	5.00	.64	5.47	48.72
1829	3.17	5.82	.30	4.80	1.98	4.12	4.07	3.13	2.88	5.99	3.21	2.90	42.37
1830	1.69	5.74	1.58	3.14	91.63	2.17	3.01	3.81	4.01	6.09	4.54	4.82	42.23
1831	2.21	7.57	5.63	.64	1.48	4.99	8.63	3.84	4.42	5.13	3.41	4.56	52.51
1832	4.95	3.47	.25	5.18	2.78	3.60	5.42	7.41	.54	3.23	5.83	1.78	44.44
1833	3.13	4.47	3.84	1.58	2.02	2.16	3.59	2.91	3.97	3.38	1.33	3.86	36.24
1834	6.82	6.22	95.86	1.39	.64	1.31	3.53	6.49	3.69	4.88	2.65	2.93	46.41
1835	5.59	2.42	1.37	3.82	.88	3.28	4.74	2.18	2.16	8.63	3.47	2.39	40.93
1836	3.76	1.67	2.32	2.72	3.50	2.26	3.00	2.17	3.73	2.40	.97	1.06	29.56
1837	3.55	5.02	4.72	3.62	3.99	2.34	4.08	6.88	4.06	1.66	2.32	.66	42.90
1838	2.14	2.69	3.54	2.88	1.89	1.36	3.48	3.45	5.09	1.86	4.74	6.66	39.74
1839	4.82	3.56	1.00	.98	2.38	1.06	5.76	5.58	3.16	3.71	4.85	1.40	38.24
1840	2.39	1.95	5.60	1.68	2.78	3.28	5.17	2.28	2.41	2.09	5.22	2.89	37.74
1841	3.65	7.55	3.20	4.98	1.12	2.38	6.60	2.02	1.17	2.42	4.84	4.62	44.35
1842	3.37	3.67	4.51	1.04	3.38	2.51	3.16	2.54	5.90	2.20	4.70	2.86	39.84
1843	.98	3.67	5.32	2.76	1.64	5.78	4.30	.82	3.73	2.77	8.60	1.02	41.37
1844	5.54	3.50	93.34	4.14	92.03	4.20	.24	3.30	1.26	2.44	2.85	4.20	37.04
1845	5.86	3.14	2.46	3.44	1.70	2.84	1.76	2.62	2.63	3.84	3.30	2.55	36.14
1846	3.80	10.28	4.28	2.58	91.50	4.38	1.57	3.66	2.44	2.38	2.18	.82	39.87
1847	1.09	2.04	3.76	3.08	3.84	3.26	3.10	2.36	5.94	2.36	4.18	6.88	41.89
1848	1.72	4.16	3.02	3.24	1.56	4.08	1.56	5.96	3.10	1.92	2.28	3.32	35.92
1849	4.60	1.68	2.93	1.36	.40	6.66	1.32	3.62	2.00	2.16	5.36	1.94	34.03
1850	8.00	4.60	3.32	4.96	2.96	4.12	5.45	7.56	3.72	3.48	9.64	9.92	67.73
1851	2.64	3.36	4.32	1.36	3.92	1.20	8.98	3.60	1.64	3.23	.99	3.64	38.88
1852	4.85	5.34	2.25	1.83	2.27	4.04	7.70	1.68	3.26	2.11	7.69	2.08	45.10
1853	2.10	4.15	3.33	2.18	5.36	2.33	3.34	6.29	.95	2.72	7.78	4.50	45.03
1854	2.30	5.43	1.86	1.82	4.25	2.80	4.88	4.03	1.87	2.16	.57	4.36	36.38
1855	3.68	6.62	4.25	6.44	3.56	.86	4.34	.93	3.58	5.40	2.08	.79	42.53
1856	4.48	4.12	4.05	1.13	.17	.63	3.33	5.17	1.59	4.27	13.97	4.79	47.70
1857	2.23	3.09	1.96	2.68	1.40	2.03	7.78	4.56	1.88	6.99	4.77	2.20	41.57
1858	4.60	2.04	3.11	2.00	1.53	.86	4.10	3.22	6.42	4.02	4.02	3.68	39.78
1859	2.21	2.08	3.08	5.89	2.83	7.36	2.52	3.84	5.03	1.59	5.64	3.96	45.83
1860	2.80	3.05	4.18	1.46	1.58	1.76	1.06	2.21	6.01	5.08	7.52	7.96	44.67
1861	2.01	4.82	4.50	2.56	3.24	3.07	4.60	2.54	2.20	2.83	5.13	2.14	39.64
1862	1.91	4.51	1.98	5.11	2.15	3.66	1.00	2.45	6.10	7.09	3.65	2.89	42.30
1863	4.35	5.72	2.25	2.34	4.06	2.64	7.82	2.23	2.40	11.66	4.39	2.18	52.02
1864	3.04	5.92	5.00	3.00	.90	6.84	4.44	2.20	.70	1.16	2.51	2.30	38.01
1865	4.97	4.04	3.50	1.40	2.63	4.25	2.25	6.28	1.36	3.52	2.45	.82	37.47
1866	5.01	3.91	1.96	1.20	4.78	3.50	1.36	5.50	3.49	5.70	3.42	6.86	46.69
1867	1.94	2.60	3.11	2.50	2.22	4.88	2.49	3.84	2.15	5.30	8.78	.74	40.55
1868	5.16	1.98	1.36	3.14	.70	2.43	5.91	10.00	2.00	2.07	4.45	7.12	46.32
1869	2.04	3.67	1.12	6.44	1.00	5.26	2.03	5.03	3.60	2.90	2.06	6.45	41.60
1870	5.95	2.08	4.50	4.60	4.94	3.72	6.58	1.37	4.46	1.90	.92	1.40	42.42
1871	4.83	2.98	1.70	1.76	2.64	3.86	3.39	3.28	4.02	2.17	2.52	1.08	34.23
1872	5.28	4.70	2.12	.68	2.18	3.04	1.80	3.32	4.20	5.24	10.96	6.32	49.84
1873	3.60	3.52	.94	4.20	2.22	2.72	2.72	3.22	.80	3.48	6.49	2.91	36.82
1874	5.76	4.84	3.22	2.72	1.63	1.13	6.08	3.16	2.88	2.62	5.96	1.50	41.50
1875	.96	1.80	1.78	2.04	2.08	3.52	3.54	2.76	5.84	3.56	4.88	2.90	35.76
1876	4.00	4.22	.96	1.60	4.08	7.16	4.00	2.89	1.58	9.38	1.75	4.00	45.62
1877	2.54	6.48	1.88	2.06	.72	6.96	3.59	3.59	1.68	2.82	4.92	.79	38.03
1878	7.61	6.99	.89	5.35	4.03	4.07	5.11	.62	2.20	6.15	10.91	1.87	55.60
1879	5.03	6.03	4.08	.99	1.88	3.06	4.59	1.00	3.61	3.17	5.56	1.71	40.71
1880	.70	2.67	2.92	3.31	2.56	3.16	2.20	1.48	.96	6.84	3.80	1.40	32.00
1881	3.00	1.24	1.78	4.04	3.56	4.80	1.68	2.68	5.74	3.18	.72	1.84	34.26
1882	1.52	4.62	3.18	3.60	3.04	2.92	1.84	4.52	1.86	1.76	.36	8.64	38.04
1883	2.20	1.04	1.24	2.58	3.00	1.48	2.48	4.20	1.84	2.84	.00	1.08	23.98
1884	5.04	2.18	2.60	4.44	8.16	4.24	3.52	2.44	3.16	4.84	4.12	.60	43.34
1885	2.96	1.92	4.40	4.32	2.84	.48	3.42	3.43	4.69	2.32	5.80	1.74	38.32
1886	5.01	6.24	2.22	7.12	7.84	3.57	2.51	3.18	1.29	3.03	2.78	2.96	47.75
1887	2.78	4.28	6.25	5.99	4.66	5.23	4.76	1.62	2.97	4.58	4.64	1.59	49.35
1888	2.91	2.87	4.13	4.22	3.04	5.17	2.72	5.20	2.14	1.68	6.22	8.50	48.80
1889	4.65	9.16	5.72	6.24	1.53	2.03	4.35	5.35	3.29	9.90	3.50	4.26	59.98
1890	3.62	6.08	2.96	2.30	3.28	7.04	2.51	5.66	2.56	2.13	3.66	4.91	46.71
1891	10.48	1.54	5.15	5.71	4.83	5.96	3.14	1.93	4.02	2.83	5.32	2.53	53.24
1892	4.34	2.67	3.90	5.12	2.71	3.59	.88	5.81	3.98	2.69	4.12	2.32	42.13
1893	1.58	5.94	.93	2.31	7.65	2.99	2.94	5.08	2.06	2.46	8.40	1.62	43.94
1894	4.13	2.21	5.22	2.54	2.65	1.20	3.29	4.49	.51	3.16	1.48	2.29	33.25
1895	5.92	3.83	4.30	4.08	1.29	3.01	4.67	2.03	3.67	4.04	4.92	2.55	44.31
1896	11.08	6.17	2.61	2.77	4.56	6.29	2.15	2.01	2.65	2.54	2.35	7.22	52.40
1897	3.23	3.41	4.21	4.16	2.64	3.44	2.79	4.64	5.18	3.70	3.54	2.45	40.42
1898	.23	6.76	4.33	6.19	3.42	2.18	6.54	3.39	1.92	5.74	6.37	1.82	48.69
1899	6.93	6.50	3.50	4.57	4.20	7.28	1.58	1.05	3.48	2.76	2.69	4.72	49.06
1900	2.77	2.55	2.09	4.92	8.00	5.23	2.28	4.78	2.70	2.52	2.20	4.97	44.81
1901	4.13	5.26	2.78	1.36	1.20	6.76	8.62	8.31	1.15	5.34	4.47	3.93	53.31
1902	2.72	3.52	8.83	1.92	4.59	3.71	4.17	1.24	2.72	3.59	3.83	4.93	45.77
1903	4.88	1.09	5.04	4.76	4.23	6.85	4.21	1.75	8.29	3.83	3.54	2.17	50.64
1904	4.74	1.82	4.20	5.85	3.32	3.10	10.56	3.04	2.98	2.64	3.35	7.22	52.82
1905	1.41	2.13	2.82	5.11	1.09	3.25	3.15	1.73	4.52	1.20	3.30	5.40	35.11

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Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	1.52	2.34	4.79	3.10	2.76	5.43	3.24	5.49	4.41	3.53	2.76	3.08	42.47
1907	3.15	3.11	5.09	2.87	2.49	2.03	3.89	3.45	2.76	1.56	1.19	8.97	40.66
1908	6.62	7.14	4.08	9.14	4.03	1.87	1.87	3.59	2.00	3.80	4.06	4.83	48.19
1909	3.29	.63	2.60	3.22	5.56	4.14	4.11	1.29	3.26	2.05	3.43	5.47	46.25
1910	1.08	4.04	4.74	5.11	4.95	.85	2.65	1.07	4.82	1.58	.65	2.86	34.40
1911	1.69	4.93	2.65	2.48	2.85	3.62	2.70	.85	4.66	4.65	6.73	3.84	41.65
1912	3.50	5.24	4.28	3.16	2.52	5.89	4.98	4.70	.30	4.65	2.58	1.79	45.59
1913	2.05	3.05	4.70	2.99	2.73	5.90	4.12	4.11	1.10	3.06	4.16	3.63	41.60
1914	6.11	1.10	1.95	3.14	2.09	4.49	5.37	2.78	1.99	2.31	4.22	.06	35.50
1915	1.53	2.64	3.47	6.52	3.20	.00	3.76	1.51	1.81	10.76	5.58	.85	41.63
1916	2.77	2.89	5.28	1.33	4.78	2.26	4.33	3.08	5.56	3.23	2.26	1.27	39.04
1917	1.25	1.58	2.53	2.35	2.03	2.68	4.48	4.32	3.78	3.55	2.53	3.82	31.82
1918	6.33	.60	3.04	2.87	2.12	1.98	2.90	1.73	2.73	3.35	1.25	9.34	38.24
1919	1.10	2.08	2.18	3.50	2.97	4.06	2.34	5.06	1.18	6.23	4.39	7.68	42.97
1920	1.73	4.04	1.42	2.70	5.86	3.06	5.20	2.72	6.80	1.54	1.72	1.86	39.34
1921	2.13	4.47	3.60	1.54	2.43	2.96	2.60	5.35	3.80	7.86	1.04	1.73	39.51
1922	1.05	7.10	1.74	1.13	2.92	3.19	3.15	4.98	10.60	3.24	5.13	4.49	48.72
1923	2.96	1.16	3.02	6.24	1.71	2.66	5.18	.94	2.98	3.88	1.61	.86	33.20
1924	3.78	5.00	4.64	3.08	2.68	2.11	4.77	2.87	1.51	3.18	5.24	6.29	45.15
1925	.00	1.35	1.63	4.28	3.64	4.21	3.16	2.17	5.14	2.16	1.63	2.36	51.73
1926	2.98	2.81	3.60	-	4.83	2.96	2.08	2.73	1.53	5.86	5.31	1.20	-
1927	2.81	4.53	-	2.39	3.40	1.22	1.89	2.73	2.87	3.17	7.34	2.99	-
1928	4.91	4.83	4.98	2.07	2.77	1.29	2.64	2.53	5.51	4.41	2.57	4.47	44.98
1929	3.32	1.69	2.34	2.49	3.37	2.97	7.46	2.10	3.80	.73	2.23	1.13	33.63
1930	2.90	3.27	3.91	2.04	2.02	-	-	-	-	-	-	-	-

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1895	-	-	-	3.39	0.87	2.66	4.40	1.82	4.61	4.68	3.03	2.19	-
1896	9.87	6.17	1.84	2.33	5.74	3.58	1.48	2.09	2.21	2.12	3.05	6.81	47.29
1897	2.74	2.83	1.97	4.26	2.86	3.22	2.44	4.19	4.17	4.13	3.89	3.13	39.83
1898	.21	4.54	4.40	5.91	2.82	3.08	5.72	3.03	2.22	5.33	7.22	2.37	46.85
1899	6.17	6.14	1.83	2.40	4.49	5.22	1.80	1.84	3.15	3.23	3.17	4.08	42.52
1900	1.83	3.50	1.58	4.47	8.08	5.14	2.58	4.84	2.10	2.41	2.14	4.67	45.14
1901	3.40	4.68	2.29	1.34	1.10	5.52	6.72	7.67	1.22	5.83	3.59	2.95	46.31
1902	2.75	7.77	8.15	1.62	3.00	5.10	3.85	1.62	2.22	3.12	4.09	4.04	42.33
1903	4.48	.97	5.84	3.24	3.34	6.09	3.31	.82	8.47	3.89	4.08	2.45	48.96
1904	4.57	1.48	2.45	3.01	2.10	2.50	8.55	4.05	3.18	2.35	3.60	5.87	45.71
1905	1.73	1.51	2.06	4.54	1.65	3.27	2.67	1.32	5.90	2.10	3.40	7.45	37.60
1906	1.43	2.17	3.70	2.38	2.88	5.10	2.45	4.70	2.59	5.03	2.75	2.47	37.65
1907	2.70	2.47	4.15	2.53	1.61	1.92	3.37	3.08	2.80	1.90	1.47	7.67	35.67
1908	3.30	5.40	2.94	2.95	3.32	2.67	1.40	4.10	1.55	4.17	4.55	.90	37.25
1909	2.75	.80	2.50	3.85	5.05	3.15	3.90	2.20	3.15	3.40	2.85	4.20	37.80
1910	1.15	2.95	2.35	4.33	3.34	1.25	2.45	1.00	3.40	1.50	2.10	2.65	28.47
1911	1.31	3.85	2.17	2.84	2.89	3.20	1.82	.67	3.23	4.51	4.60	3.40	34.49
1912	3.00	4.53	3.43	2.60	2.25	5.86	3.87	5.22	.22	5.85	1.97	2.00	40.80
1913	2.95	2.85	4.50	2.87	2.85	5.07	4.33	3.87	1.47	3.25	3.85	2.95	40.81
1914	5.82	2.00	2.72	3.03	2.80	4.67	5.13	2.50	2.10	2.42	3.35	.30	36.64
1915	1.70	2.65	3.37	5.85	3.75	.00	2.49	2.19	1.42	10.37	6.75	.85	41.89
1916	3.05	2.60	5.05	1.52	5.01	4.03	4.50	3.10	6.12	3.30	2.00	1.50	41.78
1917	1.10	2.28	2.67	3.01	2.48	4.35	2.65	4.70	3.90	1.05	3.35	1.70	38.24
1918	5.23	.87	2.64	3.24	2.21	3.30	3.00	2.20	3.28	4.00	2.05	8.10	40.12
1919	1.00	2.15	3.29	4.05	6.30	4.45	22.25	55.35	11.50	55.10	54.88	56.28	43.86
1920	1.96	4.82	1.85	2.82	5.69	4.20	5.02	3.20	6.82	3.09	1.23	3.69	44.59
1921	1.16	5.27	5.79	2.55	4.67	2.15	6.04	2.54	3.33	10.92	1.48	2.25	48.65
1922	1.05	6.88	2.31	2.04	3.83	4.45	1.68	4.87	10.19	4.52	4.05	3.42	49.29
1923	1.94	1.13	3.37	7.96	2.41	3.10	5.28	1.21	2.67	3.09	1.54	1.33	34.92
1924	4.51	4.86	5.33	3.45	2.34	2.15	5.41	3.50	2.01	2.14	5.64	7.42	48.76
1925	.09	2.50	1.46	3.97	2.11	5.3							

