NJR
974.90
G31R
1929
(33)
96
N329
929a

REPORTS OF THE
DEPARTMENT OF CONSERVATION AND DEVELOPMENT
STATE OF NEW JERSEY

DIVISION OF WATERS

HOWARD T. CRITCHLOW, *Chief*

In cooperation with the United States Geological Survey
N. C. GROVER, *Chief Hydraulic Engineer*

BULLETIN 33

SURFACE WATER SUPPLY *of* NEW JERSEY
TO SEPTEMBER 30, 1928

BY

O. W. HARTWELL

Published 1929

New Jersey State Library



Engineer making flow measurement from gaging bridge.

REPORTS OF THE
DEPARTMENT OF CONSERVATION AND DEVELOPMENT
STATE OF NEW JERSEY

DIVISION OF WATERS

HOWARD T. CRITCHLOW, *Chief*

In cooperation with the United States Geological Survey
N. C. GROVER, *Chief Hydraulic Engineer*

BULLETIN 33

SURFACE WATER SUPPLY *of* NEW JERSEY
TO SEPTEMBER 30, 1928

BY

O. W. HARTWELL



Published 1929

Board of Conservation and Development

STATE HOUSE, TRENTON, N. J.

ALBERT W. DRAKE ..... Plainfield
WILLIAM E. FLORANCE ..... New Brunswick
JOHN L. KUSER ..... Trenton
HOWARD F. MCCONNELL ..... Montclair
BLOOMFIELD MINCH ..... Bridgeton
HENRY L. MOELLER ..... Hoboken
WALTER E. ROBB ..... Burlington
OWEN WINSTON ..... Gladstone

HENRY B. KÜMMEL, *Director, and Chief Division of Geology and Topography.*

CHARLES P. WILBER, *State Forester, and Chief Division of Forests and Parks.*

HOWARD T. CRITCHLOW, *Hydraulic Engineer, and Chief Division of Waters.*

CONTENTS

	PAGE
Introduction	1
Explanation of Data	2
Definition of Terms	4
Accuracy of Field Data and Computed Results	5
Acknowledgments	6
Gaging-station Records	7
Hackensack River Basin	7
Hackensack River at New Milford	7
Passaic River Basin	13
Passaic River Near Millington	13
Passaic River Near Chatham	19
Passaic River at Paterson	21
Rockaway River at Boonton	46
Whippany River at Morristown	53
Ramapo River Near Mahwah	59
Ramapo River at Pompton Lakes	66
Greenwood Lake at The Glens	71
Wanaque River at Greenwood Lake	86
Wanaque River at Wanaque	93
Pequannock River at Macopin Intake Dam	102
Saddle River at Lodi	109
Elizabeth River Basin	113
Elizabeth River at Elizabeth	113
Rahway River Basin	119
Rahway River at Rahway	119
Robinsons Branch of Rahway River at Goodmans	125
Raritan River Basin	128
South Branch of Raritan River Near High Bridge	128
South Branch of Raritan River at Stanton	136
Raritan River at Manville	145
North Branch of Raritan River Near Far Hills	152
North Branch of Raritan River at Milltown	158
Black River Near Pottersville	163
Millstone River at Blackwells Mills	168
Green Brook at Bound Brook	174
Lawrence Brook at Patricks Corner	175
Navesink River Basin	180
Swimming River Near Red Bank	180
Mullica River Basin	186
Batsto River at Batsto	186
Absecon Creek Basin	187
Absecon Creek at Absecon	187
Great Egg Harbor River Basin	192
Great Egg Harbor River at Folsom	192
Delaware River Basin	195
Delaware River at Port Jervis, N. Y.	195
Delaware River at Belvidere	211
Delaware River at Riegelsville	216
Delaware River at Trenton	232
Flat Brook Near Flatbrookville	246
Paulins Kill at Blairstown	250
Pequest River at Pequest	256
Beaver Brook Near Belvidere	262
Musconetcong River Near Hackettstown	268
Musconetcong River Near Bloomsbury	274
Assunpink Creek at Trenton	280
North Branch of Rancocas Creek at Pemberton	285
Period of Records at Gaging Stations	291
Analyses of Surface Waters	293
Index	299

ILLUSTRATIONS.

Engineer making flow measurement from gaging bridge ..... Frontispiece

OPP. PAGE

Plate I.—Map showing location of gaging stations 1

Plate II.—Instruments used in stream gaging 3
(a) Current meter.
(b) Automatic water-stage recorder.

Plate III.—Engineer making flow measurement by wading, two views 6

Plate IV.—Gaging station on Passaic River near Millington 13
(a) Control at low water.
(b) Control at high water.

Plate V.—Gaging station on North Branch of Raritan River near Far Hills.. 152
(a) Shelter for automatic water-stage recorder.
(b) Dam forming control.

Plate VI.—Control for gaging station on Absecon Creek near Absecon..... 187
(a) Low tide.
(b) High tide.

Plate VII.—Gaging station on Delaware River at Trenton 232

Plate VIII.—Gaging station on Pequest River at Pequest 256
(a) Shelter for automatic water-stage recorder.
(b) Gaging bridge.

Plate IX.—Gaging station on Beaver Brook near Belvidere, shelter for automatic water-stage recorder, natural control shown in foreground 262

Plate X.—Gaging station on the Musconetcong River outlet of Lake Hopatcong 280
(a) Artificial control under bridge.
(b) Shelter for automatic water-stage recorder just above bridge.

Plate XI.—Map showing location of sampling points for chemical analyses of waters from New Jersey streams 293

LETTER OF TRANSMITTAL

May 16, 1929.