WALTHAM, MASS. (Water Works Pumping Station) (a)
 Lat. 42°21'45", Long. 71°15'05". Elevation, 20 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1880	-	-	-	3.10	3.88	3.03	2.14	1.69	1.06	8.32	4.38	1.64	-
1881	3.06	2.20	1.39	2.81	4.48	5.40	1.76	3.47	6.28	4.27	.96	2.49	38.55
1882	3.04	3.55	3.45	3.64	3.97	2.48	2.51	5.20	1.90	2.52	1.82	.99	42.85
1883	2.28	.73	2.17	3.16	3.92	2.26	3.12	4.78	2.88	3.76	.58	.97	30.39
1884	6.08	2.32	2.60	4.29	6.26	4.19	3.61	2.91	3.54	5.27	4.55	.63	46.25
1885	2.67	1.95	4.76	4.99	3.15	.48	3.52	3.41	4.24	2.53	6.12	1.56	39.58
1886	4.70	6.02	1.82	5.12	7.83	3.06	1.76	3.28	1.33	2.72	3.12	3.14	43.90
1887	3.10	4.74	3.13	5.48	5.14	5.01	3.31	1.27	2.62	4.32	4.75	.78	43.66
1888	2.98	3.10	4.30	4.26	3.58	5.63	3.18	4.48	1.95	1.70	6.91	9.28	51.35
1889	5.09	7.53	5.99	6.72	1.50	1.87	4.43	5.23	2.33	10.63	3.58	4.24	60.05
1890	3.96	6.20	2.66	2.18	2.97	5.99	2.48	5.76	2.59	2.13	3.05	5.50	45.37
1891	10.28	1.25	5.05	6.11	5.37	4.97	3.05	1.68	3.83	2.97	4.66	2.69	52.01
1892	3.61	2.60	2.83	3.78	2.07	2.97	.91	6.11	4.30	3.27	4.00	2.48	38.91
1893	3.15	3.86	1.25	2.13	4.50	2.62	3.18	4.15	2.53	2.82	6.79	1.75	38.74
1894	4.05	2.01	4.38	1.66	1.53	1.06	2.24	4.61	.10	3.00	1.37	2.04	28.07
1895	4.72	2.66	3.46	3.38	1.70	2.38	4.23	2.07	4.13	4.49	5.01	2.45	40.68
1896	10.73	5.60	2.07	2.03	6.03	3.36	1.50	1.88	2.55	2.72	2.37	7.74	46.58
1897	3.41	3.25	2.06	2.64	2.10	3.09	2.72	4.71	5.02	4.23	4.77	2.85	40.86
1898	.15	6.62	3.85	4.48	5.20	1.11	6.26	3.44	1.78	5.68	7.18	1.80	47.50
1899	7.42	5.62	3.21	4.24	3.11	6.28	1.55	1.70	2.38	2.59	2.97	4.81	46.85
1900	2.73	2.54	1.60	4.54	6.54	5.21	2.36	3.52	2.99	2.70	2.50	3.60	42.63
1901	4.28	5.22	2.81	1.36	.84	6.89	8.11	7.95	1.31	5.50	4.85	4.17	53.29
1902	2.74	3.16	8.10	1.89	6.32	3.75	4.52	1.18	2.53	4.02	3.80	4.81	46.62
1903	4.85	1.12	4.46	3.89	3.90	6.92	3.84	1.00	8.53	3.93	3.90	1.91	46.27
1904	4.55	1.69	2.49	4.30	2.62	2.58	9.64	3.25	3.14	1.69	3.54	7.01	46.50
1905	1.86	1.96	2.78	5.11	1.12	3.46	3.13	1.88	5.33	2.11	3.02	7.64	39.42
1906	1.24	2.42	3.76	2.59	2.76	6.02	2.54	5.22	2.83	5.11	2.58	2.95	40.02
1907	3.04	2.99	4.93	2.88	1.89	1.51	3.33	3.40	2.67	1.46	1.66	8.32	38.70
1908	3.49	6.89	5.05	3.85	4.05	3.52	1.97	3.89	1.14	5.53	4.23	.80	40.57
1909	3.07	.67	2.81	4.21	5.58	3.31	4.51	1.82	2.96	1.59	3.17	4.94	39.61
1910	1.14	3.47	4.37	5.11	4.95	.62	2.38	1.52	4.59	2.33	1.14	2.99	34.81
1911	1.60	4.33	2.21	2.91	2.99	3.16	2.42	.67	3.92	4.83	5.03	3.90	37.97
1912	2.97	4.77	4.35	3.16	2.75	6.27	4.26	5.04	.31	4.38	2.82	1.93	43.01
1913	2.56	3.20	5.62	3.16	2.94	5.74	4.42	4.35	1.08	3.29	4.95	3.99	45.30
1914	6.19	2.43	1.35	3.31	2.17	4.69	5.51	2.78	1.92	2.46	4.88	.07	39.56
1915	1.81	2.47	3.51	6.57	3.19	.00	3.78	1.49	1.81	9.87	5.50	.92	40.90
1916	2.80	2.93	5.09	1.16	4.77	2.26	4.23	3.03	5.79	3.21	2.10	1.30	38.87
1917	1.20	1.85	2.78	2.88	2.53	3.59	2.41	4.98	4.43	.73	4.47	2.35	34.20
1918	5.50	.83	2.16	3.01	3.57	1.74	2.84	2.00	2.68	2.99	1.64	9.52	38.48
1919	1.02	2.08	3.06	4.09	3.12	4.34	5.57	5.77	1.32	5.21	6.09	7.44	46.11
1920	2.24	6.20	1.79	2.25	5.66	3.65	5.77	3.55	7.28	1.78	2.23	3.88	45.98
1921	1.39	6.01	4.85	2.54	2.41	2.71	4.83	4.01	3.91	8.34	1.01	1.61	43.62
1922	1.02	7.85	2.27	1.50	2.73	5.11	1.22	5.22	10.82	3.50	5.24	4.44	50.92
1923	3.08	1.17	2.99	6.84	1.63	2.59	5.31	.91	2.50	3.83	1.73	.87	33.45
1924	4.46	5.04	5.19	3.92	2.21	1.53	4.91	3.10	1.48	2.94	5.61	7.36	47.95
1925	.11	2.32	1.75	3.85	2.20	5.23	2.47	1.91	4.48	3.95	1.22	2.62	32.31
1926	3.47	3.85	5.94	2.44	6.22	3.12	1.48	2.89	1.46	5.19	5.18	1.29	42.53
1927	4.65	4.58	3.55	2.03	2.62	1.48	1.91	3.05	3.00	5.03	8.52	3.56	43.98
1928	5.05	4.88	5.57	2.34	3.32	1.28	5.40	2.80	6.26	4.66	3.55	4.98	50.09
1929	3.96	2.24	3.04	3.31	3.05	2.77	6.79	2.99	3.83	.84	1.98	1.30	36.10
1930	2.88	2.86	3.79	2.42	2.13	2.92	2.03	2.90	1.93	3.85	2.26	.51	30.48
1931	5.24	4.06	2.29	3.24	2.19	4.92	2.85	3.75	8.12	2.83	4.62	1.44	45.55
1932	2.63	.94	3.28	4.23	1.77	5.22	1.42	1.16	1.95	2.32	5.61	6.23	36.76
1933	5.51	1.64	2.19	3.33	6.68	5.61	2.27	2.13	2.42	2.48	11.77	52.63	
1934	3.34	.87	3.33	3.34	2.42	4.45	2.39	2.41	4.51	1.84	2.16	7.26	36.92
1935	3.49	2.61	2.50	5.99	2.86	1.63	5.40	1.52	6.49	1.42	1.59	3.52	39.02
1936	.53	4.78	.85	6.80	2.93	7.46	2.99	2.40	2.35	2.75	5.50	5.19	44.53
1937	1.80	1.37	8.33	4.20	2.15	2.61	4.83	3.42	3.79	.95	5.29	3.24	41.78
1938	3.74	5.35	3.87	3.57	1.98	2.20	3.25	4.01	5.72	11.93	3.32	6.78	55.72
1939	2.80	2.44	2.94	1.84	3.74	3.60	4.79	1.45	3.25	.60	4.41	1.51	32.87
1940	5.10	1.03	2.99	1.85	2.95	3.02	4.74	3.39	2.20	3.54	1.18	2.90	34.89
1941	1.03	6.28	2.61	2.93	1.62	1.76	1.49	2.20	4.51	2.34	3.10	.33	30.20
1942	1.80	2.58	2.84	4.07	2.04	6.77	1.45	2.13	4.04	4.96	2.79	1.98	37.45
1943	3.21	5.13	4.56	2.56	1.08	3.49	3.40	4.47	2.70	3.82	.86	1.07	36.33
1944	4.06	3.40	1.01	2.01	1.97	3.67	3.90	.61	4.13	1.81	1.87	5.25	33.79
1945	2.81	5.14	2.92	2.33	2.92	1.95	2.67	4.69	6.62	2.72	3.61	1.23	39.81

WARE, MASS. (Ware Center) (a)
 Lat. 42°15'40", Long. 72°16'20". Elevation, 520 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	2.37	6.57	2.03	2.71	5.07	3.65	5.37	2.84	7.65	4.53	3.97	5.92	52.68
1921	.92	4.85	5.38	2.53	2.52	1.64	6.35	2.95	4.22	6.28	2.14	2.06	41.84
1922	1.69	6.80	2.58	1.42	2.78	4.46	6.25	4.17	9.72	7.19	3.02	2.33	46.61
1923	2.92	1.84	3.23	5.21	1.93	1.79	5.04	1.95	3.36	2.13	5.42	1.96	39.43
1924	4.94	4.74	5.14	3.61	2.42	.93	4.75	2.90	1.82	1.58	4.52	4.61	41.96
1925	.15	2.94	2.05	2.61	2.72	4.88	2.78	2.43	4.86	4.95	1.80	3.24	35.41
1926	3.88	2.68	2.22	2.14	3.06	1.96	2.72	1.61	2.43	3.08	2.87	1.33	29.90
1927	4.72	4.87	3.16	2.66	3.16	1.80	2.61	5.13	3.94	7.28	7.39	2.13	46.83
1928	4.17	6.74	5.15	1.92	2.78	1.51	3.84	2.23	6.12	4.17	7.55	2.70	46.88
1929	1.62	1.64	1.08	3.91	2.04	1.86	4.21	4.20	3.58	.72	3.25	8.56	36.67
1930	2.21	2.65	3.30	2.49	1.45	1.89	1.04	3.51	3.73	5.66	.64	2.99	31.96

WARE, MASS. (Ware Center) (a) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1931	2.32	2.88	1.86	2.22	2.20	3.67	1.84	5.61	5.96	3.33	5.32	1.69	38.90
1932	2.62	.83	2.78	4.26	2.01	4.55	2.41	1.60	3.34	2.68	4.00	3.85	34.92
1933	4.59	4.14	2.00	1.78	3.81	5.05	4.72	2.91	2.73	3.53	5.46	9.84	50.56
1934	3.37	1.36	3.05	3.12	3.91	2.09	2.36	3.78	5.64	3.46	1.85	8.57	42.68
1935	2.95	2.76	1.61	5.21	3.17	1.60	2.59	2.72	5.63	2.56	.46	4.16	35.59
1936	1.04	3.27	.90	5.98	2.73	7.52	2.97	3.35	5.00	2.24	5.28	5.56	45.84
1937	2.50	1.58	6.11	5.17	1.66	3.05	3.53	5.92	5.72	3.66	5.65	5.21	49.96
1938	3.70	8.41	2.71	4.18	1.79	2.14	3.45	4.30	8.23	10.14	2.60	15.70	67.35
1939	2.27	3.07	2.93	2.02	4.09	4.56	3.27	1.27	2.04	2.33	4.31	2.72	34.88
1940	5.00	.87	3.33	2.37	3.55	3.67	5.57	4.59	3.14	2.77	2.26	1.71	38.85
1941	.81	5.43	2.92	2.00	1.95	2.03	.71	2.61	3.75	8.49	4.05	1.28	36.03
1942	2.22	2.80	2.95	3.55	1.70	5.30	1.07	3.41	4.09	4.78	2.75	3.48	38.08
1943	3.56	5.12	4.79	2.54	1.87	4.27	3.17	6.27	2.69	6.18	5.59	1.24	45.09
1944	3.90	4.93	.74	1.27	1.89	4.17	4.56	.70	7.95	1.43	1.97	6.77	40.08
1945	1.92	3.50	3.88	3.16	2.85	1.59	5.16	6.01	8.29	7.19	4.36	2.00	49.91

WARE (River), MASS. (b)
Lat. 42°16', Long. 72°17'.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	-	-	-	2.94	1.95	6.54	1.17	3.49	5.06	5.04	-	3.26	-
1943	3.37	5.80	5.34	3.19	1.88	3.15	3.27	6.85	3.19	5.34	3.04	1.13	45.55
1944	5.90	5.82	.83	1.30	2.43	4.69	4.46	1.40	7.60	2.18	2.43	6.59	45.63
1945	1.87	3.92	3.54	3.76	3.58	2.10	4.73	5.77	9.04	7.24	4.77	2.20	52.52

WARE (West), MASS. (a)
Lat. 42°16'30", Long. 72°20'00". Elevation, 450 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1919	-	-	-	-	-	-	-	-	-	-	3.88	6.50	-
1920	2.49	6.70	1.69	1.94	4.32	3.70	5.64	3.59	6.42	4.07	5.05	5.98	51.59
1921	1.01	5.35	5.52	1.94	2.74	3.11	7.61	3.02	4.30	5.11	2.49	1.17	43.37
1922	2.40	5.70	1.53	1.65	2.39	5.52	1.92	3.44	9.65	8.09	2.72	.92	45.96
1923	3.84	1.46	3.64	5.35	1.61	2.31	4.55	2.04	4.96	2.13	5.42	2.17	40.52
1924	3.72	5.81	64.66	3.89	1.92	1.42	5.55	9.88	2.36	2.70	4.70	4.77	43.48
1925	.00	2.93	2.00	2.35	3.33	4.42	3.06	2.46	5.08	4.60	1.42	3.56	35.21
1926	4.60	3.11	2.04	1.36	2.78	2.58	2.64	1.98	2.54	3.73	4.31	1.26	32.93
1927	5.10	6.04	2.73	2.34	3.21	2.17	2.06	5.55	3.72	9.04	7.10	1.96	51.02
1928	3.70	7.08	5.59	2.11	2.57	1.86	4.12	1.98	7.12	5.18	6.85	2.43	50.59
1929	1.78	61.80	6.94	4.34	2.89	3.08	5.55	5.03	2.96	.64	2.64	7.33	38.73
1930	2.13	2.79	3.75	2.06	2.15	3.05	1.12	3.77	4.24	6.25	1.60	3.18	36.07
1931	2.04	3.09	1.45	2.85	1.63	3.76	2.21	6.01	4.46	3.40	6.10	2.39	39.39
1932	3.29	1.45	2.74	3.69	2.26	4.36	2.37	1.56	2.90	3.21	4.20	4.80	36.63
1933	3.98	3.94	2.05	2.31	3.55	4.17	6.23	2.66	2.30	2.61	7.12	8.60	49.52
1934	4.39	1.53	3.27	2.85	2.51	1.44	2.56	4.54	5.01	2.68	3.13	7.90	41.81
1935	2.17	4.00	2.82	4.44	2.94	1.83	3.03	1.81	5.24	2.61	.92	4.57	36.38
1936	1.60	3.75	1.09	5.96	2.53	7.50	3.99	3.30	3.70	2.29	4.22	4.43	44.36
1937	2.26	1.84	5.58	5.13	1.97	3.12	3.68	4.34	6.30	1.86	6.41	5.15	47.64
1938	3.48	5.78	2.47	4.07	2.19	2.34	2.64	2.83	7.38	8.50	1.68	16.62	60.19
1939	2.42	2.85	2.94	2.23	3.59	3.81	4.00	1.12	3.49	2.44	3.63	2.77	35.30
1940	4.56	.85	3.80	1.55	2.27	4.33	5.45	4.59	-	-	-	-	-

WAREHAM, MASS. (Onset Water Co.)
Lat. 41°45'25", Long. 70°28'50". Elevation, 60 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1917	-	-	-	-	-	-	-	-	-	-	3.43	2.51	-
1918	3.97	0.79	1.58	3.06	2.94	2.32	4.48	0.91	4.80	2.28	2.07	5.05	34.25
1919	.98	2.45	4.25	5.74	3.44	4.92	3.81	3.72	3.00	9.16	6.03	4.93	52.43
1920	2.94	4.59	2.97	3.49	7.12	6.35	5.49	5.15	7.87	1.96	2.58	2.26	52.77
1921	2.51	3.63	4.42	2.80	2.77	3.88	5.03	4.81	2.64	9.11	2.56	1.10	44.26
1922	1.31	7.87	2.24	2.00	4.70	5.91	2.16	3.97	2.88	4.57	9.45	1.65	48.81
1923	2.84	1.29	4.51	6.84	2.73	5.72	5.39	1.02	3.09	2.41	1.31	2.17	39.42
1924	3.05	2.07	4.75	4.35	3.76	3.80	6.22	2.40	9.07	3.90	8.95	2.91	45.16
1925	.17	1.97	2.38	3.12	1.91	3.89	2.39	4.07	3.40	2.60	1.65	3.49	31.04
1926	4.55	3.11	3.68	3.13	5.14	2.78	2.13	3.59	3.43	1.71	3.20	1.06	37.51
1927	6.08	4.64	3.76	3.23	3.22	1.64	1.59	1.91	3.62	4.90	8.29	3.43	46.31
1928	3.27	4.61	5.18	3.37	4.51	3.42	3.55	2.26	5.00	5.81	.53	6.09	47.60
1929	1.68	2.29	2.98	3.22	3.81	3.84	7.21	3.51	.77	2.06	6.51	3.99	41.87
1930	2.17	3.77	5.06	3.79	4.45	2.39	1.66	2.64	2.66	2.71	2.43	.50	34.23
1931	4.00	4.54	3.54	3.52	3.40	7.75	3.15	5.68	6.06	4.01	5.19	1.89	52.73
1932	5.14	.88	3.90	6.76	2.24	4.68	1.40	2.22	3.04	3.42	3.35	6.50	43.53
1933	4.21	6.15	2.61	2.98	4.59	6.03	5.90	2.69	2.82	3.68	3.47	12.53	57.66
1934	4.97	3.10	3.83	3.47	5.71	4.89	4.20	2.37	3.01	1.46	2.27	1.55	40.83
1935	5.14	2.85	4.28	6.85	3.34	2.70	6.17	2.21	3.94	3.49	1.59	6.18	48.74
1936	2.46	7.98	2.41	7.39	2.88	6.56	3.20	2.49	5.28	2.00	5.29	7.98	55.92
1937	3.00	1.83	9.37	4.58	1.67	4.15	5.38	2.56	3.26	.16	5.11	8.31	49.28
1938	4.54	4.97	4.02	4.00	3.37	3.20	3.67	3.90	9.81	4.67	3.42	6.78	56.25
1939	5.84	4.16	3.61	4.42	5.09	7.52	5.28	2.27	4.17	.65	6.21	2.72	49.94
1940	3.78	2.22	2.53	2.14	6.65	4.80	7.39	5.62	2.07	4.68	1.65	6.26	49.78
1941	2.73	6.79	3.61	5.66	2.52	3.69	3.57	3.74	7.54	4.09	4.42	.15	48.51
1942	2.74	2.33	3.62	6.10	3.00	8.54	1.15	2.29	2.53	2.86	6.90	3.94	46.00
1943	4.13	6.01	4.51	5.10	2.73	4.37	3.09	4.35	1.55	3.86	2.68	3.51	45.69
1944	3.83	3.10	1.25	3.59	2.71	5.22	4.72	.56	3.45	.65	1.44	4.50	35.02
1945	1.94	9.56	4.40	4.23	4.80	2.91	1.66	4.11	5.39	3.49	3.14	1.35	46.98

HYDROLOGY OF MASSACHUSETTS

WAREHAM (East), MASS. (b)
 Lat. 41°46', Long. 70°40'. Elevation, 18 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1927	-	-	-	3.43	2.59	1.57	1.65	1.88	3.88	3.58	9.13	3.45	-
1928	3.29	4.36	4.97	3.12	4.62	2.80	3.76	2.04	4.72	5.87	.69	6.29	46.53
1929	1.66	1.30	4.64	3.28	3.56	4.46	7.65	3.59	.87	2.29	5.79	3.59	42.68
1930	2.54	3.89	5.20	3.75	2.69	2.16	1.56	2.67	2.49	2.72	2.43	.36	32.48
1931	3.76	3.95	4.90	3.27	3.11	6.88	3.02	4.90	6.86	3.91	5.25	1.61	51.60
1932	5.60	.78	4.07	6.61	2.67	4.96	1.56	2.57	3.12	2.91	3.25	6.61	44.71
1933	4.35	6.31	2.76	3.62	4.59	5.96	6.90	1.66	2.76	3.76	3.74	12.15	58.57
1934	4.87	3.06	2.72	3.65	2.69	3.64	4.99	2.33	3.00	1.37	2.29	1.36	36.72
1935	4.91	2.48	4.13	4.74	2.62	2.35	5.15	2.05	3.53	3.35	1.51	6.24	43.36
1936	1.96	8.39	2.18	7.56	2.39	6.97	3.06	2.10	4.78	1.83	4.95	7.36	53.53
1937	3.53	1.79	9.06	5.33	1.60	4.03	5.25	2.96	3.26	.07	4.73	7.71	49.32
1938	3.73	4.68	3.61	3.76	2.60	3.29	3.92	3.67	9.65	4.83	4.14	5.55	52.43
1939	4.39	4.14	5.54	4.16	3.94	7.74	4.96	2.26	2.03	2.38	3.50	4.60	47.64
1940	3.69	2.16	2.67	2.04	3.59	4.70	7.15	4.15	3.21	4.31	1.24	6.08	44.99
1941	2.55	6.41	3.35	4.94	2.06	3.48	3.21	3.15	6.62	4.05	3.42	1.11	44.35
1942	1.77	2.21	5.29	4.35	3.69	8.45	1.04	1.79	2.14	3.34	6.94	3.55	42.58
1943	4.12	6.13	4.11	3.50	2.41	3.82	2.31	4.45	1.33	3.55	2.70	2.29	40.78
1944	4.06	3.17	1.37	3.49	2.21	4.94	4.61	.47	3.31	.87	1.45	4.29	34.06
1945	2.11	9.92	3.87	4.28	4.76	2.79	1.64	3.71	5.17	2.77	3.27	1.38	45.87

WARREN, MASS. (a)
 Lat. 42°12'20", Long. 72°11'40". Elevation, 650 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1912	4.02	3.96	-	-	-	-	5.10	5.64	0.62	2.03	2.64	1.46	-
1913	1.46	4.36	4.43	3.66	2.33	5.60	4.71	3.91	.92	1.48	3.37	3.18	39.65
1914	6.03	3.39	1.70	2.76	3.88	4.86	4.38	3.08	2.19	3.41	3.60	.25	39.53
1915	1.64	2.53	2.51	5.41	3.74	.21	1.14	61.97	e2.06	e6.52	e5.49	e1.62	36.84
1916	e2.65	e2.78	e3.91	1.52	5.23	2.31	3.60	3.81	4.73	7.01	3.43	3.90	44.88
1917	1.14	3.29	2.82	2.95	2.79	3.59	1.50	3.89	4.04	.89	5.41	1.24	33.55
1918	5.92	1.62	1.52	2.78	3.76	1.76	3.27	1.52	4.69	2.76	3.13	6.03	36.76
1919	1.71	2.78	2.61	3.43	3.24	5.44	2.60	4.62	1.12	7.56	3.43	7.16	45.72
1920	e2.53	e6.32	e1.83	e2.09	e5.14	e8.78	e5.61	e3.66	6.89	5.55	4.21	5.18	57.81
1921	.85	4.63	4.80	2.35	2.50	3.25	5.10	2.09	3.25	4.45	2.26	2.57	38.12
1922	2.35	5.62	2.91	1.55	2.29	4.94	1.79	4.03	5.73	5.86	4.42	3.35	45.04
1923	2.35	1.51	3.35	6.67	1.63	2.66	4.69	1.25	5.04	2.43	5.66	1.30	38.74
1924	4.62	4.60	4.44	3.75	2.80	1.51	5.76	2.46	-	-	-	-	-
1927	-	-	-	-	-	-	2.32	4.63	2.90	6.21	7.65	1.86	-
1928	4.42	6.49	5.68	2.27	3.51	1.66	4.40	2.37	7.74	5.30	5.87	3.26	53.17
1929	1.52	2.10	1.23	3.14	3.33	2.98	6.17	5.50	1.79	.61	3.65	5.03	37.05
1930	2.58	2.91	2.82	1.41	1.64	2.19	1.51	3.78	2.59	4.21	1.58	3.27	30.49
1931	2.43	2.37	1.53	2.54	1.81	3.85	2.32	4.33	4.63	3.30	5.91	1.46	36.46
1932	2.34	1.14	2.74	3.78	2.36	4.42	1.97	1.57	3.21	2.11	4.33	4.51	34.48
1933	4.21	4.10	1.70	2.07	3.71	5.00	5.45	3.00	2.93	4.31	5.57	8.44	50.49
1934	4.03	1.53	5.44	3.35	2.83	3.20	3.94	4.05	6.12	4.49	3.11	10.10	50.19
1935	2.56	2.47	2.73	4.61	2.85	1.71	2.76	2.92	5.26	1.74	.78	4.05	34.70
1936	.80	3.23	1.14	6.09	2.60	9.32	3.98	4.17	2.71	2.69	4.00	5.38	46.71
1937	2.24	1.45	7.16	5.02	2.00	3.25	3.66	3.78	4.79	3.47	3.70	4.65	45.37
1938	3.76	6.26	2.58	4.72	2.31	2.68	3.12	3.28	8.10	8.94	3.42	15.07	64.24
1939	2.03	3.58	2.61	2.05	3.84	2.82	2.92	.82	1.93	1.31	4.52	2.00	30.43
1940	3.04	.59	2.04	.50	1.31	2.53	1.48	3.05	2.58	3.03	1.29	2.73	24.17
1941	1.36	6.12	2.10	2.28	2.36	1.64	.75	2.15	3.96	6.69	3.69	.79	33.89
1942	1.95	2.32	5.11	3.59	1.61	6.65	1.09	4.23	4.61	4.84	2.24	3.23	39.67
1943	4.10	4.74	4.65	2.61	1.69	3.32	3.22	6.57	2.75	5.85	1.45	.96	41.69
1944	5.72	5.03	.86	1.35	2.28	4.57	4.25	.96	7.13	1.97	2.86	6.79	42.50
1945	1.90	4.35	2.87	2.96	3.30	2.27	4.90	5.05	5.59	7.18	3.66	1.80	46.05

WARWICK, MASS. (a)
 Lat. 42°40'20", Long. 72°21'30". Elevation, 1,000 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	-	-	-	-	-	-	-	-	-	4.61	4.24	5.17	-
1921	1.12	4.82	6.74	1.03	2.48	4.55	6.10	2.83	3.77	4.76	2.39	2.36	42.95
1922	2.11	6.70	2.27	1.84	3.08	6.75	1.89	5.31	11.13	4.91	5.50	3.10	54.59
1923	2.14	1.99	4.06	5.15	2.25	2.05	3.90	3.04	2.24	5.15	2.62	3.31	37.90
1924	5.07	5.25	5.11	3.11	2.61	1.63	7.08	3.55	1.99	2.66	4.01	8.00	50.07
1925	.02	3.68	2.36	2.82	3.49	4.94	4.37	3.01	4.55	6.36	2.12	3.57	41.29
1926	4.69	4.37	3.79	2.98	4.44	5.01	3.07	1.61	3.58	3.90	3.52	1.70	42.66
1927	6.08	6.16	3.90	2.98	3.61	1.67	1.60	5.05	3.75	6.93	5.09	2.05	49.07
1928	5.84	7.25	5.64	2.13	2.89	1.89	5.14	3.99	7.08	7.04	9.43	5.07	63.59
1929	1.09	2.29	1.09	3.70	3.89	3.39	6.10	5.54	4.38	1.01	2.57	2.41	37.54
1930	3.16	2.80	3.60	2.39	1.70	4.65	1.76	4.58	3.66	5.62	2.70	2.07	38.69
1931	2.69	3.32	1.35	2.40	1.98	3.92	3.43	6.58	4.56	2.42	5.14	2.75	40.43
1932	3.94	1.46	5.85	4.56	2.22	4.67	2.62	2.89	1.43	5.13	3.56	5.47	41.84
1933	4.55	5.93	2.05	2.52	3.36	5.21	6.26	1.90	2.38	3.70	8.12	8.02	54.61
1934	5.02	1.18	3.78	3.06	2.47	4.09	4.63	4.47	6.19	3.51	3.06	10.78	52.46
1935	2.47	3.68	2.68	4.77	2.78	1.94	2.99	2.11	5.42	4.60	1.43	6.14	41.21

PRECIPITATION RECORDS

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WARWICK, MASS. (a)—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	1.66	4.93	1.05	6.53	2.68	8.66	4.43	2.02	3.37	3.97	6.21	2.44	47.95
1887	3.82	2.42	6.22	5.62	1.87	3.98	4.68	5.76	8.05	1.91	3.22	4.58	52.24
1888	5.46	8.84	2.32	4.93	2.14	1.81	2.61	4.15	8.24	7.22	2.82	14.13	62.67
1889	2.87	3.11	3.65	2.81	3.06	3.50	4.37	1.50	3.55	2.97	5.87	3.04	40.50
1890	4.89	.86	3.47	2.50	2.74	5.11	5.63	6.13	4.30	3.55	2.35	3.67	45.20
1941	1.37	6.44	3.47	2.11	1.83	1.83	.75	2.66	4.66	5.63	5.21	1.12	37.08
1942	2.75	3.55	3.57	3.00	1.45	6.22	1.49	3.73	5.19	6.57	2.31	4.10	43.93
1943	3.88	5.47	5.23	2.36	1.84	3.11	3.69	6.63	2.37	3.68	3.51	3.54	45.31
1944	6.25	6.10	.55	1.43	2.29	4.16	3.43	1.09	7.03	6.46	1.27	7.95	48.01
1945	2.60	3.71	2.35	3.40	3.64	1.98	7.16	8.05	7.48	8.19	3.38	3.23	55.17

WASHINGTON, MASS. (b)
Lat. 42°22', Long. 73°08'

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	1.79	3.18	3.88	4.54	6.91	3.77	2.81	-	3.79	-
1941	1.68	5.28	2.80	1.27	2.07	1.05	.70	2.65	4.38	4.81	3.66	3.27	33.62
1942	3.79	3.09	3.92	2.55	1.54	6.29	1.52	4.17	3.20	7.21	4.36	4.85	46.52
1943	3.25	6.46	4.33	2.08	1.54	2.48	3.72	6.43	2.80	5.66	2.58	1.31	42.64
1944	4.39	6.01	.95	1.40	2.11	4.12	3.43	1.59	3.94	3.40	1.48	4.39	37.21
1945	1.28	3.57	2.69	3.00	2.89	2.55	4.22	-	4.10	6.92	4.28	2.81	-

WATERTOWN, MASS. (U. S. Arsenal)
Elevation, 25 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	-	-	-	-	-	-	-	-	4.26	2.45	1.11	0.99	-
1887	2.87	4.45	4.69	2.46	2.95	2.56	3.43	5.92	4.34	1.84	2.13	.51	38.15
1888	1.71	1.74	2.47	3.16	2.18	2.18	2.75	3.85	4.90	2.07	4.94	7.74	39.69
1889	4.90	4.30	1.02	1.03	2.59	1.24	6.86	4.73	2.74	4.50	4.63	1.96	40.80
1890	2.26	2.07	8.48	2.91	2.76	3.76	5.18	2.48	2.82	2.84	5.10	2.62	46.28
1941	4.19	8.96	4.46	2.86	1.46	3.17	-	-	-	2.01	6.05	4.29	-
1942	3.21	3.95	4.19	1.96	6.74	5.41	3.60	1.86	4.50	2.58	8.00	1.12	47.12
1943	5.80	3.39	3.45	3.51	1.64	4.78	.38	3.67	1.69	2.79	2.30	4.72	39.12
1945	5.86	3.05	-	-	-	-	-	-	-	-	-	-	-

WEBSTER, MASS. (Blater & Sons Mill) (a)
Lat. 42°03'10", Long. 71°52'55". Elevation, 450 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1890	-	-	-	2.84	2.50	3.52	3.42	1.79	3.30	7.94	4.03	1.59	-
1891	2.95	1.98	1.77	3.94	4.19	5.28	1.29	4.15	4.04	3.39	1.69	1.43	36.10
1892	2.27	4.64	3.90	5.07	4.50	3.03	2.09	4.40	1.81	.95	1.60	9.09	43.35
1893	2.18	1.53	2.46	3.00	4.87	2.17	1.24	4.08	3.23	2.14	1.69	2.10	30.69
1894	5.20	1.60	3.24	5.25	6.52	4.92	4.43	4.02	3.85	3.78	3.48	.92	47.21
1895	2.42	2.87	5.82	4.15	4.42	1.14	2.15	3.40	1.84	1.61	5.87	1.64	37.13
1896	3.97	4.50	3.07	5.47	6.45	3.22	2.09	3.19	1.66	5.00	5.23	3.05	46.90
1897	2.31	4.54	5.02	5.18	5.58	5.22	5.13	1.89	2.78	7.90	5.48	1.09	52.12
1898	2.62	2.71	4.35	3.13	3.74	8.30	2.77	4.61	2.43	1.79	4.33	8.36	49.64
1899	6.03	5.45	5.28	4.76	1.89	1.97	3.40	3.25	2.65	10.53	3.61	3.44	52.42
1890	4.91	5.29	2.21	2.20	3.11	7.19	2.89	5.50	3.14	5.10	4.08	4.55	48.17
1891	7.80	1.05	4.99	8.96	5.44	4.94	3.22	1.77	2.95	3.85	4.43	2.13	51.43
1892	2.85	2.72	3.67	5.36	1.92	3.45	.56	5.86	3.09	3.55	5.48	1.81	40.32
1893	1.20	5.98	1.33	2.52	6.96	3.69	3.43	5.02	2.05	.70	3.66	2.70	39.24
1894	4.23	2.10	4.28	3.01	3.85	1.40	3.83	3.97	.59	1.67	2.01	1.96	32.90
1895	3.32	4.16	4.28	4.19	1.17	3.11	4.09	2.42	3.01	5.07	3.17	3.37	41.36
1896	8.28	5.95	2.97	2.01	6.38	5.07	1.43	1.92	3.19	3.33	2.60	7.20	50.53
1897	2.88	2.61	1.86	5.28	2.49	3.44	2.20	3.95	2.63	6.53	4.10	2.26	38.54
1898	1.00	6.17	5.03	4.05	4.42	2.56	3.69	3.08	7.20	4.85	2.75	.47	47.71
1899	5.82	7.10	2.28	4.15	4.44	6.84	1.98	1.50	3.55	3.69	1.87	3.72	46.89
1900	1.24	2.05	1.66	4.18	6.95	5.61	2.07	4.69	4.52	3.85	1.59	1.61	39.82
1901	3.62	5.08	2.15	1.08	1.05	5.02	6.36	6.00	1.13	3.90	4.84	3.96	44.19
1902	3.32	2.57	9.43	2.20	5.20	5.23	3.14	1.30	3.54	4.12	3.22	5.11	48.38
1903	5.40	1.15	6.03	3.66	4.46	7.01	2.85	.90	7.93	3.18	4.67	1.98	49.22
1904	3.57	1.88	3.37	3.34	2.57	3.64	6.81	2.47	2.62	2.13	5.09	4.74	42.03
1905	1.83	1.67	2.79	3.83	1.72	3.15	2.95	1.08	3.88	1.00	4.47	6.60	34.97
1906	1.86	2.63	4.14	2.82	2.92	5.40	2.95	6.49	3.20	4.88	1.97	2.67	41.93
1907	4.49	1.85	4.11	2.91	1.85	2.08	3.16	3.44	3.74	2.19	.75	8.65	39.22
1908	4.72	6.02	4.89	2.00	2.96	4.54	3.34	4.03	2.80	3.60	8.33	1.16	48.39
1909	2.25	.97	3.30	3.13	5.90	3.32	5.03	2.48	2.11	1.85	1.91	5.06	37.59
1910	1.01	2.34	3.82	5.44	3.80	1.48	3.10	1.79	4.14	1.46	1.84	1.86	32.08
1911	1.58	3.80	2.07	2.87	2.65	3.55	2.96	.42	1.51	3.28	6.00	4.51	35.20
1912	3.93	4.60	3.44	1.62	2.98	7.51	4.92	4.42	.50	4.05	3.38	1.41	42.76
1913	1.85	3.44	5.21	2.62	5.00	6.27	4.74	2.84	2.36	1.67	4.73	4.14	45.07
1914	6.35	1.62	4.15	3.41	2.49	5.02	3.80	3.41	1.85	2.87	2.30	.35	38.82
1915	2.00	2.52	2.71	6.75	4.99	.10	1.64	3.40	1.84	6.59	6.44	1.48	40.46
1916	2.47	2.13	4.88	1.64	5.15	3.12	3.61	3.52	5.70	4.47	1.80	2.97	41.46
1917	1.99	1.65	3.24	2.91	3.95	3.88	1.72	3.73	4.76	1.61	6.75	1.56	37.75
1918	4.77	.59	2.49	2.87	3.34	2.43	4.28	1.67	4.54	2.40	2.45	10.70	42.53
1919	1.30	2.74	2.93	4.07	3.49	5.34	3.70	4.39	3.38	3.16	4.90	5.59	44.99
1920	2.33	5.37	2.76	3.25	4.73	4.55	5.96	5.04	6.96	2.63	2.36	5.03	50.97

HYDROLOGY OF MASSACHUSETTS

WEBSTER, MASS. (Slater & Sons Mill) (a) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	1.17	5.37	6.04	3.17	4.15	2.73	3.83	4.07	3.17	6.94	2.15	2.11	44.90
1922	1.32	7.57	2.06	1.42	2.94	5.52	2.58	3.60	3.68	4.37	4.66	4.43	49.15
1923	2.58	1.89	3.10	5.58	1.86	3.34	6.15	1.20	8.55	3.85	2.72	3.15	41.47
1924	4.87	3.68	5.91	3.85	2.27	2.08	4.95	3.48	2.11	.95	5.69	4.46	44.28
1925	.17	2.45	1.90	3.35	2.20	5.13	2.43	2.55	4.20	6.14	2.93	2.69	36.14
1926	4.07	2.90	3.28	2.69	5.14	3.10	2.54	2.22	2.21	5.87	3.91	2.09	40.02
1927	3.81	5.47	3.65	2.99	3.70	1.91	2.38	3.68	2.60	3.06	6.68	2.15	42.21
1928	5.80	6.07	5.68	2.60	4.29	2.09	4.88	1.80	5.55	4.83	4.12	2.73	50.22
1929	2.56	1.95	2.26	4.35	3.12	3.35	7.11	4.43	1.61	*9.99	*1.96	*1.77	*35.46
1930	2.66	2.83	3.54	2.49	2.33	2.90	1.45	2.26	1.92	2.91	2.26	1.85	29.40
1931	2.87	3.63	3.12	2.92	2.28	5.00	2.85	3.97	6.91	2.03	5.78	1.47	42.83
1932	2.20	.65	3.40	4.66	2.29	4.57	1.96	1.65	1.98	2.64	5.81	8.56	40.37
1933	5.40	4.74	1.74	1.89	3.84	4.55	5.18	3.08	2.05	2.86	4.34	9.88	49.55
1934	2.98	1.28	3.19	3.34	2.78	2.44	3.90	4.73	5.44	2.83	2.31	7.01	42.23
1935	2.94	2.03	4.07	5.03	2.43	1.75	2.64	1.91	7.96	3.04	1.17	3.23	38.20
1936	.33	3.77	.76	3.34	2.73	10.73	3.28	3.11	1.63	1.62	5.81	4.27	*46.38
1937	3.70	1.46	7.83	5.20	1.71	2.94	3.90	2.66	3.75	2.36	5.94	4.26	45.71
1938	4.62	7.23	2.71	4.19	2.15	2.32	2.34	3.88	7.14	9.68	3.50	12.96	62.70
1939	1.66	2.45	3.19	2.86	4.02	3.65	4.17	.61	3.45	1.42	6.96	3.01	37.45
1940	4.74	.89	3.44	2.55	3.60	3.75	4.91	4.64	3.18	4.42	1.20	3.17	40.49
1941	1.62	6.27	2.24	2.23	2.01	1.86	1.20	3.67	3.37	4.67	3.88	.58	33.60
1942	1.83	3.06	2.41	3.43	1.70	7.58	.74	2.23	2.89	4.23	2.46	1.74	34.30
1943	4.04	4.29	4.51	2.58	1.50	3.45	3.53	4.43	1.88	4.49	1.02	.43	36.15
1944	4.99	4.78	1.03	1.10	2.39	4.75	4.80	1.15	4.86	2.02	1.06	6.88	41.61
1945	1.69	5.63	3.12	2.72	3.40	1.62	4.18	5.63	5.32	2.46	2.48	1.07	39.29

WELLESLEY, MASS. (Wellesley College)
Lat. 42°18', Long. 71°18'. Elevation, 160 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	-	-	-	6.54	8.82	3.50	2.39	3.16	1.37	5.28	3.37	3.07	-
1887	3.08	4.55	5.33	7.10	5.33	5.06	3.86	1.82	3.92	5.25	3.51	1.36	49.67
1888	2.88	1.98	4.08	4.41	3.72	6.41	2.96	2.14	1.06	4.17	6.72	9.05	49.58
1889	4.68	7.92	6.83	5.42	1.79	4.95	5.36	4.62	3.43	9.21	4.37	3.80	62.38
1890	4.03	6.39	2.68	2.50	2.82	8.20	2.86	5.69	2.06	1.88	2.69	7.62	49.42
1891	9.95	1.24	2.74	4.98	6.45	4.80	3.51	1.63	2.56	3.54	5.38	3.26	50.04
1892	5.47	2.71	3.53	3.60	2.95	2.87	.88	4.68	2.96	3.85	5.87	2.57	39.69
1893	1.71	5.13	1.11	2.72	5.65	3.74	3.75	5.72	2.03	1.97	6.19	1.88	41.65
1894	3.39	2.21	4.66	4.39	4.97	1.24	3.89	4.06	-	-	-	-	-
1895	-	4.07	3.12	3.99	-	-	-	-	-	-	-	-	-

WENDELL, MASS. (a)
Lat. 42°33'00", Long. 72°23'50". Elevation, 1,200 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	*2.39	6.00	2.55	2.48	5.48	4.17	5.28	3.62	5.73	1.67	5.15	8.12	*52.64
1921	1.27	4.26	5.69	1.98	2.02	3.05	9.55	3.69	3.13	3.85	3.22	3.34	45.05
1922	2.22	7.27	2.02	1.41	2.77	4.75	2.75	4.90	18.47	5.25	4.49	4.63	55.95
1923	2.64	2.17	3.17	6.67	1.71	2.80	4.05	3.04	2.73	2.21	3.18	1.73	35.60
1924	6.71	3.75	4.98	3.77	2.68	1.32	4.95	4.30	1.70	2.44	2.88	6.61	46.09
1925	.00	2.95	1.92	2.37	3.34	4.09	3.58	2.45	4.97	6.16	2.70	5.16	39.69
1926	4.04	4.82	2.67	3.17	3.43	3.62	2.81	1.18	3.28	3.84	2.80	1.63	37.29
1927	5.33	6.48	2.70	1.84	3.29	1.03	1.69	4.61	4.03	6.37	8.02	2.25	47.64
1928	5.27	9.38	4.68	3.64	2.78	2.55	4.98	3.02	7.05	6.72	8.03	5.10	65.20
1929	1.88	2.71	.97	4.41	3.75	2.68	6.79	5.25	3.37	1.00	1.67	4.78	38.96
1930	3.34	3.17	3.16	1.68	1.54	4.34	1.64	4.80	4.30	5.19	1.80	2.33	37.29
1931	1.89	3.60	1.11	2.55	1.89	3.41	3.26	5.99	5.35	3.18	5.47	2.53	40.23
1932	5.41	1.70	3.32	3.45	2.04	3.21	3.03	2.48	1.85	5.65	4.15	4.63	40.92
1933	5.25	6.79	1.70	2.58	4.21	5.72	5.42	3.08	2.59	2.24	9.29	8.78	57.65
1934	4.89	1.05	3.23	3.32	2.25	4.46	5.05	4.31	5.86	2.54	3.00	10.71	50.67
1935	3.00	4.46	3.59	4.34	2.55	1.62	3.11	3.11	6.28	2.29	.88	4.83	40.06
1936	1.62	4.69	1.93	6.89	2.74	8.42	5.80	1.67	4.55	3.15	5.95	4.70	52.11
1937	3.42	2.35	6.46	5.63	2.75	3.55	6.75	6.10	6.75	3.25	5.13	6.44	58.60
1938	5.79	7.07	3.20	5.51	2.15	2.17	3.16	4.76	8.51	7.18	8.91	14.25	67.66
1939	2.68	3.56	4.02	2.96	3.85	4.52	4.74	1.78	3.78	2.27	5.05	2.69	39.85
1940	5.00	1.10	3.58	2.84	3.17	5.65	5.69	6.86	3.42	4.46	2.31	2.72	47.20
1941	1.34	6.32	3.88	2.59	1.82	2.19	1.00	2.41	4.48	5.85	3.20	.95	36.03
1942	2.44	3.52	4.47	3.83	1.99	7.47	1.31	2.62	4.45	5.41	2.21	4.02	43.74
1943	4.06	5.34	5.95	2.79	1.59	3.93	3.54	6.87	2.14	4.65	2.39	2.54	45.59
1944	4.22	6.25	.61	1.54	2.83	4.99	3.75	1.51	6.73	5.97	1.38	6.65	46.23
1945	2.13	4.21	2.79	3.70	4.32	2.12	6.27	7.14	6.64	9.34	2.55	3.78	54.99

PRECIPITATION RECORDS

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WESTBOROUGH, MASS.
Lat. 42°16'30", Long. 71°36'30". Elevation, 298 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1875	-	-	-	1.95	4.05	4.55	2.85	3.00	5.12	3.88	4.13	2.49	-
1876	4.75	3.50	0.50	1.40	3.75	8.85	4.42	2.95	2.47	8.50	1.92	4.68	45.89
1877	2.20	5.13	3.10	3.37	3.89	8.79	3.16	3.45	1.67	3.33	3.99	.25	39.33
1878	8.37	5.79	.77	5.40	6.12	4.49	5.28	.99	3.53	2.95	6.14	1.15	50.98
1879	8.19	6.97	6.12	2.53	3.31	5.21	4.99	1.27	4.18	3.81	6.57	1.88	53.03
1880	.76	2.54	4.04	4.06	3.52	3.17	2.78	1.58	2.08	8.80	3.44	1.72	38.47
1881	3.68	1.57	2.85	5.45	5.12	5.69	2.07	3.67	4.75	2.07	1.45	2.47	40.84
1882	3.12	3.85	4.10	4.43	7.32	2.36	1.84	5.10	1.46	1.62	1.37	8.12	44.69
1883	1.77	1.12	2.85	2.77	4.12	1.87	1.71	4.54	2.78	2.60	.93	1.38	27.94
1884	5.54	1.72	3.85	5.25	7.12	5.11	4.29	3.86	3.75	3.58	3.16	1.13	47.96
1885	2.38	2.95	5.49	4.47	4.34	1.05	3.52	2.98	3.28	1.58	7.19	1.34	40.50
1886	4.48	8.14	3.07	5.74	8.28	3.63	2.40	3.01	1.63	3.38	2.16	2.76	44.68
1887	2.98	4.82	4.08	4.85	4.49	4.35	3.36	1.27	2.68	3.71	5.94	1.35	44.08
1888	2.80	2.70	3.85	3.82	3.68	5.77	2.27	5.15	2.27	.97	5.93	8.18	46.87
1889	4.89	6.31	4.98	5.38	1.63	2.03	3.47	1.84	2.18	8.54	3.86	4.34	49.25
1890	4.12	6.30	2.76	2.42	3.62	6.82	2.62	4.41	1.78	2.43	3.53	3.92	44.71
1891	10.85	1.07	4.17	8.05	4.21	5.89	2.63	1.85	3.14	2.87	3.02	2.62	48.37
1892	2.95	2.80	3.25	5.04	2.46	3.46	.70	5.59	2.81	2.84	6.40	1.96	39.56
1893	.90	6.15	1.18	2.40	6.98	3.70	3.59	6.82	2.11	2.15	4.27	1.86	41.89
1894	4.05	2.02	4.59	3.10	3.64	1.40	3.48	4.46	1.02	3.59	6.09	2.20	39.62
1895	4.98	3.46	3.78	3.59	1.35	2.39	4.08	2.09	3.16	4.20	4.98	2.13	40.19
1896	9.79	6.79	2.60	2.15	4.20	6.13	1.29	2.50	3.34	2.41	3.15	7.74	52.09
1897	4.14	2.77	1.63	2.44	2.70	3.91	2.43	4.04	4.53	8.49	2.66	2.22	39.98
1898	.82	6.55	5.29	4.20	5.19	2.32	4.34	3.04	3.15	4.00	9.02	2.61	50.33
1899	8.27	5.95	2.24	4.79	3.32	6.21	1.82	1.34	3.25	2.50	1.47	4.04	43.30
1900	2.41	2.31	1.49	4.86	8.20	8.05	2.08	4.46	3.50	2.44	2.41	3.06	45.27
1901	3.99	8.41	2.79	1.78	1.00	5.77	8.25	6.93	2.17	6.37	4.82	3.35	53.63
1902	8.05	5.15	6.85	2.62	5.23	4.02	8.72	1.53	2.78	3.03	2.93	4.32	45.84
1903	4.70	1.42	3.41	3.48	3.64	6.85	2.38	1.97	10.37	2.66	3.84	2.89	49.78
1904	4.67	1.65	3.31	4.95	2.00	2.98	8.55	1.99	2.44	2.49	4.40	5.21	44.82
1905	1.37	1.80	8.05	3.67	1.70	3.35	2.94	1.22	6.20	3.79	2.98	6.97	39.04
1906	1.52	2.16	3.78	3.12	3.06	5.92	2.79	6.57	3.82	3.88	4.88	3.59	45.09
1907	3.81	2.96	3.75	3.41	2.59	1.83	3.23	3.74	3.80	2.13	.90	9.62	41.37
1908	4.43	8.41	4.81	4.06	5.85	4.01	2.11	5.28	.78	3.94	4.93	.98	47.87
1909	2.43	.99	2.72	3.89	8.01	3.92	5.04	2.78	1.92	1.85	3.15	4.74	39.22
1910	1.50	2.91	3.95	3.22	3.10	1.60	2.42	1.22	4.23	1.87	3.78	2.62	34.22
1911	1.51	4.56	2.17	2.78	3.56	3.15	2.85	1.35	3.15	2.92	4.42	2.84	35.24
1912	3.95	4.43	2.92	2.91	2.35	6.48	4.37	5.28	.49	2.49	2.89	1.22	39.78
1913	2.48	3.78	4.47	2.87	2.40	5.34	4.87	4.46	1.87	3.27	3.85	4.03	43.67
1914	6.90	2.75	2.30	2.50	4.94	5.80	5.08	3.32	2.23	5.78	4.31	.25	46.12
1915	1.65	3.00	3.08	3.83	4.12	3.07	3.51	3.92	4.09	11.43	6.08	1.46	46.22
1916	2.77	2.88	4.98	1.46	5.80	2.84	3.72	3.58	5.79	5.14	1.73	2.32	42.81
1917	1.66	2.04	3.00	1.97	2.77	2.18	2.04	4.93	4.33	1.11	7.42	1.36	34.81
1918	6.88	1.00	3.15	3.24	2.50	3.69	3.63	2.41	5.07	4.98	2.78	10.31	49.70
1919	1.19	3.19	3.21	3.88	3.43	5.26	3.39	5.93	2.54	4.15	3.81	6.03	45.79
1920	1.88	6.92	1.80	3.14	7.28	4.60	5.11	3.50	7.74	2.27	2.08	2.68	48.96
1921	3.44	6.80	5.10	2.43	4.80	2.21	2.80	6.29	.41	11.75	1.40	2.15	49.58
1922	1.31	9.84	2.32	2.20	3.68	3.56	3.52	3.98	10.10	2.62	4.92	3.78	53.61
1923	2.82	1.31	3.74	6.88	1.65	3.14	7.28	1.07	4.44	2.79	1.73	1.72	39.17
1924	6.55	6.81	4.20	4.99	3.15	2.29	4.83	3.93	1.67	3.93	5.68	4.21	52.24
1925	1.08	2.50	1.66	3.95	2.24	6.22	3.42	2.48	3.97	4.32	1.98	2.70	36.50
1926	4.29	3.32	5.40	-	-	-	-	-	-	-	-	-	-

WEST BROOKFIELD, MASS. (a)
Lat. 42°14'05", Long. 72°08'05". Elevation, 530 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1915	-	-	-	3.81	2.84	5.81	4.81	3.79	1.39	1.25	2.69	3.37	-
1916	6.05	3.35	1.95	2.84	3.88	3.79	4.05	3.25	2.58	2.84	4.49	.22	39.07
1917	1.78	2.07	3.01	5.78	3.58	.15	1.27	1.97	2.06	8.52	5.49	1.62	37.80
1918	2.85	2.78	3.91	1.78	5.08	2.77	3.15	3.84	6.16	7.27	2.97	3.77	48.11
1919	1.42	3.43	3.51	3.08	3.03	3.75	1.85	3.78	5.15	1.20	7.30	1.30	38.60
1920	8.88	1.95	1.02	2.49	4.29	2.01	3.15	1.38	4.96	5.00	3.25	6.18	42.34
1921	1.79	2.80	2.30	3.45	3.25	4.75	2.77	8.44	.48	8.30	3.36	9.00	48.49
1922	2.57	5.95	1.97	2.09	5.14	8.78	5.61	3.68	6.11	5.05	2.30	6.83	55.88
1923	.74	4.29	5.64	2.05	1.58	2.63	5.97	2.48	3.31	4.52	2.74	2.53	38.43
1924	2.20	5.88	2.47	1.15	2.49	5.32	2.03	4.35	5.41	7.03	4.79	5.17	46.24
1925	2.28	1.58	2.81	5.93	1.88	4.72	4.72	1.21	4.08	3.09	1.04	1.92	39.59
1926	4.21	4.17	4.17	3.88	2.03	.84	5.22	1.80	2.43	3.09	4.89	4.55	41.28
1927	.14	3.21	1.68	2.32	1.91	4.25	2.75	2.08	4.91	5.13	2.31	3.89	34.58
1928	4.39	1.74	2.39	1.89	4.15	4.21	2.17	1.53	1.13	3.53	2.50	1.57	31.20
1929	4.40	5.08	2.74	1.69	2.72	1.76	2.43	4.11	3.78	8.02	8.88	2.09	45.18
1930	4.52	7.03	4.85	2.04	2.97	1.05	2.78	2.43	5.94	5.19	5.16	3.97	47.91
1931	2.08	2.07	1.09	3.85	2.62	3.14	5.29	4.87	2.85	.85	2.83	4.37	35.21
1932	2.33	2.70	2.78	1.58	2.18	2.62	1.45	3.18	2.00	5.68	1.28	2.58	30.77
1933	2.61	2.33	1.55	2.55	2.08	3.96	2.13	4.44	4.26	2.98	8.74	1.43	39.06
1934	2.47	.78	3.39	3.32	2.58	2.65	1.57	*1.35	3.20	2.68	4.77	*3.32	32.21
1935	3.74	*3.67	1.51	1.31	3.47	4.94	4.43	2.52	5.17	2.73	3.53	9.81	*46.83
1936	3.86	1.47	2.80	2.98	2.19	2.74	3.01	4.39	3.48	1.22	2.57	10.14	40.85
1937	2.52	2.08	2.02	5.08	3.87	1.85	2.27	2.60	4.74	1.56	.57	3.48	32.40

WEST BROOKFIELD, MASS. (a)—Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1926	.87	3.40	1.18	5.14	2.07	10.95	3.93	3.94	3.58	2.98	4.04	6.04	48.12
1927	1.76	1.45	6.19	3.74	1.44	2.15	3.30	3.70	4.78	3.55	5.74	4.74	40.82
1928	4.13	6.84	2.22	3.69	2.10	2.32	2.80	3.85	7.62	8.32	2.51	16.45	65.55
1929	1.82	2.83	2.77	1.95	3.84	2.81	3.48	1.86	2.66	1.81	3.51	1.59	30.88
1940	5.57	.63	3.15	.57	2.44	4.70	5.69	4.54	1.57	3.35	1.89	1.86	35.96
1941	1.24	5.51	2.30	1.87	2.20	1.08	.65	1.73	1.71	6.34	3.97	.76	29.36
1942	2.05	2.38	2.65	3.45	1.33	6.08	.68	3.25	3.97	4.13	2.82	2.76	35.55
1943	3.42	4.88	4.77	2.36	.98	2.82	3.04	6.07	3.10	6.02	1.54	.73	39.73
1944	6.25	4.58	.80	1.50	2.21	4.57	3.85	1.81	6.55	1.95	1.78	5.65	41.50
1945	1.79	3.81	2.78	3.18	3.62	1.63	5.31	4.69	6.21	6.28	3.19	2.17	44.16

WESTFIELD, MASS. (State Sanatorium) (a)
Lat. 42°06'50", Long. 72°42'00". Elevation, 210 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1920	-	-	-	2.34	1.24	4.30	2.02	4.77	6.34	4.15	2.51	1.59	-
1921	1.94	3.85	2.30	4.08	2.48	5.23	2.91	6.33	7.12	3.90	4.78	.69	45.61
1922	1.44	1.68	2.99	4.35	3.06	4.62	1.24	1.45	5.84	4.26	3.02	3.30	37.25
1923	6.15	8.23	1.77	2.71	4.22	5.92	5.80	1.84	2.22	2.11	5.90	7.52	54.40
1924	3.08	.86	3.88	4.23	3.09	2.42	6.23	3.89	5.88	2.62	5.90	12.41	54.49
1925	2.40	4.22	3.20	5.86	3.42	2.01	2.11	2.17	5.17	2.32	.76	3.82	38.46
1926	.53	3.60	.91	6.62	3.22	8.55	4.49	3.25	4.10	1.41	5.12	2.63	44.21
1927	5.00	1.99	6.46	5.35	3.05	4.14	3.77	5.21	4.84	6.45	5.79	3.74	56.77
1928	5.15	6.33	3.13	6.69	2.68	2.33	3.42	4.47	8.54	10.06	2.79	12.34	67.93
1929	3.02	2.59	4.37	2.98	4.06	2.89	4.06	1.03	2.68	1.27	5.64	3.14	39.73
1940	3.89	1.20	3.11	3.30	3.15	4.90	5.81	6.26	2.82	2.41	1.88	2.00	40.83
1941	1.26	6.15	2.52	2.38	3.32	1.82	1.07	2.61	4.95	6.63	3.58	.73	37.02
1942	1.56	3.39	4.10	3.89	2.19	6.19	.75	3.99	4.69	5.65	2.89	4.73	44.02
1943	4.46	5.75	6.35	2.90	1.40	3.28	3.44	5.19	3.23	5.79	.71	1.55	44.05
1944	6.04	5.00	.60	1.54	1.98	4.52	4.71	1.68	4.40	1.92	1.18	7.22	40.79
1945	1.86	5.01	3.59	3.12	3.52	2.13	5.63	6.87	6.24	6.26	4.89	2.25	51.87

WESTFIELD, MASS. (Water Works) (a)
Lat. 42°07'40", Long. 72°45'00". Elevation, 150 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1918	-	-	-	4.23	2.18	3.28	2.46	2.42	3.99	2.19	2.96	7.56	-
1919	1.43	2.76	3.99	2.30	3.36	6.65	2.60	7.42	2.06	4.43	2.45	4.71	44.16
1920	1.80	6.45	2.19	2.65	4.80	4.19	5.59	3.41	7.68	4.04	8.32	6.56	57.68
1921	1.88	6.20	6.30	2.50	3.79	3.13	4.13	2.74	2.22	5.17	2.94	1.60	42.60
1922	1.45	7.07	2.12	2.26	2.56	5.06	3.32	5.65	6.47	6.81	4.25	2.28	49.30
1923	2.90	.86	4.29	7.75	2.00	2.77	3.94	2.94	3.62	2.35	2.34	2.22	37.98
1924	6.78	4.70	5.04	5.06	2.81	1.06	7.40	4.04	2.10	1.67	4.08	4.80	49.54
1925	.04	3.05	2.10	3.75	3.60	4.87	6.58	2.85	4.11	5.49	1.22	2.77	36.45
1926	4.05	3.54	3.03	2.89	5.22	3.94	2.74	2.04	1.54	4.58	4.42	1.83	39.82
1927	5.49	5.61	3.24	2.45	3.83	1.64	2.02	4.48	4.83	6.19	7.81	2.42	50.01
1928	5.40	7.55	5.54	2.85	3.92	2.66	5.47	2.26	6.27	6.88	8.59	3.16	60.52
1929	.79	2.32	1.00	4.58	4.32	3.10	7.93	4.33	1.19	.52	2.14	2.20	34.42
1930	4.68	2.92	3.84	2.15	1.64	4.39	1.89	4.66	5.40	5.54	2.03	2.21	41.35
1931	1.78	4.71	1.81	3.63	2.04	4.77	2.85	7.25	5.28	5.45	4.43	1.33	45.13
1932	2.38	1.50	3.27	4.81	2.94	5.33	1.86	2.05	5.81	5.60	3.05	3.31	41.91
1933	5.57	8.25	1.56	2.44	3.75	6.79	5.29	2.05	2.95	1.93	8.33	8.97	57.88
1934	3.06	.96	3.94	3.64	3.29	4.65	4.61	4.78	6.43	2.08	5.65	15.00	56.25
1935	2.83	3.77	3.67	5.10	3.02	1.89	2.13	2.28	5.09	4.23	.67	5.19	39.81
1936	.85	4.55	.98	6.50	2.94	9.42	4.11	2.31	3.80	.94	4.18	4.19	44.75
1937	2.95	1.80	6.06	5.54	2.42	3.95	4.55	5.69	5.44	2.40	4.45	4.08	49.33
1938	4.70	6.29	2.61	5.89	2.05	1.91	2.62	4.13	8.46	9.99	2.58	10.42	61.65
1939	2.37	3.83	4.03	2.95	3.93	4.90	4.32	.91	3.29	1.77	6.87	3.45	42.62
1940	4.24	1.56	2.97	2.26	4.10	5.39	6.22	7.01	2.66	2.48	2.15	1.98	45.02
1941	1.55	6.48	2.50	2.93	3.25	2.34	.99	2.79	7.00	7.55	3.26	.64	41.28
1942	1.89	3.53	4.26	4.12	2.51	6.55	.89	4.40	5.03	5.47	1.81	4.75	45.19
1943	4.79	5.73	7.03	3.82	1.67	5.11	3.39	5.23	3.74	5.52	1.15	1.88	49.09
1944	6.56	5.06	.69	1.70	2.59	5.29	4.15	.94	4.29	2.54	1.00	7.06	41.84
1945	1.92	5.89	4.11	3.80	4.35	2.31	5.33	6.83	7.47	7.30	4.72	2.82	56.85

WESTFIELD, MASS. (West Parish Filters, Springfield Water Works)
Lat. 42°07'05", Long. 72°50'05". Elevation, 475 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1906	-	-	-	2.45	1.40	5.61	4.26	4.81	2.69	4.86	3.74	3.12	-
1907	4.27	4.41	2.95	3.12	2.35	1.10	2.66	4.44	5.64	2.86	1.50	11.08	45.58
1908	7.11	6.14	5.60	1.79	5.67	1.92	4.08	6.67	3.43	5.13	4.42	1.43	53.39
1909	2.25	.40	3.45	4.67	5.42	3.40	6.87	2.87	2.30	2.15	5.54	4.08	45.18
1910	1.16	2.87	4.84	7.37	6.26	.51	1.80	2.60	4.35	1.50	3.46	3.75	39.77
1911	.95	4.58	1.73	2.09	2.24	4.05	2.70	1.42	3.36	3.01	6.24	4.68	37.05
1912	9.90	3.27	3.62	2.30	2.99	5.69	5.63	4.48	.71	2.71	4.26	3.37	48.93
1913	5.57	4.42	4.43	3.75	2.24	6.24	3.55	5.37	1.01	1.38	3.13	3.59	44.48
1914	9.09	3.89	3.06	3.56	4.07	5.87	6.27	2.95	2.88	3.13	2.54	.24	47.55
1915	3.08	3.55	3.66	7.52	4.80	.27	3.38	2.06	4.20	5.23	8.22	2.05	48.04

HYDROLOGY OF MASSACHUSETTS

WESTMINSTER, MASS. (Wachusett Lake, Fitchburg Water Works)
Lat. 42°51', Long. 71°53'. Elevation, 880 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1915	-	-	4.47	6.70	3.81	0.04	1.98	1.67	1.47	12.01	9.49	1.85	-
1916	3.25	3.66	6.83	1.25	6.35	3.09	4.14	4.29	7.25	4.86	2.19	4.09	51.45
1917	1.41	3.09	2.58	2.86	2.99	4.61	1.36	5.63	4.84	.95	1.67	2.54	34.53
1918	7.26	.93	4.99	3.94	5.42	3.05	2.84	3.99	5.20	2.78	2.56	8.11	49.07
1919	1.59	2.78	2.13	3.61	2.73	5.95	2.23	7.51	1.10	4.02	3.38	7.79	44.82
1920	2.68	6.87	1.74	2.43	6.28	4.58	6.65	3.47	5.45	3.40	2.32	6.53	52.40
1921	.85	6.44	5.82	2.39	3.85	2.79	5.26	6.02	4.37	8.50	2.23	2.73	51.25
1922	2.20	7.57	2.21	2.29	3.18	4.98	3.66	6.66	9.35	5.00	5.92	3.65	58.67
1923	2.68	1.88	3.48	8.03	2.27	2.60	4.73	.38	2.76	2.31	1.92	2.12	35.16
1924	5.57	5.64	4.63	4.42	2.85	2.46	7.39	3.88	1.20	2.40	3.91	4.66	49.03
1925	T	3.57	2.21	3.43	2.44	6.21	3.22	2.35	4.53	4.48	3.85	4.18	40.47
1926	4.44	4.57	4.88	2.06	5.51	3.13	2.46	1.85	2.45	2.90	2.46	1.10	37.81
1927	5.18	5.94	2.92	4.23	3.85	1.45	1.51	3.50	2.70	5.75	7.72	4.09	48.84
1928	4.41	7.55	6.22	2.72	3.55	2.13	8.03	2.87	7.13	5.65	5.10	3.93	57.29
1929	1.50	1.43	1.74	1.74	4.59	2.92	7.04	4.51	8.04	1.88	2.20	1.95	34.02
1930	3.58	2.85	3.01	2.06	1.84	3.89	2.30	2.90	3.53	3.09	1.78	1.76	32.59
1931	3.22	4.26	2.16	3.54	3.12	6.13	3.10	3.30	6.76	3.15	8.09	2.56	49.19
1932	2.57	1.63	3.79	5.33	2.57	5.08	2.85	1.25	1.94	4.21	3.67	7.86	42.75
1933	8.97	5.38	2.09	2.43	2.54	7.55	8.53	2.60	1.63	3.20	5.47	10.11	60.50
1934	4.42	1.36	3.80	3.86	3.09	2.85	6.28	4.61	7.09	1.30	2.18	10.84	51.68
1935	2.46	2.21	4.28	6.08	2.99	1.59	3.44	2.90	5.74	4.61	3.68	4.89	42.57
1936	1.80	4.34	.94	-	-	-	-	-	-	-	-	-	-

WESTON, MASS. (Stony Brook Reservoir, Cambridge Water Works)
Lat. 42°21'20", Long. 71°15'45". Elevation, 60 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1890	-	-	-	3.01	2.86	7.43	3.73	5.65	2.33	2.66	4.43	5.78	-
1891	8.89	1.28	5.17	6.14	4.47	6.18	2.89	1.70	4.39	3.21	5.60	2.93	52.85
1892	5.86	2.57	3.48	2.45	4.08	3.91	5.35	3.91	2.16	5.27	1.99	40.72	
1893	1.58	5.20	1.11	2.35	6.19	3.02	3.18	4.71	2.25	2.95	6.89	1.73	41.26
1894	3.15	1.99	5.26	3.63	3.46	1.07	3.20	3.66	.47	3.27	1.33	2.17	32.66
1895	5.25	2.89	4.58	4.08	1.33	2.84	4.63	2.07	4.11	3.83	4.33	2.28	42.22
1896	6.42	7.22	2.58	2.34	5.96	5.47	1.79	2.03	2.68	2.87	2.79	6.81	50.96
1897	3.18	3.27	1.58	4.38	2.41	3.50	2.72	4.50	5.48	4.70	4.76	2.41	42.89
1898	.39	6.22	4.51	4.28	4.98	2.11	5.37	3.46	1.88	4.29	6.62	1.90	46.01
1899	7.11	6.58	3.10	4.43	4.83	8.78	1.49	1.06	3.10	3.03	3.66	5.25	52.42
1900	1.79	4.44	2.04	5.41	10.31	5.55	2.08	4.86	2.98	2.66	2.25	4.65	49.22
1901	3.63	4.87	2.52	1.42	1.17	6.71	6.68	7.56	1.13	5.44	4.87	4.01	49.61
1902	2.68	2.78	7.38	1.88	4.12	6.38	3.94	1.30	2.32	3.84	3.56	4.32	44.50
1903	4.48	1.06	5.68	3.77	4.01	6.13	3.37	.80	7.45	3.38	3.66	1.99	45.78
1904	4.19	1.44	2.59	4.46	3.08	2.60	9.48	2.51	2.64	2.01	2.87	5.70	43.57
1905	1.67	1.57	2.94	5.33	1.62	3.46	2.48	1.59	5.38	1.89	3.11	7.09	38.13
1906	1.24	2.27	3.42	2.56	2.83	6.16	2.39	4.52	2.18	4.87	2.33	2.71	37.48
1907	2.86	2.91	4.51	3.06	1.98	2.02	3.49	3.55	2.52	1.64	1.58	8.36	38.48
1908	3.52	6.09	3.84	3.53	4.83	3.67	1.48	4.28	1.25	5.56	3.97	.87	40.68
1909	2.61	1.05	2.50	4.21	5.14	3.95	4.00	1.88	3.08	1.61	2.85	5.12	39.10
1910	1.20	3.44	4.26	4.98	3.88	1.53	2.32	1.05	4.25	2.20	1.18	2.88	33.17
1911	1.58	4.21	2.26	2.32	2.97	3.44	2.51	.63	4.12	4.29	5.68	3.82	37.83
1912	2.88	4.54	3.85	2.70	2.81	6.00	4.16	5.05	.26	4.27	2.84	1.88	41.04
1913	2.56	3.16	5.26	2.76	3.50	5.52	4.24	4.11	.87	3.05	4.12	3.72	42.87
1914	5.98	2.31	2.99	3.43	3.34	4.97	5.37	2.89	1.79	2.50	4.49	.17	40.03
1915	1.69	2.50	3.41	6.23	3.24	T	3.07	1.62	1.89	9.54	5.69	1.03	39.91
1916	2.90	2.77	5.21	1.18	5.69	4.22	4.28	3.28	5.62	3.76	2.29	1.39	42.59
1917	1.28	1.98	3.24	3.56	2.15	4.52	2.70	4.93	4.47	.98	4.68	2.23	26.66
1918	6.00	1.20	2.62	3.00	3.71	2.14	4.07	1.29	2.86	3.30	1.29	9.39	40.87
1919	1.17	2.18	3.38	3.95	3.12	4.60	2.72	5.81	1.39	6.48	4.76	7.42	46.98
1920	2.24	5.94	2.06	3.32	5.30	3.90	5.54	3.40	7.00	1.75	2.12	4.61	47.18
1921	1.54	5.88	5.03	2.58	3.51	2.96	5.47	2.32	4.05	7.58	1.21	1.90	43.83
1922	1.23	7.67	2.52	1.57	3.20	5.43	1.59	5.17	10.40	4.02	4.96	.55	52.31
1923	2.95	1.12	2.82	6.78	2.03	3.40	5.07	1.03	2.63	3.54	2.20	.98	34.55
1924	4.23	4.99	5.02	3.65	2.51	1.74	5.53	3.67	2.15	2.72	5.37	7.15	48.75
1925	.13	2.17	1.69	4.95	2.07	6.14	2.72	2.23	4.57	4.14	1.24	3.12	35.17
1926	4.26	82.85	95.94	92.44	6.66	3.10	2.27	2.69	1.61	4.65	5.09	1.37	43.93
1927	4.41	4.56	5.00	2.30	4.12	1.43	1.81	3.34	2.80	4.39	8.89	2.95	46.00
1928	5.04	4.82	5.37	2.40	3.53	1.64	5.17	2.79	6.19	4.38	3.83	4.65	49.81
1929	4.56	2.07	2.64	3.51	3.91	2.75	7.58	2.97	3.97	.93	2.12	1.21	38.22
1930	3.03	3.15	3.90	2.60	2.26	3.28	2.19	3.23	2.31	4.00	2.63	.59	33.17
1931	5.21	4.20	2.48	4.61	3.44	5.95	3.41	3.98	8.41	3.05	4.91	1.46	51.11
1932	2.18	.99	3.54	4.55	2.53	5.67	1.44	1.15	2.18	2.22	5.38	6.87	38.50
1933	6.22	4.82	1.66	2.26	3.88	6.82	6.20	2.19	2.01	2.44	2.88	11.51	54.69
1934	4.17	1.00	3.95	4.07	3.18	3.35	4.42	2.47	4.16	1.99	2.27	6.87	41.90
1935	5.21	2.14	3.11	4.61	1.24	1.70	5.95	1.54	7.18	1.46	1.66	3.69	37.71
1936	.57	5.14	.97	5.54	5.57	7.54	3.23	2.26	2.35	1.76	5.15	3.77	43.85
1937	3.49	1.17	8.65	4.34	2.54	3.25	5.28	3.50	3.74	1.08	4.85	3.54	45.43
1938	6.08	6.05	4.02	4.94	3.26	2.77	3.44	4.42	5.74	12.12	3.35	7.15	60.94
1939	2.56	3.31	3.15	2.84	4.24	6.14	5.26	1.40	3.40	.71	4.80	1.51	39.32
1940	2.61	3.65	3.48	2.38	6.67	3.49	5.49	3.72	2.26	3.36	1.34	3.04	41.49
1941	1.05	6.73	3.44	4.33	1.72	4.19	1.43	2.13	4.43	2.54	2.19	1.32	35.50
1942	2.06	2.85	3.08	4.27	4.46	7.43	2.49	2.26	4.30	5.55	2.84	2.22	43.81
1943	3.41	5.69	6.32	4.26	1.34	6.09	3.13	4.51	2.48	3.73	1.25	1.47	43.78
1944	5.35	3.40	1.12	1.98	5.29	6.57	.29	.80	4.91	2.44	1.70	5.83	43.68
1945	3.32	6.50	3.96	2.20	7.05	2.18	2.98	5.42	8.84	3.79	3.70	2.35	52.09

PRECIPITATION RECORDS

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WESTON, MASS.
Elevation, 120 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1896	-	-	-	-	-	-	-	-	-	-	2.41	7.15	-
1897	2.90	2.91	1.30	4.29	2.69	3.35	2.64	4.39	5.12	4.36	4.45	2.76	41.16
1898	.39	6.32	3.99	5.19	4.74	1.99	5.41	3.50	1.78	5.23	7.15	2.47	98.26
1899	7.15	6.06	3.10	4.30	3.75	6.69	1.50	1.18	3.35	2.98	2.54	4.84	47.44
1900	2.11	2.59	1.51	4.42	8.17	5.20	2.23	4.97	2.67	2.63	2.52	4.92	42.94
1901	3.71	4.66	2.60	1.49	1.61	6.30	7.02	8.28	1.12	5.76	3.87	3.20	49.62
1902	2.78	2.76	7.81	2.06	5.56	5.35	3.76	1.59	2.52	4.28	4.12	4.85	47.42
1903	4.37	.92	6.43	3.78	4.26	6.30	3.45	.81	7.93	4.35	3.92	2.11	48.65
1904	4.37	1.51	2.63	3.23	2.98	2.81	9.48	3.66	2.60	1.83	3.84	5.97	47.71
1905	1.71	1.53	2.81	5.05	2.16	2.79	2.86	2.15	4.38	2.02	2.81	7.99	37.76
1906	1.30	2.17	3.83	2.22	2.14	4.64	2.59	4.63	2.69	4.59	3.46	2.56	36.82
1907	2.76	2.50	4.55	2.88	2.13	1.72	2.30	-	-	-	-	-	-

WESTON, MASS. (Weston College)
Lat. 42°23', Long. 71°19'. Elevation, 224 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1929	-	-	-	2.73	1.64	*2.75	7.89	4.02	5.47	0.88	2.74	2.18	-
1930	3.16	3.23	2.45	2.52	.99	2.04	1.91	3.36	2.78	3.87	2.06	1.06	29.23
1931	4.79	3.84	2.58	3.91	1.70	4.49	3.10	3.95	7.64	2.42	5.52	1.50	45.44
1932	2.56	1.59	8.84	4.17	2.75	4.98	1.75	1.52	5.66	2.59	6.24	9.75	45.17
1933	*8.22	5.55	1.77	1.88	4.59	6.29	6.90	1.75	2.37	3.16	2.39	11.08	*55.85
1934	3.96	*.96	5.65	3.52	3.59	3.56	5.17	3.84	4.85	2.49	2.54	8.05	*48.74
1935	3.22	1.88	1.29	5.34	7.39	1.73	4.70	1.56	5.61	1.79	2.12	4.18	40.61
1936	.53	3.91	1.18	4.52	3.19	6.51	3.23	2.53	2.32	1.81	4.57	3.92	37.72
1937	3.59	1.05	5.13	3.59	2.44	3.54	5.14	3.55	4.33	1.26	5.22	2.91	39.75
1938	3.18	5.93	3.76	5.05	1.95	2.22	2.81	4.19	5.93	12.30	4.79	8.48	60.49
1939	2.09	2.65	3.04	2.25	3.28	4.43	4.72	2.18	.97	4.32	1.43	3.45	34.85
1940	5.14	1.01	2.32	-	3.59	3.62	5.49	4.14	2.23	3.54	1.05	3.51	-
1941	.97	6.75	3.21	3.68	2.02	3.05	1.27	2.24	3.59	2.41	1.99	1.27	32.45
1942	1.88	2.66	5.04	3.46	3.58	7.51	2.04	2.09	4.01	5.18	3.08	1.72	40.25
1943	3.23	5.44	6.63	2.59	1.09	3.99	3.45	4.51	3.18	3.96	1.08	1.22	40.47
1944	5.07	3.78	.93	1.94	2.03	4.21	3.89	.71	4.83	1.75	1.89	5.64	36.67
1945	2.09	6.26	2.80	2.84	3.78	1.88	3.02	4.70	7.07	2.98	5.93	1.23	44.58

WILLIAMSBURG, MASS. (a)
Lat. 42°22'40", Long. 72°45'55". Elevation, 550 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1913	-	-	-	3.36	2.64	5.85	4.26	4.35	1.16	1.83	2.10	3.32	-
1914	6.05	2.93	2.90	2.85	2.07	3.99	5.66	3.27	2.16	3.09	4.04	.28	39.29
1915	2.14	2.84	3.16	5.72	4.75	.11	2.65	1.34	2.88	9.34	8.06	1.46	44.40
1916	2.58	3.18	8.22	1.83	5.20	2.36	3.28	3.09	5.36	4.44	2.59	5.62	47.75
1917	1.71	3.71	2.71	3.82	1.87	3.92	1.96	4.80	5.24	3.08	4.20	.91	37.93
1918	8.46	1.96	1.99	2.99	2.94	1.81	3.15	2.70	4.27	2.78	2.45	6.33	41.83
1919	1.43	2.56	2.51	2.11	3.41	4.56	2.54	8.17	1.62	4.36	3.20	4.29	40.76
1920	2.52	6.03	1.92	2.02	4.37	3.28	6.15	3.17	5.87	2.51	4.25	7.62	49.71
1921	1.23	6.23	6.87	1.92	2.56	4.14	5.66	3.58	3.04	5.23	1.73	2.07	44.26
1922	1.66	6.05	1.97	1.32	2.86	6.48	2.06	6.29	7.83	3.15	4.11	2.27	46.05
1923	2.68	1.65	2.97	5.55	1.78	2.05	3.38	3.77	2.80	2.99	3.48	1.91	35.01
1924	6.66	4.30	4.57	4.16	2.14	.66	5.24	3.80	1.30	2.35	3.16	9.69	48.03
1925	.05	1.79	2.14	2.69	3.58	3.70	3.16	1.90	4.88	7.59	2.79	2.68	36.95
1926	4.31	4.48	2.85	2.85	3.23	3.35	2.67	1.93	2.78	3.48	3.92	1.83	37.68
1927	5.05	5.91	2.34	2.29	3.73	2.01	1.95	4.38	4.23	5.57	4.48	2.82	44.76
1928	6.67	8.26	5.22	2.94	3.03	2.03	5.08	3.80	7.77	6.57	7.92	4.07	63.56
1929	.76	1.89	.88	3.52	3.71	2.63	5.87	4.11	2.99	.57	1.64	3.26	31.83
1930	3.89	2.53	2.75	1.55	1.22	4.48	2.26	4.77	6.37	4.59	3.62	1.28	39.51
1931	2.38	4.22	1.07	2.89	1.58	4.45	3.04	9.80	5.64	5.03	3.88	1.57	45.55
1932	2.63	1.81	3.77	4.59	1.87	3.84	2.16	1.30	2.62	4.14	4.58	2.72	36.03
1933	6.75	8.90	1.54	2.14	3.18	5.17	5.27	2.36	2.85	1.97	8.23	10.54	59.00
1934	3.56	1.15	2.89	3.88	2.47	4.43	4.72	4.18	5.04	1.85	4.53	11.00	50.70
1935	2.57	3.41	3.36	3.12	1.62	.98	2.27	2.59	6.48	2.58	1.09	4.46	33.53
1936	1.16	3.81	1.34	5.68	2.02	9.57	4.47	1.75	2.43	1.83	5.10	5.36	44.52
1937	3.26	1.82	5.86	5.18	3.14	2.99	3.89	6.46	6.72	2.76	5.49	3.79	51.37
1938	5.89	6.57	2.88	5.52	1.43	2.22	3.17	4.38	8.12	7.49	2.84	13.23	63.74
1939	2.60	2.66	4.19	2.46	3.26	*4.40	6.02	1.37	5.06	3.35	3.44	3.72	42.53
1940	3.32	2.24	2.49	2.57	2.10	4.32	3.52	6.38	2.70	3.11	1.86	2.15	36.76
1941	1.09	5.32	2.52	1.44	2.17	1.16	.50	1.82	4.56	7.97	4.10	1.57	34.22
1942	2.25	3.78	5.24	2.95	1.80	6.09	.54	5.48	3.31	6.27	7.11	4.48	49.40
1943	4.70	5.16	5.86	2.26	1.81	2.39	4.13	3.60	2.53	3.03	1.60	2.32	47.59
1944	6.89	5.45	.73	1.72	2.10	4.97	4.22	1.25	3.81	3.30	2.35	5.43	42.22
1945	2.22	5.56	3.90	4.37	4.25	2.60	5.50	8.02	7.15	7.66	6.39	4.76	62.38

WILLIAMSTOWN, MASS. (Williams College) (b)
Lat. 42°42'45", Long. 73°12'25". Elevation, 711 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1854													
1855	1.98	4.71	1.10	2.52	1.43	0.21	5.64	2.85	5.48	6.75	3.56	5.86	38.10
1856	12.93	4.59	6.63	2.23	.96	1.65	2.09	6.25	-	1.27	14.79	4.25	-
1857	1.20	2.51	3.76		3.68					4.05	5.19	3.32	-
1858	4.87	1.76	3.86	2.99	1.00	1.06	2.24	3.54	2.82	4.57	5.77	2.97	37.25
1859	3.15	3.11	1.74	7.53	1.74	4.62	3.88			3.46	2.56	3.78	-
1860	1.31	3.04	5.05	1.04	2.37	2.20	1.02	2.38	4.09	7.18	4.86	5.07	39.61
1861	2.48	4.43	3.37	1.02	2.92	4.41	5.32	5.25	2.08	6.09	4.14	3.82	45.33
1862	4.15	3.17	2.13	6.65	-	-	-	-	1.53	9.87	5.24	3.05	-
1863									1.64	1.91	4.96		31.15
1864	2.32	4.26	4.13	1.24	1.49	2.24	1.92	1.98	2.93	4.83	.85	2.27	-
1865	3.58	3.16	4.18	-	1.04	5.29	4.10	-	-	-	-	-	-
1866	5.27	1.79	2.12	1.01	1.78	1.76	.75	3.38	4.58	4.05	3.38	4.97	34.64
1867	2.37	4.00	3.75	1.65	2.85	1.38	3.96	5.90	1.47	3.61	5.21	2.20	37.85
1868	1.27	3.39	1.55	2.42	1.95	1.20	2.60	5.43	1.22	.37	3.40	6.50	31.30
1869	.93	4.42	2.49	5.52	3.78	4.44	3.16	3.28	3.84	5.17	-	3.18	-
1870	10.68	1.09	4.41	5.46	5.80	4.76	3.29	1.27	5.05	3.89	5.77	2.24	53.71
1871	4.30	2.25	.76	1.12	1.50	3.02	2.29	2.19	4.85	4.72	6.53	1.00	34.53
1872	2.00	2.74	3.61	1.05	-	3.56	-	-	-	-	-	-	-
1873						9.95	.90	-	-	-	-	-	-
1874	-								3.51	3.94	5.06	3.49	-
1875	-	.80	.10	-	-	-	-	-	-	-	-	-	-
1876	5.26	3.84	1.44	3.52	4.48	4.68	3.52	2.69	6.59	6.77	1.63	3.85	46.27
1877	.79	3.56	3.00	-	.22	4.64	1.29	-	4.22	-	-	-	-
1878	-	-	-	-	-	-	-	-	-	-	3.25	1.62	-
1879	3.06	4.29	3.70	2.00	1.86	2.37	3.04	-	-	-	3.93	4.62	-
1880	.93	3.43	2.59	3.39	2.60	1.46	4.77	2.58	1.55	4.36	3.59	3.09	34.84
1881	2.46	1.51	2.39	1.88	6.19	2.28	-	3.53	2.08	5.16	1.02	2.26	-
1882	2.28	3.35	5.04	2.23	-	2.35	1.72	4.26	5.85	2.42	3.26	7.04	-
1883	.32	1.18	.96		2.64	.87	1.96	3.31	5.19	4.59	2.92	2.64	-
1884	3.32	1.65	-	1.75	3.76	3.69	1.83	2.31	1.65	-	-	.58	-
1885	2.98	2.92	3.72	6.63	3.56	.96	3.18	2.00	1.48	2.87	6.66	1.65	38.61
1886	3.12	3.97	3.43	3.92	2.61	5.01	1.56	4.77	2.72	4.20	1.56	4.31	41.18
1887	2.60	5.80	4.04	6.29	4.50	5.15	3.23	1.31	4.33	10.82	7.03	2.30	57.40
1888	1.13	3.77	4.30	-	2.18	7.89	2.80	3.64	3.90	1.23	4.48	4.21	-
1889	5.06	4.12	3.38	2.96	1.22	1.10	2.31	1.78	5.08	5.81	2.94	2.39	38.15
1890	2.95	4.20	3.80	3.41	3.92	4.06	1.46	4.68	1.72	-	-	-	-
1891	-	-	-	-	-	-	-	-	-	5.43	4.48	.74	-
1892	1.80	1.90	3.59	2.68	1.13	1.75	.40	5.43	2.07	4.22	4.58	1.68	31.13
1893	1.57	2.99	5.46	2.72	3.72	1.39	2.43	2.75	2.08	1.46	5.84	4.46	36.87
1894	2.26	1.22	5.94	2.54	2.29	1.13	1.82	3.16	2.99	3.89	1.46	4.58	32.78
1895	4.91	-	1.75	1.87	1.70	2.10	3.90	2.10	3.62	2.37	3.25	2.22	34.41
1896	3.74	4.12	3.11	.71	2.29	3.10	.79	2.22	2.55	3.89	3.06	4.83	34.41
1897	2.94	2.98	1.46	2.62	1.37	2.93	3.50	4.21	6.81	9.74	3.40	2.12	42.98
1898	.86	6.46	4.61	5.25	2.15	2.47	3.60	4.10	3.01	1.48	8.51	3.22	45.72
1899	6.99	3.25	2.42	1.61	2.31	4.05	1.58	1.06	3.66	5.03	1.60	5.31	38.37
1900	1.11	1.30	2.29	3.61	3.46	3.14	1.17	2.43	4.94	5.56	5.91	1.21	36.13
1901	3.52	3.59	1.54	1.69	.48	4.58	5.76	4.98	1.80	5.78	7.14	1.96	42.84
1902	1.91	2.46	4.63	1.24	2.45	3.56	3.70	3.30	4.83	4.64	5.14	4.01	41.87
1903	3.66	.97	4.41	2.68	3.55	4.67	1.37	.63	9.07	3.49	7.51	1.36	43.37
1904	4.46	1.92	2.19	1.96	.94	1.51	2.22	3.24	5.29	1.80	4.34	5.39	35.06
1905	2.56	1.68	1.39	1.91	.56	2.74	1.89	1.19	5.74	5.35	4.55	3.24	32.80
1906	2.05	1.95	2.13	1.36	1.89	2.33	2.93	5.40	3.55	5.50	2.77	1.63	33.49
1907	3.18	2.45	3.09	2.24	1.52	1.56	2.88	2.22	3.86	3.96	1.25	6.06	34.27
1908	6.50	3.42	2.17	.85	2.29	2.03	2.65	5.19	3.24	4.98	3.31	.38	37.91
1909	1.74	.83	2.09	3.69	4.46	2.96	3.12	3.54	3.54	1.51	5.37	4.27	36.42
1910	1.33	1.49	1.70	3.90	3.14	1.02	2.53	5.06	3.03	2.61	2.01	5.68	35.50
1911	2.03	3.61	2.32	2.38	.75	2.49	1.12	1.62	3.85	2.30	4.41	4.21	31.08
1912	5.08	1.93	1.82	2.00	1.23	3.28	4.12	4.83	1.62	2.69	3.64	2.35	34.59
1913	4.55	2.44	3.59	2.99	2.82	6.08	1.76	2.89	.87	3.88	1.26	2.92	35.55
1914	3.91	1.63	2.33	2.31	1.94	3.90	5.65	1.94	2.21	4.33	5.10	.53	35.78
1915	1.72	2.14	1.94	3.45	4.14	.41	2.12	1.46	1.73	9.37	4.47	3.44	36.39
1916	2.71	2.03	5.03	2.05	1.53	3.51	2.48	3.52	3.62	5.30	2.45	5.20	39.43
1917	1.79	4.24	2.84	2.17	2.54	2.54	3.20	3.52	2.11	4.11	1.67	3.50	35.01
1918	5.05	.82	1.85	1.89	1.86	2.37	2.45	4.04	3.04	1.78	2.31	6.44	33.90
1919	2.75	1.83	3.42	2.68	1.29	7.39	3.18	5.81	2.23	3.03	4.51	6.43	44.55
1920	3.32	5.05	1.55	1.54	3.99	3.30	4.72	1.85	4.15	3.89	4.96	4.91	43.23
1921	2.22	4.17	4.45	1.13	4.22	4.17	2.86	2.41	2.94	6.51	3.59	2.41	41.08
1922	1.58	4.58	1.51	1.56	1.52	3.87	2.63	3.27	6.80	2.05	5.91	1.80	36.68
1923	1.42	1.19	2.50	4.97	1.94	2.41	2.62	2.01	3.39	3.20	4.48	4.08	35.21
1924	4.07	4.77	3.20	3.15	2.40	.72	5.20	3.28	2.10	4.47	4.44	4.54	42.14
1925	.07	2.16	1.66	2.05	2.17	2.93	2.58	2.69	4.58	4.14	3.79	6.24	35.06
1926	3.13	3.00	1.92	1.97	4.19	2.43	2.89	1.18	2.52	3.84	3.50	3.15	33.02
1927	6.61	3.25	2.32	2.94	1.81	2.53	.87	4.04	3.11	5.68	4.26	1.52	36.94
1928	5.72	9.39	3.09	1.45	3.21	1.72	3.51	2.90	5.85	5.28	5.78	2.73	50.63
1929	1.27	2.22	.94	3.34	3.28	4.68	5.98	3.32	3.74	1.33	1.12	1.89	33.11
1930	1.53	2.29	2.78	2.82	1.63	3.67	1.45	2.52	2.80	4.23	1.40	2.27	29.39
1931	1.69	3.24	1.33	2.79	1.25	2.24	2.71	4.53	5.42	5.45	3.53	4.41	36.59
1932	2.08	1.85	3.51	4.35	2.40	3.35	2.02	2.46	2.34	4.78	4.16	1.96	35.20
1933	3.58	4.03	2.62	2.26	2.82	3.20	5.14	1.68	2.58	1.95	6.28	6.97	42.91
1934	2.96	1.41	3.35	3.03	3.06	2.84	4.33	3.21	7.30	2.45	2.01	3.97	39.72
1935	2.80	4.46	2.53	5.02	2.50	2.52	2.26	2.30	4.45	5.77	1.47	3.64	39.22

PRECIPITATION RECORDS

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WILLIAMSTOWN, MASS. (Williams College) (b)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1936	1.16	5.28	1.29	4.41	1.89	7.90	3.72	3.21	3.05	1.90	6.89	1.97	42.67
1937	3.50	2.78	4.24	4.28	2.16	2.90	2.84	5.09	4.86	2.99	1.80	8.19	45.63
1938	4.77	3.57	1.75	3.49	2.03	1.68	3.19	2.69	5.59	7.20	4.03	9.85	49.84
1939	1.43	3.22	3.08	2.46	2.84	2.97	4.45	1.29	2.19	2.91	4.63	2.81	34.28
1940	5.00	1.82	2.14	1.88	2.08	3.67	5.04	4.42	2.94	4.31	1.42	6.36	41.08
1941	1.14	4.84	3.65	1.29	1.92	.98	.21	2.55	2.52	5.80	1.82	2.81	29.33
1942	2.58	1.89	1.42	2.29	1.13	4.31	1.78	3.54	-	5.74	1.07	3.89	-
1943	2.95	5.38	3.86	1.91	1.41	-	-	-	-	-	1.07	1.38	-
1944	-	6.87	.89	-	-	-	1.31	3.92	4.83	2.06	6.12	-	-
1945	2.69	3.72	1.86	2.95	2.12	1.33	5.89	6.11	6.86	6.28	-	3.85	-

WILMINGTON, MASS. (Water works) (a)

Lat. 42°34'55", Long. 71°08'50".

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1934	-	-	2.88	2.92	3.59	4.77	3.05	2.58	4.88	1.20	1.85	5.69	-
1935	3.88	2.60	2.37	6.16	2.56	1.55	4.06	1.22	5.81	1.88	1.22	4.13	36.89
1936	.55	4.66	.90	5.88	2.71	6.65	3.39	2.22	2.78	2.01	5.31	4.24	41.31
1937	1.93	1.27	7.92	4.23	1.65	3.25	3.88	2.86	3.31	.96	4.78	2.91	38.75
1938	4.24	4.86	4.07	3.79	1.94	1.86	2.67	3.48	6.54	11.49	2.73	3.28	56.15
1939	2.46	2.43	2.81	1.45	3.00	3.41	4.32	2.46	3.40	.47	3.49	3.05	32.75
1940	4.65	.96	2.94	1.98	3.54	3.29	4.44	3.56	1.92	2.31	1.05	3.59	34.03
1941	1.10	6.03	2.57	2.35	1.68	1.25	1.42	1.84	2.11	3.65	3.02	.15	27.17
1942	2.08	1.80	3.58	3.65	2.60	6.44	1.46	2.35	3.46	5.57	1.57	1.74	36.50
1943	3.01	4.13	3.58	2.56	.99	2.86	2.70	3.26	2.24	6.28	1.39	1.39	37.29
1944	5.01	4.35	.92	2.68	2.07	3.82	3.18	.61	5.05	2.67	3.89	6.29	40.52
1945	1.85	5.59	2.63	2.36	3.28	1.59	2.39	3.94	6.21	3.07	2.84	1.39	37.09

WINCHENDON, MASS. (a)

Lat. 42°41'40", Long. 72°02'35". Elevation, 1,130 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1893	-	-	-	-	-	-	-	-	-	-	3.47	2.46	-
1894	4.74	1.01	4.95	2.40	2.22	1.16	2.88	2.76	2.26	1.54	1.06	7.09	34.07
1895	2.63	2.06	3.25	2.90	.68	2.17	4.34	1.93	2.72	4.58	4.14	3.43	34.83
1896	4.19	5.46	3.60	1.14	3.51	6.63	1.57	2.72	1.49	3.40	2.65	6.10	42.46
1897	4.30	2.35	1.41	3.77	2.15	3.87	2.33	4.06	5.24	10.25	5.62	1.61	46.97
1898	.82	6.40	5.01	4.88	3.47	1.20	4.50	4.53	4.44	2.04	5.88	4.18	47.34
1899	6.90	5.99	2.64	2.77	3.05	5.61	1.23	1.39	5.73	5.93	2.91	4.57	48.72
1900	1.62	2.25	2.00	4.27	6.19	5.22	2.05	2.92	3.26	2.85	3.31	5.02	40.96
1901	3.64	7.22	2.49	1.49	.85	4.78	5.08	6.15	1.61	4.53	5.06	2.65	45.55
1902	3.52	2.27	7.98	2.02	3.14	4.88	3.35	2.88	3.71	5.01	4.87	4.24	47.87
1903	4.26	1.00	6.70	2.70	3.73	6.15	2.35	1.29	8.18	6.05	3.56	1.95	47.71
1904	2.86	2.03	3.48	3.17	1.70	3.01	6.40	3.16	2.85	2.51	7.08	5.27	43.52
1905	1.61	1.24	2.40	4.01	1.46	2.88	2.02	.89	8.37	3.82	5.14	6.07	39.72
1906	1.63	2.66	3.12	1.92	2.21	3.89	1.76	5.24	4.08	4.45	3.37	1.80	36.13
1907	3.53	1.93	3.47	2.50	3.30	1.56	2.22	3.29	2.78	5.69	1.73	8.36	38.38
1908	4.77	4.32	2.59	2.13	3.22	2.46	1.53	4.28	.97	2.94	7.22	.95	37.38
1909	1.55	1.03	2.44	3.94	5.13	3.03	5.07	2.59	2.80	2.66	3.51	4.09	37.84
1910	1.19	2.23	2.47	5.04	4.55	1.54	2.89	3.07	2.21	1.64	3.18	3.05	33.06
1911	1.11	2.98	1.99	2.37	2.00	3.69	1.85	.75	2.24	2.62	5.88	3.12	30.60
1912	7.40	3.37	3.01	2.16	2.18	4.95	3.94	4.50	.83	2.41	2.17	3.58	40.50
1913	2.51	4.17	4.06	2.62	2.87	5.47	3.14	4.12	1.02	.98	3.26	3.39	37.41
1914	4.49	2.44	3.21	3.25	2.28	4.29	4.95	2.19	3.01	4.06	3.42	.68	38.85
1915	1.30	2.48	3.13	5.55	4.10	.05	4.01	1.59	1.90	6.88	5.43	1.20	39.62
1916	3.03	2.38	5.90	1.56	4.68	2.70	2.79	3.35	5.56	6.32	3.93	8.01	49.21
1917	1.50	3.67	2.86	3.62	2.28	3.63	1.70	3.76	5.47	2.92	8.64	1.00	41.05
1918	5.91	1.83	2.38	2.77	3.72	1.93	3.13	2.06	4.92	2.06	3.37	7.99	42.07
1919	1.52	2.91	3.74	3.16	2.66	4.89	2.40	6.55	1.06	4.99	2.56	5.24	41.68
1920	3.27	6.34	1.71	2.24	5.18	4.19	6.88	2.95	5.69	3.66	4.10	8.05	54.04
1921	1.13	4.30	8.64	1.99	2.65	3.75	7.43	2.41	3.34	4.60	3.04	2.94	44.22
1922	1.96	7.01	2.87	2.30	3.13	6.33	1.88	4.63	12.00	5.90	4.80	3.09	55.90
1923	2.59	1.92	3.59	6.25	2.25	2.80	4.54	1.77	1.72	4.45	2.45	1.80	35.68
1924	6.18	5.46	4.36	4.54	2.19	1.55	6.03	2.73	2.22	2.39	3.01	5.10	45.77
1925	.03	3.29	2.21	2.75	3.22	4.69	3.62	2.54	4.74	8.20	1.68	3.68	40.85
1926	4.01	3.44	2.58	2.98	3.87	3.60	2.48	1.27	2.64	3.58	2.46	1.77	34.68
1927	5.57	5.49	3.23	2.58	3.82	1.67	1.57	4.64	3.13	8.54	4.58	2.02	44.84
1928	4.66	8.31	5.60	2.53	2.53	1.74	4.51	2.50	5.91	6.55	8.42	3.99	57.25
1929	1.58	1.96	1.37	4.46	3.21	3.50	5.42	4.37	4.31	1.29	2.61	1.71	35.59
1930	2.17	2.52	3.04	2.29	2.05	3.82	1.45	2.95	3.32	6.28	1.97	2.05	33.91
1931	2.61	3.13	1.38	2.40	1.78	4.52	1.71	4.71	3.88	2.23	5.08	2.61	37.02
1932	4.51	1.57	4.01	5.09	2.17	4.84	1.98	2.11	1.54	3.51	3.20	5.18	39.71
1933	4.73	3.89	1.81	3.10	3.89	5.64	6.10	1.97	2.03	3.30	4.99	7.76	49.21
1934	4.21	1.79	3.59	3.04	2.82	3.55	3.62	3.55	5.65	3.19	2.73	7.58	45.12
1935	2.78	3.53	3.41	4.88	2.90	2.03	2.99	2.51	5.02	4.87	1.06	5.44	41.44
1936	1.33	4.05	.93	5.94	2.49	8.52	3.74	2.61	2.83	3.46	5.78	2.55	44.23
1937	2.93	2.14	6.57	5.75	1.75	3.43	4.22	5.37	6.80	2.00	4.99	3.37	49.32
1938	3.84	5.97	2.46	4.49	2.14	2.10	2.90	3.26	7.88	8.94	3.51	45.89	63.18
1939	2.05	3.30	3.72	2.99	3.64	5.15	4.27	1.34	2.36	4.92	3.67	1.79	37.21
1940	3.94	.79	3.48	2.01	3.35	5.04	5.71	5.81	2.58	2.55	1.99	2.35	39.50
1941	1.14	6.19	3.48	2.41	1.84	1.21	1.02	2.17	2.84	4.61	4.42	.77	32.10
1942	2.64	3.07	2.08	3.23	1.72	6.61	1.35	2.48	5.33	5.28	2.59	4.13	40.31
1943	3.44	4.27	4.94	2.29	1.45	2.64	3.91	6.57	1.75	4.60	3.31	2.00	41.17
1944	5.53	6.65	.58	1.33	1.84	3.56	3.15	.99	8.92	3.77	.44	5.66	42.42
1945	1.80	3.18	2.54	2.76	3.24	1.75	4.74	5.21	6.46	5.91	1.90	3.14	42.78

HYDROLOGY OF MASSACHUSETTS

WINCHENDON, MASS. (Birch Hill Dam)^(b)
 Lat. 42°38', Long. 72°07'. Elevation, 860 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1940	-	-	-	-	-	-	-	-	-	2.78	1.75	2.02	-
1941	1.13	5.94	3.31	2.26	1.64	1.29	0.65	2.14	2.57	2.96	-	-	-
1942	-	3.03	2.51	3.25	1.68	6.71	-	3.20	5.61	5.08	1.27	2.79	-
1943	2.44	-	-	1.81	1.47	2.39	3.12	5.00	2.19	4.61	2.46	1.17	-
1944	4.46	5.80	.65	1.09	2.02	3.79	3.23	.94	9.90	3.93	.49	5.35	41.67
1945	1.66	2.83	2.13	3.27	3.41	1.87	4.84	5.39	5.27	6.11	2.69	3.67	43.24

WINCHESTER, MASS. (Mystic Upper Lake Dam, Boston Water Works)
 Lat. 42°26', Long. 71°09'. Elevation, 25 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1876	-	-	-	1.63	3.67	8.72	4.37	2.83	1.09	8.67	0.87	4.49	-
1877	1.90	6.64	2.12	3.07	.76	6.72	3.45	3.17	1.89	2.80	5.94	.39	38.15
1878	7.61	7.11	.89	5.67	5.72	3.66	5.69	.69	2.67	3.66	7.57	3.12	54.26
1879	4.76	5.61	4.65	2.77	2.69	3.37	4.54	1.32	3.82	2.46	5.29	1.55	42.33
1880	.77	2.73	3.70	2.40	4.18	2.56	2.02	2.04	1.44	7.36	3.89	1.43	34.49
1881	2.79	1.87	2.50	6.13	3.60	6.70	1.64	2.90	16.92	2.52	.60	2.04	40.21
1882	2.14	3.48	3.26	5.50	4.64	2.45	2.09	4.58	2.12	2.99	1.08	8.25	41.98
1883	1.94	1.70	2.20	2.65	3.08	2.25	2.52	3.62	1.63	2.73	.86	1.52	26.70
1884	5.38	1.98	2.63	4.60	6.45	4.22	3.29	2.87	4.52	3.78	4.68	.78	45.08
1885	2.59	2.03	4.43	4.79	3.36	1.21	3.56	3.99	4.41	2.28	5.85	1.53	40.03
1886	5.44	6.34	2.09	6.23	7.20	3.96	2.29	3.13	1.52	3.72	3.00	2.87	47.79
1887	2.98	4.07	3.68	5.22	4.43	5.04	4.52	1.75	2.69	6.43	5.17	1.54	48.52
1888	3.06	2.94	3.72	2.75	3.14	5.37	2.80	5.35	2.11	2.35	4.69	8.83	49.91
1889	5.04	7.02	5.42	5.88	1.90	2.26	3.63	4.72	3.26	6.81	3.66	4.80	56.60
1890	3.71	6.24	2.92	2.79	3.26	6.89	2.46	6.19	3.24	2.34	3.72	3.90	47.86
1891	9.29	1.36	5.08	6.29	4.98	6.19	3.50	2.55	4.53	3.16	4.10	2.31	53.24
1892	4.94	2.78	3.62	4.54	3.00	4.25	.89	5.85	4.10	2.54	5.05	2.13	43.69
1893	2.11	5.16	1.21	2.26	7.60	2.55	3.37	6.26	2.10	2.04	5.41	2.01	41.98
1894	4.10	2.25	4.85	3.93	3.31	1.09	3.48	5.18	.72	3.45	2.52	2.52	36.90
1895	5.58	3.49	3.97	3.84	.88	3.15	4.46	2.71	3.51	4.66	5.31	2.23	45.79
1896	9.24	7.95	1.96	2.77	5.09	5.19	1.99	2.13	2.51	2.25	2.90	7.78	51.96
1897	3.37	3.56	2.39	3.31	2.62	3.34	3.11	5.05	5.82	4.44	3.35	3.26	42.92
1898	.44	6.74	4.80	5.62	5.00	2.11	6.21	3.97	2.06	5.57	7.50	2.64	52.66
1899	7.37	6.81	3.00	-	-	-	-	-	-	-	-	-	-

WINCHESTER, MASS. (North Reservoir)^(a)
 Lat. 42°27'55", Long. 71°07'15". Elevation, 90 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1875	-	-	-	3.24	3.62	5.76	4.46	3.89	7.73	3.84	3.50	3.32	-
1876	5.06	5.62	0.97	1.63	3.67	8.72	4.37	2.83	1.09	8.67	.87	4.49	47.99
1877	1.90	6.64	2.12	3.07	.76	6.72	3.45	3.17	1.89	2.80	5.94	.39	38.14
1878	7.61	7.11	.89	5.67	5.72	3.66	5.09	.69	2.69	3.66	7.57	3.12	53.68
1879	4.76	5.61	4.65	1.62	2.73	3.62	4.65	1.86	3.98	2.39	5.48	1.02	42.45
1880	.77	3.74	3.74	2.62	4.23	2.49	2.18	2.02	1.49	7.23	3.64	1.42	35.57
1881	1.70	1.90	2.50	6.32	3.05	4.49	1.54	2.59	5.65	2.92	.57	2.03	35.26
1882	2.18	3.15	3.38	3.93	6.39	2.66	2.13	4.58	2.06	2.77	1.05	8.45	41.73
1883	1.45	1.76	2.26	2.29	3.16	2.17	2.42	3.60	1.62	2.54	.85	1.44	25.56
1884	4.20	1.98	3.86	5.04	4.97	4.30	3.12	3.00	2.05	4.41	5.07	1.28	41.78
1885	2.51	1.98	4.69	2.29	3.51	1.14	3.33	3.90	2.01	1.80	5.15	1.32	35.53
1886	5.60	6.38	2.01	6.40	7.20	3.72	1.91	2.78	1.56	2.26	6.72	7.79	54.33
1887	4.73	6.30	4.94	4.27	4.81	5.41	4.90	1.66	2.71	6.74	4.78	1.46	52.69
1888	3.02	3.16	3.45	3.80	3.25	4.53	2.82	4.96	2.21	3.70	3.48	3.04	41.40
1889	2.78	4.06	4.99	4.80	3.74	4.80	2.88	4.85	2.11	2.11	5.97	8.20	50.29
1890	4.87	6.68	5.12	2.60	3.39	6.21	2.49	6.41	3.42	2.27	3.56	3.50	50.52
1891	8.39	1.41	4.32	6.32	4.51	5.93	2.73	2.17	4.33	3.02	3.30	2.37	48.80
1892	4.55	2.45	3.20	4.48	3.03	3.76	.74	4.86	4.26	1.54	4.49	1.61	38.96
1893	.81	4.10	1.10	2.26	3.36	1.92	3.09	5.18	1.31	1.94	5.31	2.07	35.86
1894	3.86	1.85	4.31	3.23	2.73	.96	2.60	4.24	.31	3.14	1.24	1.97	30.44
1895	4.93	3.58	4.18	3.26	.44	2.58	3.31	3.59	3.89	4.13	5.56	2.56	42.61
1896	9.70	6.02	2.64	1.98	3.81	7.14	1.56	1.89	2.18	2.00	2.32	7.99	49.23
1897	3.01	2.51	2.18	3.95	2.37	3.26	3.20	4.84	5.53	3.34	3.53	2.67	40.39
1898	.34	6.06	3.92	4.51	3.38	2.17	5.76	4.55	1.64	4.39	8.23	2.30	47.25
1899	7.62	6.06	3.89	3.23	4.00	5.34	1.31	.93	2.77	2.87	2.22	5.45	45.50
1900	1.08	3.27	1.30	4.61	3.08	4.68	2.00	4.49	2.16	1.67	2.28	2.53	38.30
1901	3.00	4.64	2.11	2.55	1.44	4.83	7.78	6.10	.95	4.46	3.48	3.60	44.94
1902	2.45	2.71	6.53	2.14	5.28	6.18	4.07	.58	1.32	2.27	3.43	2.45	39.51
1903	3.95	1.19	5.91	3.31	3.70	5.68	4.14	.41	9.90	2.35	2.02	1.63	45.09
1904	3.65	1.38	2.25	4.59	2.60	1.74	8.47	3.18	3.04	1.51	3.19	5.10	40.70
1905	1.69	1.58	2.22	5.26	1.70	2.69	2.78	1.26	6.14	1.10	3.65	7.72	37.64
1906	1.28	2.51	3.69	2.88	2.76	9.27	2.55	5.15	2.95	5.22	2.57	2.02	42.85
1907	2.69	2.83	5.90	2.90	2.19	2.45	3.31	3.06	3.71	1.31	1.33	8.83	41.14
1908	2.98	6.76	3.88	3.45	4.27	3.26	2.41	3.81	.78	2.40	3.97	.62	38.52
1909	3.86	1.04	2.65	4.04	5.31	3.90	4.23	1.96	4.27	2.27	3.53	5.12	41.88
1910	1.28	4.31	3.95	4.80	4.84	1.02	2.68	1.32	4.59	1.47	1.19	2.38	33.83
1911	1.13	3.71	2.28	2.78	3.18	3.47	2.45	1.01	3.69	6.30	4.32	3.34	37.66
1912	2.93	4.02	3.72	3.13	2.50	4.98	3.71	5.10	.35	5.27	2.13	2.58	40.42
1913	1.89	2.94	4.89	3.49	2.59	4.80	4.31	3.83	1.55	3.83	3.39	2.96	40.27
1914	6.83	2.45	3.10	3.58	2.80	4.61	6.19	2.68	2.15	2.56	3.44	.06	40.45
1915	1.89	2.79	3.03	6.42	3.49	.04	3.33	1.54	5.24	6.48	3.29	.84	44.88

PRECIPITATION RECORDS

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WINCHESTER, MASS. (North Reservoir) (a) --Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	5.08	2.46	5.30	1.55	5.71	4.41	5.26	3.92	5.59	3.28	2.32	1.80	44.68
1917	1.58	1.84	3.19	2.96	1.48	2.42	3.25	4.27	3.65	1.28	7.48	1.49	34.87
1918	6.03	1.00	2.40	3.56	3.51	2.46	4.31	1.37	2.67	3.65	2.18	1.42	42.54
1919	1.13	2.05	4.07	3.50	2.99	2.57	1.08	3.16	1.62	2.19	4.04	5.41	35.81
1920	1.12	8.26	1.58	3.18	7.70	4.16	5.74	4.98	7.15	1.88	1.87	3.50	50.62
1921	1.12	5.53	4.70	2.45	3.94	2.91	5.24	2.13	4.10	9.11	1.25	2.88	45.26
1922	1.13	6.80	4.73	1.60	3.30	5.50	1.61	5.40	11.47	3.75	3.90	3.25	52.44
1923	2.80	1.25	4.20	8.43	2.71	3.83	5.31	1.17	2.33	2.53	2.82	.86	38.04
1924	3.64	3.61	5.48	*3.98	*2.36	*2.47	*4.55	*2.52	*2.81	*1.99	*6.71	*9.87	*50.99
1925	.09	2.29	1.47	3.64	2.10	6.06	2.76	2.40	5.10	4.20	1.16	3.02	34.31
1926	4.31	3.42	4.68	2.35	4.35	2.50	2.21	3.16	1.68	3.67	3.08	1.46	36.87
1927	4.52	3.97	2.84	2.30	4.40	*1.51	*1.62	*2.82	*2.07	*4.51	*6.81	*2.21	*29.58
1928	*4.58	*4.50	5.29	*2.54	*3.59	*2.21	4.93	3.10	7.15	4.48	4.02	4.59	*50.86
1929	3.57	2.29	2.41	3.32	3.46	2.81	7.94	3.21	2.63	1.49	4.07	1.45	38.65
1930	2.54	2.78	3.95	2.33	2.12	3.35	1.65	2.93	2.12	4.78	2.22	.63	31.40
1931	4.86	4.36	1.93	3.61	2.68	4.44	2.81	3.70	6.04	1.99	5.17	1.26	44.85
1932	2.63	1.08	3.60	4.10	1.93	5.19	1.28	1.55	3.06	2.55	6.96	6.82	40.86
1933	7.98	5.72	1.75	2.30	3.92	7.54	7.88	2.29	1.23	2.23	3.15	10.33	55.70
1934	5.45	1.01	3.54	3.54	3.30	5.10	3.16	2.14	4.36	1.34	1.95	7.35	40.70
1935	3.30	3.35	2.71	5.97	3.11	1.71	4.78	1.27	5.80	1.58	1.37	3.87	38.92
1936	.55	4.74	.92	7.26	3.22	7.27	3.35	1.93	2.33	1.21	5.82	5.64	44.24
1937	4.31	1.55	8.70	4.60	1.86	3.30	4.19	3.10	3.49	1.47	7.02	3.71	44.45
1938	4.45	6.18	4.88	3.75	2.12	2.42	3.16	4.25	6.06	12.06	1.98	7.57	58.94
1939	2.69	3.29	2.97	2.09	3.64	4.68	4.89	2.67	2.95	.47	2.76	2.09	35.21
1940	4.26	1.05	2.76	2.35	3.85	3.75	5.10	3.72	2.00	4.40	1.38	4.12	38.84
1941	1.19	6.21	2.52	3.59	1.62	2.33	1.83	2.39	2.56	2.85	3.26	.62	31.17
1942	1.96	2.77	4.00	4.16	5.12	7.20	1.98	2.48	3.41	3.24	2.74	2.24	39.20
1943	3.14	4.35	5.21	2.94	1.13	4.19	3.35	5.22	1.85	3.78	1.67	1.53	38.76
1944	3.29	3.94	.11	2.71	2.15	3.34	2.84	.70	4.96	1.72	2.35	6.63	40.12
1945	2.99	6.02	2.96	2.76	3.68	2.08	2.68	4.64	6.26	2.55	3.74	1.14	41.70

WORCESTER, MASS. (Clark University)
Lat. 42°15', Long. 71°49'. Elevation, 575 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1922	1.92	-	-	2.26	3.22	5.47	3.27	4.72	10.74	3.41	4.78	2.81	-
1923	2.46	1.65	3.25	6.76	1.95	3.77	5.62	1.26	3.91	3.05	1.91	1.03	38.62
1924	4.52	4.64	4.86	3.28	2.46	2.76	5.32	3.77	1.07	3.66	5.21	4.05	45.80
1925	.97	2.78	1.97	3.45	1.99	4.45	3.16	2.07	3.07	4.25	2.78	2.44	33.25
1926	4.57	3.38	4.62	2.70	5.78	2.66	3.21	2.01	1.68	2.74	2.33	1.91	37.79
1927	4.37	5.40	3.30	3.03	4.36	1.72	2.13	3.23	2.40	4.74	7.15	3.10	44.93
1928	5.29	6.88	6.17	2.53	3.59	1.99	4.12	2.76	6.58	4.96	4.25	3.23	52.05
1929	1.65	1.29	2.75	3.86	3.85	3.16	6.93	4.71	1.61	.68	1.15	3.80	35.64
1930	2.99	3.28	3.20	2.08	2.06	3.20	1.58	2.96	2.07	4.33	2.53	1.52	31.80
1931	3.65	3.19	2.97	3.28	3.49	5.31	2.96	3.49	7.46	1.97	5.49	1.27	44.73
1932	1.97	1.06	3.22	4.55	2.32	4.87	2.15	1.67	2.43	2.24	5.15	8.03	39.76
1933	6.54	5.89	1.86	2.17	3.92	5.46	6.02	1.94	2.64	1.45	5.51	9.45	52.55
1934	3.18	1.45	3.28	3.76	2.91	2.62	4.29	4.59	6.06	3.82	3.81	9.96	49.94
1935	2.56	2.36	4.13	5.95	2.48	1.69	2.53	2.15	7.64	2.33	3.92	4.20	41.98
1936	.44	4.68	.93	7.66	2.78	10.43	3.42	2.53	2.65	2.31	5.47	4.40	47.70
1937	3.32	1.44	7.36	4.75	2.19	3.49	5.31	4.19	4.47	3.15	4.30	3.78	48.36
1938	4.18	8.15	2.79	-	-	-	-	-	-	-	-	-	-

WORCESTER, MASS. (G. W. Swan)
Elevation, 518 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1892	-	-	-	-	-	-	-	6.34	2.22	4.70	5.51	1.74	-
1893	0.58	5.32	1.00	2.68	6.91	3.90	3.56	6.95	2.54	1.53	3.27	1.98	40.57
1894	3.68	2.28	4.65	2.98	2.84	1.41	3.80	4.63	.73	3.75	1.47	3.16	35.18
1895	3.96	2.64	3.02	2.12	1.14	2.87	4.27	2.46	3.44	4.10	5.19	2.39	37.60
1896	8.02	6.69	4.03	1.93	5.69	6.90	1.23	2.78	2.75	3.55	2.56	7.45	55.58
1897	3.90	3.02	2.25	3.26	2.95	4.09	2.65	4.52	4.13	7.25	3.21	1.85	43.08
1898	1.05	6.92	6.04	4.26	4.78	2.37	4.19	2.22	2.10	2.99	2.74	3.05	47.33
1899	5.95	3.66	3.04	3.83	5.25	7.29	2.13	1.25	3.89	3.57	3.62	4.20	50.38
1900	1.34	2.60	1.69	3.13	7.45	6.27	2.56	3.47	3.96	3.49	2.76	2.21	40.95
1901	11.65	4.69	2.50	1.49	.67	5.33	6.61	5.53	.93	4.30	3.34	2.94	40.38
1902	3.55	2.15	7.41	1.97	2.62	3.75	2.59	1.84	2.08	4.29	3.58	2.65	38.08
1903	5.00	.66	5.03	2.75	2.87	5.15	2.26	.88	7.44	3.01	3.31	1.14	39.52
1904	3.21	1.89	2.30	3.16	1.68	2.34	5.95	2.06	2.78	3.13	3.80	3.65	35.95
1905	.96	.81	2.20	3.73	1.27	2.85	2.46	1.07	4.73	2.44	2.15	6.16	30.63
1906	1.47	2.16	2.86	2.05	2.05	4.50	2.22	5.44	3.69	6.14	2.14	2.46	37.20
1907	3.39	1.86	3.46	2.69	1.61	1.37	2.39	2.72	2.73	2.37	1.25	9.48	35.30
1908	4.79	4.57	4.16	2.19	3.38	3.19	1.56	4.33	1.12	4.36	7.03	1.24	42.42
1909	1.73	.98	2.62	2.39	4.94	3.43	4.80	2.63	3.00	1.14	2.29	4.07	33.97
1910	1.06	1.49	3.32	5.10	3.76	.92	2.70	1.85	5.03	2.13	3.61	4.32	35.31
1911	1.42	2.90	1.82	2.40	2.21	3.84	2.17	3.66	1.96	2.92	4.77	5.74	35.81
1912	3.53	3.27	2.45	2.54	2.00	4.23	4.96	4.81	.66	4.92	3.88	1.98	39.25
1913	1.64	3.92	4.10	2.60	2.43	4.27	3.16	3.68	2.14	2.56	3.00	5.04	36.54
1914	4.26	2.20	2.07	2.40	1.52	3.73	2.94	2.68	1.80	4.14	4.17	.21	32.12
1915	1.47	2.57	3.33	5.74	3.39	.04	1.50	3.24	2.19	7.01	5.84	1.02	37.34

WORCESTER, MASS. (G. W. Swan)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1916	2.44	2.35	3.49	1.78	3.97	2.58	3.19	3.16	5.44	4.63	2.65	3.94	39.62
1917	1.19	2.20	2.93	2.44	2.18	4.18	1.62	2.88	4.03	1.12	5.55	.90	31.22
1918	5.51	1.07	1.87	2.54	2.59	2.34	1.89	1.62	3.98	3.64	2.31	6.01	34.27
1919	2.35	2.79	3.15	2.99	2.05	4.87	2.05	3.86	1.61	4.72	3.49	3.89	37.80
1920	1.96	4.87	2.06	1.66	3.20	4.01	4.46	2.63	4.24	2.45	1.71	4.24	37.69
1921	.53	3.99	4.80	1.92	1.86	2.26	4.44	3.40	1.82	4.35	1.87	1.99	33.23
1922	2.25	5.32	2.38	1.01	2.59	3.93	2.15	3.08	8.31	2.05	3.51	3.27	39.85
1923	2.46	.56	2.60	4.33	.73	2.80	5.66	1.93	3.49	2.28	2.24	1.44	30.52
1924	4.45	4.35	4.14	3.05	1.69	2.32	4.09	4.21	1.22	3.32	4.21	4.06	41.11
1925	.37	3.17	1.74	3.34	1.73	5.51	3.33	1.94	4.08	4.21	2.33	2.30	34.05
1926	4.63	3.32	5.08	-	-	-	-	-	-	-	-	-	-

WORCESTER, MASS. (Winter Hill Observatory) (b)
Lat. 42°16', Long. 71°48'. Elevation, 625 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1905	-	-	-	4.06	1.37	3.01	2.82	0.83	5.85	2.91	2.73	6.80	-
1906	1.89	2.57	3.00	2.05	2.19	3.82	2.77	5.79	3.58	7.08	3.15	2.88	40.77
1907	3.90	2.20	3.32	2.69	1.48	1.47	2.53	3.20	3.79	2.53	1.29	10.32	38.72
1908	5.18	5.47	4.27	2.93	4.03	3.01	1.41	-	-	-	-	-	-
1915	-	-	-	5.23	2.56	.02	1.36	1.58	1.63	9.35	4.92	1.21	-
1916	2.86	2.26	3.40	1.26	2.09	2.45	3.14	3.38	5.93	5.42	1.90	3.12	44.01
1917	1.59	3.10	3.23	1.66	2.57	3.33	1.41	3.36	4.16	1.44	4.16	1.27	31.28
1918	5.96	.70	1.76	2.93	3.18	3.33	2.53	2.04	4.37	4.24	2.25	7.61	40.90
1919	1.69	2.79	3.14	3.40	2.82	4.44	1.90	5.80	2.63	4.69	3.33	6.05	42.68
1920	2.14	5.87	1.98	2.32	4.81	3.21	5.84	3.28	5.49	3.32	1.92	6.08	46.26
1921	1.19	5.32	5.32	2.83	2.33	2.51	5.29	4.51	.43	4.77	2.20	1.90	38.60
1922	1.41	7.96	.87	1.60	2.65	4.99	2.40	4.53	5.28	3.94	5.83	3.69	44.97
1923	2.42	1.86	3.30	5.95	1.66	2.59	6.53	1.18	4.09	2.61	2.27	1.81	35.97
1924	6.31	5.57	4.90	4.10	2.39	1.75	5.56	5.04	1.28	2.55	4.14	3.85	47.44
1925	.33	3.19	1.39	3.41	2.24	5.81	3.33	1.87	3.28	4.21	2.33	2.61	34.00
1926	4.63	3.54	5.08	2.71	5.58	2.66	3.09	1.94	1.77	4.01	2.76	2.09	39.86
1927	4.35	5.58	2.88	3.45	3.49	1.57	2.51	3.39	2.46	5.23	8.70	3.41	47.02
1928	5.50	7.71	6.41	3.50	4.05	1.71	5.02	3.05	6.84	5.37	4.08	3.51	56.55
1929	1.87	1.76	2.55	4.10	3.83	3.10	6.52	4.71	2.28	.62	1.24	3.53	36.11
1930	2.95	3.14	3.05	1.99	1.83	3.30	1.70	2.87	3.19	4.18	1.43	1.50	31.13
1931	3.94	3.11	2.43	3.51	2.52	5.29	3.26	3.51	6.76	2.34	8.22	1.48	44.37
1932	2.16	1.17	3.33	4.88	2.14	5.02	2.41	1.29	2.69	2.90	4.96	7.37	40.32
1933	7.45	5.25	1.77	2.20	3.99	5.29	5.83	2.95	1.59	1.43	5.15	10.11	52.01
1934	2.87	1.70	3.17	4.32	3.02	2.96	4.78	4.76	5.49	4.29	3.25	9.75	50.36
1935	2.63	2.47	3.78	5.79	3.23	2.09	2.98	3.13	6.98	2.47	3.94	4.57	44.06
1936	.47	4.79	1.03	7.45	2.69	11.13	3.24	3.58	2.18	2.93	5.61	3.05	48.15
1937	4.15	1.33	7.77	4.58	2.22	3.38	4.74	3.81	3.63	1.61	4.22	3.98	45.74
1938	4.20	8.87	2.81	4.54	2.04	2.27	3.20	3.56	7.39	11.41	2.56	10.82	62.65
1939	2.46	3.15	3.64	2.61	3.73	4.46	3.42	1.78	4.80	2.61	4.29	1.99	38.74
1940	4.87	.98	3.52	2.89	3.45	4.39	5.98	5.24	2.60	4.02	1.39	2.37	41.70
1941	1.30	6.53	2.94	2.81	2.28	1.94	.85	2.02	3.21	2.40	2.22	1.11	29.61
1942	2.42	3.35	3.31	3.57	3.66	7.62	1.26	3.00	3.79	4.81	2.70	2.44	41.93
1943	3.46	5.23	5.96	2.53	1.52	3.30	4.27	5.15	3.40	5.16	1.93	.58	42.49
1944	5.35	3.50	.84	1.29	2.20	4.36	4.16	1.03	5.35	.63	.90	5.44	35.05
1945	1.74	5.47	6.25	3.38	3.73	2.35	4.40	6.22	6.79	3.65	3.78	1.78	46.54

WORCESTER, MASS. (Worcester Insane Hospital)
Lat. 42°16'45", Long. 71°46'15". Elevation, 600 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1841	-	-	-	4.78	0.83	3.43	6.54	3.46	0.92	2.94	2.97	4.27	-
1842	3.84	4.17	4.77	1.35	4.13	2.24	2.82	3.24	4.93	1.96	7.12	3.50	44.07
1843	.83	3.36	5.30	5.05	4.45	5.23	3.13	1.73	4.15	3.39	9.19	1.25	47.06
1844	5.19	3.63	2.28	3.14	1.44	3.80	.35	3.67	1.92	3.50	3.39	3.68	35.99
1845	7.34	3.06	2.56	4.17	2.61	3.29	1.61	3.23	3.14	2.91	2.36	2.57	38.85
1846	4.44	6.77	5.39	2.92	2.50	3.33	1.34	5.85	2.37	3.81	2.44	.90	42.06
1847	2.19	4.03	2.97	4.68	4.08	3.89	1.67	3.52	5.29	4.66	4.20	7.17	48.48
1848	2.87	3.75	4.93	3.08	1.61	3.69	1.53	6.82	1.31	3.13	3.19	2.36	38.46
1849	5.75	1.94	3.93	.98	1.50	4.75	1.95	3.56	1.25	6.00	4.28	2.49	33.78
1850	6.45	4.11	3.12	4.79	3.23	3.67	5.53	7.50	3.25	3.75	6.05	7.92	59.37
1851	3.37	2.14	4.19	2.07	4.01	1.40	6.76	4.73	3.16	2.17	1.97	2.59	38.56
1852	7.04	5.68	2.30	5.44	2.46	3.42	10.77	3.15	3.53	3.42	11.38	3.36	61.95
1853	3.89	5.88	4.78	3.04	8.09	3.60	4.92	5.45	1.01	3.29	10.71	5.26	59.92
1854	6.20	5.30	3.79	2.82	6.62	3.45	6.69	6.78	3.05	5.68	.35	5.53	58.26
1855	5.03	9.82	3.34	8.11	4.48	.23	5.39	1.64	4.19	9.40	4.06	.20	55.69
1856	8.17	5.85	6.90	4.60	1.35	1.69	3.34	6.55	1.44	2.68	13.14	3.39	59.10
1857	2.65	2.03	4.08	4.48	2.24	2.80	8.77	4.56	3.44	3.80	5.75	4.92	49.52
1858	3.93	3.12	6.11	3.06	1.10	2.29	4.14	4.13	5.16	4.18	4.00	5.70	46.92
1859	3.09	1.69	3.19	5.75	3.67	7.71	2.90	3.65	5.17	1.26	5.45	4.00	47.53
1860	2.46	3.00	4.55	1.34	2.77	2.26	1.36	2.66	6.65	7.91	5.76	6.02	46.74
1861	2.47	4.38	5.05	4.33	1.60	2.85	5.71	3.50	2.46	5.29	3.99	3.11	44.74
1862	3.38	3.93	1.81	4.47	2.42	2.31	2.34	1.87	7.44	6.10	2.64	2.14	42.07
1863	3.22	5.35	2.50	4.09	3.42	5.78	5.28	1.76	1.18	6.87	3.96	2.56	47.97
1864	4.85	4.77	4.41	4.54	1.74	3.90	5.66	5.96	2.40	1.68	3.11	2.93	45.96
1865	4.29	4.81	3.67	3.92	3.26	4.72	2.51	5.33	1.72	3.37	3.39	.68	41.67

PRECIPITATION RECORDS

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WORCESTER, MASS. (Worcester Insane Hospital)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1886	.51	2.36	2.75	2.56	5.27	3.18	2.09	5.33	3.40	3.78	3.22	4.77	39.22
1887	2.37	2.51	3.73	5.16	4.42	4.40	2.50	4.91	3.32	3.56	10.79	1.97	49.44
1888	3.79	2.19	2.07	3.27	1.53	2.82	5.18	8.30	3.08	1.08	3.57	8.60	45.48
1889	1.14	4.24	1.85	2.82	5.49	4.83	2.52	5.77	3.08	1.40	2.21	4.74	40.09
1870	9.81	2.43	5.25	6.34	3.04	2.84	6.03	2.40	2.09	2.39	1.74	1.40	45.26
1871	5.89	3.48	4.10	4.53	4.36	4.68	3.68	3.70	5.39	3.70	3.94	.90	48.85
1872	5.31	4.57	1.15	-	-	-	-	-	-	-	-	-	-

WORCESTER, MASS. (Worcester Sewage Disposal Works)
Lat. 42°12'45", Long. 71°47'30". Elevation, 400 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1895	-	-	-	-	-	-	-	-	-	-	5.00	1.95	-
1896	9.57	6.39	2.82	1.18	5.80	4.35	0.94	2.43	2.76	3.01	2.92	7.24	49.41
1897	3.26	2.52	1.91	2.44	2.64	3.63	2.36	3.86	3.18	6.49	2.66	1.65	36.60
1898	.70	6.27	5.58	4.80	4.15	2.17	3.49	2.22	2.10	2.99	7.84	3.52	45.33
1899	7.03	6.68	2.95	3.73	3.75	5.27	2.06	.90	3.80	3.27	1.62	4.30	45.36
1900	1.92	2.36	1.77	4.35	8.10	6.13	2.54	3.84	4.65	2.80	3.20	2.27	43.93
1901	1.85	4.69	2.05	1.19	.67	4.74	6.64	4.68	1.23	2.87	3.34	2.94	36.89
1902	2.68	1.94	7.31	2.14	4.13	5.08	4.44	1.50	3.94	4.30	3.21	3.22	43.89
1903	5.92	1.12	5.97	3.34	4.20	6.65	2.47	1.06	9.45	2.93	3.84	1.82	48.77
1904	3.72	1.80	3.37	3.61	2.29	3.00	7.44	2.16	2.25	2.97	4.32	5.48	42.41
1905	1.11	1.56	2.38	4.45	2.05	3.08	2.70	1.58	5.43	2.64	2.73	6.43	36.14
1906	1.80	2.63	3.44	2.54	2.60	5.45	2.82	5.75	4.14	6.20	2.12	2.89	44.38
1907	3.97	2.65	3.80	2.76	1.84	1.69	2.72	2.92	3.82	2.55	1.08	9.38	39.18
1908	4.63	6.06	4.53	3.28	4.14	3.78	2.12	4.78	1.17	3.18	6.24	1.44	45.33
1909	1.92	.96	3.00	2.91	5.66	4.13	5.48	2.57	2.21	.97	2.96	3.96	36.72
1910	1.11	2.18	3.51	5.75	4.58	.94	2.77	1.55	4.00	2.23	3.20	2.78	34.40
1911	1.23	3.51	2.05	2.76	2.28	3.50	2.61	2.11	2.00	2.43	4.56	3.67	32.71
1912	4.60	4.59	3.17	2.18	2.74	6.24	4.18	5.32	.18	2.76	3.37	1.45	40.78
1913	1.41	4.46	4.92	2.97	3.04	5.10	4.61	4.15	1.36	2.59	2.54	3.77	40.92
1914	6.35	2.48	3.05	3.20	2.72	4.32	3.81	2.61	1.86	3.35	3.38	.10	37.23
1915	1.45	1.86	3.16	6.16	3.11	.00	1.65	1.64	1.51	7.67	5.85	1.48	35.54
1916	2.62	2.81	5.19	1.59	7.50	4.20	3.96	3.69	5.91	6.09	1.40	3.17	48.13
1917	1.78	2.87	3.03	2.93	3.20	4.50	1.67	3.57	4.68	1.22	6.27	1.04	36.94
1918	6.93	.93	2.78	5.25	2.58	2.83	2.75	2.25	4.44	4.13	2.52	9.59	44.94
1919	1.13	2.80	3.23	3.82	2.88	6.62	3.16	5.40	1.75	5.46	4.46	6.38	47.09
1920	2.12	6.41	1.78	2.81	4.90	3.66	5.02	4.51	6.00	2.26	2.51	5.77	47.75
1921	.96	5.42	5.61	2.77	3.11	2.46	6.16	2.53	2.83	4.97	1.45	2.01	40.28
1922	1.45	8.48	2.01	1.51	2.63	5.27	2.84	4.09	7.54	4.73	5.64	3.28	49.47
1923	2.85	1.39	3.17	6.39	1.66	2.95	6.51	1.30	3.94	2.93	1.95	2.80	37.84
1924	5.18	4.60	4.80	4.25	2.64	2.62	4.73	3.49	1.46	4.62	4.82	5.35	48.56
1925	.03	2.77	1.82	3.58	2.25	5.44	2.85	2.12	2.58	3.63	2.31	2.44	31.92
1926	4.53	3.38	4.29	2.14	3.08	3.38	2.38	2.58	1.69	2.09	2.59	1.51	33.64
1927	4.63	5.98	2.93	1.77	3.58	1.63	2.19	3.30	3.20	4.24	7.32	3.05	44.30
1928	6.29	7.77	6.96	2.66	3.73	1.45	5.20	2.49	6.66	3.62	5.24	2.96	55.55
1929	2.15	1.91	2.12	3.80	3.38	2.46	6.99	5.58	3.13	1.28	1.60	3.04	37.44
1930	3.17	3.27	3.72	2.37	2.26	3.15	1.65	2.69	1.95	4.70	2.54	.93	32.20
1931	3.58	3.88	2.43	3.92	2.24	6.07	3.71	4.34	9.06	2.13	5.67	1.45	48.58
1932	2.56	1.25	3.69	5.31	1.93	6.46	2.43	1.91	4.15	2.56	6.32	10.62	49.21
1933	7.42	6.71	1.90	3.02	4.59	5.99	6.14	2.41	2.72	2.63	6.43	12.25	62.21
1934	4.22	1.65	3.59	4.98	2.94	4.12	5.19	6.22	7.30	4.48	2.54	14.51	61.74
1935	3.26	3.21	4.18	6.86	3.65	2.19	4.09	3.03	7.57	3.14	5.00	5.41	51.59
1936	.39	5.52	1.33	7.12	3.06	11.29	2.92	2.03	2.35	2.69	5.04	4.24	48.00
1937	4.63	1.81	8.20	4.86	2.01	3.31	5.07	3.85	4.41	3.54	3.79	4.27	49.75
1938	4.65	8.12	2.73	4.68	1.90	2.49	2.64	3.45	5.47	10.39	3.73	12.21	62.14
1939	2.20	2.55	3.17	2.48	4.29	4.21	4.43	1.34	4.47	2.49	5.16	2.29	39.08
1940	4.92	.91	3.30	2.62	2.98	4.01	5.24	5.30	2.47	4.03	2.29	2.83	41.00
1941	1.62	7.50	2.87	2.44	2.56	1.62	1.02	2.22	4.26	3.70	3.30	1.19	34.50
1942	2.18	3.48	3.46	4.33	2.94	6.73	1.53	3.25	6.43	5.14	1.94	2.34	43.75
1943	2.97	5.15	5.58	2.45	1.55	3.85	4.23	5.50	1.69	4.56	.97	.50	39.00
1944	6.00	5.26	.95	1.20	2.60	4.59	4.49	.97	5.44	1.66	2.01	6.32	40.99
1945	2.10	5.92	3.07	3.13	3.31	2.70	4.21	6.37	6.10	6.58	4.11	1.75	48.35

WORTHINGTON, MASS. (a)
Lat. 42°24'20", Long. 72°56'15". Elevation, 1,500 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1917	-	-	-	3.44	1.92	3.69	2.05	5.23	6.51	2.20	3.16	0.55	-
1918	7.14	0.84	3.25	3.85	3.52	2.56	1.99	2.62	4.44	2.98	2.92	6.09	42.20
1919	1.99	2.83	3.61	2.11	2.95	5.92	2.53	9.24	1.78	6.18	3.66	4.93	47.83
1920	2.68	6.27	1.43	2.50	5.42	4.66	6.66	2.01	6.75	2.43	5.14	8.52	54.67
1921	1.75	6.51	6.20	1.98	2.80	3.85	5.43	2.89	1.87	6.74	2.35	2.44	44.81
1922	2.36	7.61	1.65	1.87	2.91	6.13	2.44	7.03	7.75	2.76	4.52	2.93	49.96
1923	3.05	2.07	3.01	6.01	2.22	1.71	3.49	3.19	3.97	3.97	2.58	3.82	39.09
1924	7.47	4.31	4.55	3.71	2.96	1.34	6.32	5.46	1.76	2.55	3.10	8.96	52.49
1925	.00	3.61	2.16	3.06	4.66	2.75	3.68	3.30	4.01	6.89	4.56	4.51	46.19
1926	4.37	4.51	3.43	2.36	3.94	3.55	2.37	1.72	2.65	2.96	4.02	1.71	37.59
1927	4.90	5.52	2.74	2.85	3.73	1.85	1.61	3.93	3.57	5.35	4.76	2.55	43.49
1928	6.87	10.17	5.91	2.65	3.49	1.84	5.23	3.19	8.63	7.47	6.52	2.89	66.86
1929	1.18	2.14	1.14	3.68	3.94	3.63	7.53	4.07	2.93	1.17	2.53	4.48	37.42
1930	4.35	2.84	3.61	2.34	1.57	4.12	1.85	4.12	5.57	4.58	2.61	1.40	38.96

HYDROLOGY OF MASSACHUSETTS

WORTHINGTON, MASS. (a)--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	1.93	3.85	1.42	3.25	2.08	4.40	2.46	7.78	5.29	4.90	3.64	2.98	45.98
1922	2.73	1.74	3.86	5.23	2.29	3.80	2.08	1.45	1.98	3.99	4.25	2.25	35.65
1923	6.26	7.28	2.18	2.24	3.28	5.51	5.76	2.85	3.48	4.21	10.50	10.81	64.18
1924	3.42	1.20	3.15	3.54	2.13	3.22	3.94	4.24	6.38	2.00	3.30	9.23	45.85
1925	3.01	4.16	3.25	4.60	2.42	1.92	1.64	2.85	5.46	4.80	.83	4.69	39.63
1926	1.25	5.31	1.44	5.13	2.06	10.12	3.69	4.27	2.13	2.24	5.59	4.12	47.35
1927	2.15	2.14	6.05	5.86	3.37	3.80	4.25	6.87	6.22	1.93	6.22	4.99	56.83
1928	6.58	5.85	3.14	4.74	1.71	2.45	2.50	3.28	5.89	6.35	2.92	15.02	62.54
1929	2.28	3.28	3.40	2.53	3.62	3.64	4.89	1.45	4.73	1.86	3.51	4.71	39.90
1930	4.14	1.25	2.87	2.41	3.50	5.39	5.23	7.19	3.99	3.12	1.94	1.91	42.74
1931	1.31	5.72	3.21	2.48	2.75	1.59	.82	3.99	3.76	4.70	5.25	1.29	36.87
1932	3.42	3.36	4.34	3.54	2.29	6.02	1.91	4.73	3.37	6.33	3.45	5.43	47.99
1933	4.98	5.31	6.40	2.78	2.01	3.20	3.82	7.41	3.26	6.93	2.47	1.41	49.96
1934	6.00	5.89	.72	1.38	2.40	4.86	4.18	1.57	5.29	4.89	1.09	5.17	43.24
1935	2.34	4.64	3.89	3.77	4.16	2.54	6.33	7.51	7.21	6.79	3.12	3.79	56.10

WRENTHAM, MASS. (a)
Lat. 42°03'50", Long. 71°18'50". Elevation, 250 feet.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1921	-	-	-	e3.44	e2.86	e2.95	e5.47	e3.20	5.30	6.95	1.17	0.68	-
1922	0.76	6.08	2.94	1.88	3.01	5.64	1.94	5.79	7.82	3.47	6.89	4.96	51.16
1923	2.99	1.35	2.81	4.88	1.88	2.99	5.37	.82	4.64	3.36	3.22	.65	34.76
1924	5.48	4.26	5.54	4.03	3.04	3.18	6.01	3.35	1.62	2.10	6.18	6.57	51.34
1925	.15	2.11	2.01	3.77	2.18	5.36	2.77	3.26	2.62	5.02	1.35	4.99	35.49
1926	2.98	4.60	4.43	2.92	4.28	3.06	2.60	3.25	1.49	3.50	5.93	2.03	41.07
1927	5.19	6.66	4.52	1.75	3.80	1.40	2.27	3.38	2.42	3.43	10.22	4.58	49.22
1928	3.71	5.19	4.91	2.59	3.97	1.33	5.50	1.93	4.94	3.55	2.55	4.69	44.51
1929	4.37	1.89	2.64	4.83	2.57	4.38	7.39	2.51	.83	2.12	1.82	3.06	38.39
1930	3.67	3.30	3.81	3.32	2.52	3.36	1.54	2.61	2.81	2.68	1.47	.80	31.19
1931	4.03	3.35	2.37	3.15	2.76	5.25	3.37	4.23	6.16	3.50	4.30	.85	43.32
1932	*2.19	.86	2.20	5.05	1.62	5.15	1.86	2.00	2.94	2.53	4.81	6.05	*27.15
1933	5.64	5.33	1.07	1.93	3.24	5.25	5.44	2.33	2.38	1.89	2.80	8.90	48.20
1934	2.93	.98	3.54	3.20	2.84	3.58	3.49	2.45	4.23	2.72	4.39	5.02	39.32
1935	4.05	4.22	3.27	6.47	3.50	1.52	5.54	2.54	6.51	2.88	2.16	2.51	44.92
1936	.81	5.42	.97	8.53	3.07	9.68	3.88	2.47	2.50	.90	5.71	7.01	51.15
1937	2.47	1.19	9.25	4.84	2.23	4.22	5.64	3.38	4.34	2.48	9.08	3.35	52.47
1938	4.34	7.78	3.65	5.21	2.71	2.69	2.72	4.93	10.05	12.58	3.25	*5.80	*65.22
1939	2.87	3.28	3.28	2.76	4.63	4.74	4.45	1.67	3.09	2.01	3.92	1.76	38.28
1940	5.28	1.38	3.17	3.10	5.45	4.52	6.29	4.18	3.14	3.85	1.77	2.93	45.06
1941	1.45	6.40	2.36	3.30	2.87	2.72	1.93	3.08	5.66	5.24	4.24	.05	39.30
1942	1.72	3.01	3.37	4.50	2.89	7.38	1.11	2.20	3.55	5.92	5.80	2.16	41.38
1943	3.87	4.98	5.23	3.68	1.26	2.26	3.79	4.97	3.07	4.10	1.82	1.26	40.09
1944	5.55	3.39	1.18	1.66	2.25	5.12	4.26	.81	4.26	.93	1.35	8.68	39.42
1945	3.48	7.40	3.48	3.29	3.10	1.52	3.25	4.88	6.51	4.99	4.03	2.19	48.12

SYMBOLS

e Interpolated.

* Incomplete.

(a) Massachusetts Department of Public Health.

(b) United States Weather Bureau.

(c) Metropolitan Water Works.

(d) Metropolitan District Water Supply Commission.

T Trace.

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