Dr. Henry B. Kümmel, Director,
Department of Conservation and Development,
Trenton, New Jersey.

DEAR SIR:

I am transmitting herewith a report on surface water supply of New Jersey prepared by Mr. O. W. Hartwell, district engineer, United States Geological Survey. The report presents the results of the investigations of stream flow to September 30, 1928, which have been made under the immediate direction of the author working in co-operation with the Division of Waters.

In 1921 a co-operative agreement was made between the department and the survey for the re-establishment of stream flow measurement work on the streams of the State. Under the agreement the survey publishes some of the records annually in their Water-Supply Papers. However, this report has been prepared in order to assemble these records in one volume and also certain other records of New Jersey streams which have been published previously in Federal, State, or municipal reports. The results include data collected at more than forty different gaging stations throughout the State and some of the records are continuous since 1891.

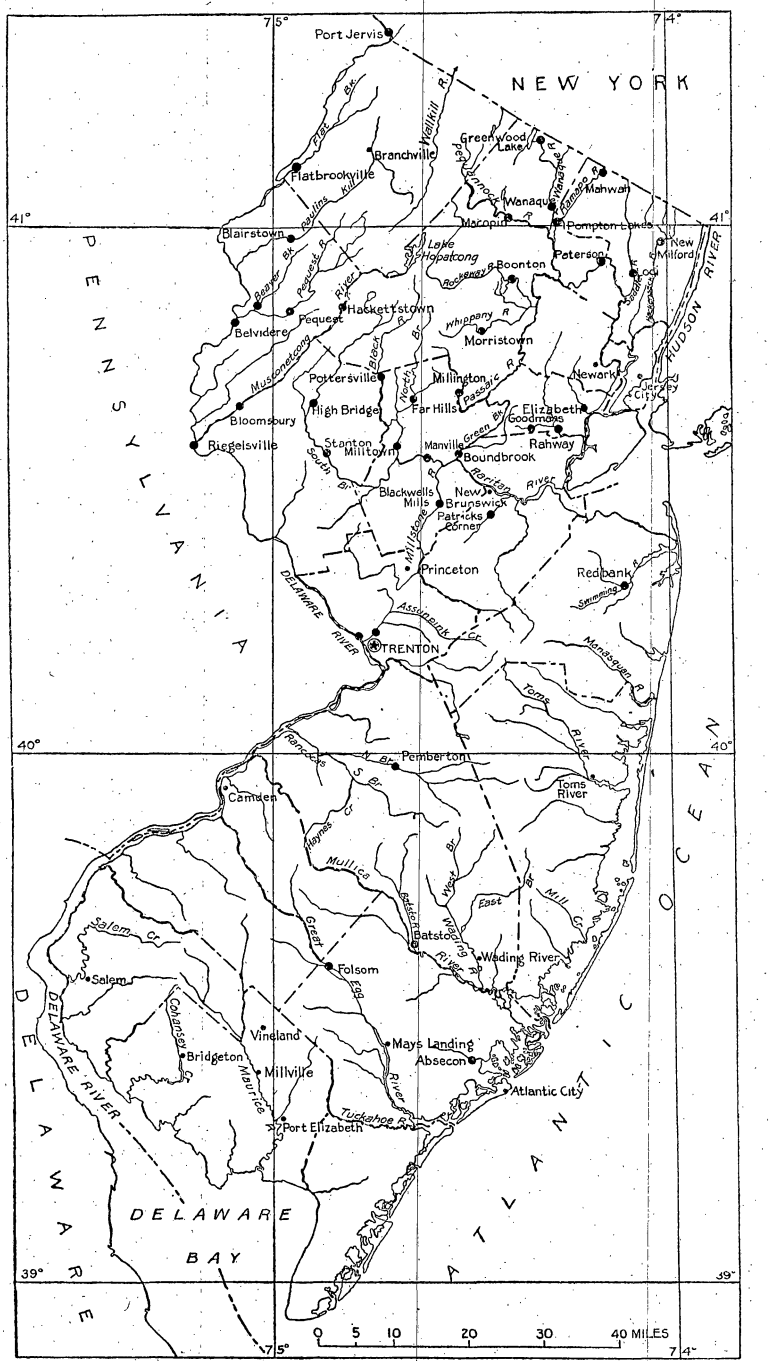
It is believed that this report will be a convenient reference for many people of the State who are in need of accurate information on the flow of the streams over a period of years to aid them in studying problems dealing with the development and use of our surface-water resources.

I therefore recommend that this report on the Surface Water Supply of New Jersey be published as a bulletin of the department's reports, in order that the information contained therein may be made available to the people of the State.

Respectfuly submitted,

HOWARD T. CRITCHLOW,
Chief, Division of Waters.

Approved for publication,
HENRY B. KÜMMEL, *Director.*



Map showing location of gaging stations.

SURFACE WATER SUPPLY OF NEW JERSEY

By O. W. HARTWELL, *District Engineer.*

INTRODUCTION.

The purpose of this report is to present in one volume the results of stream-flow measurements which have been made by various organizations.

A part of the data presented in this report has been published previously in Federal, State, or municipal reports.

Prior to 1921 the United States Geological Survey carried on some stream-gaging work in New Jersey mostly during the period from 1903 to 1907 when the work was curtailed because of lack of funds. In 1919 the Department of Conservation and Development and the North Jersey District Water Supply Commission established a few stream-gaging stations.

In 1921 the Department of Conservation and Development entered into a co-operative agreement with the United States Geological Survey, under which the survey resumed stream gaging in co-operation with the department. As the new work expanded other Federal and State departments, municipalities, power companies, industrial companies, and other private parties have rendered valuable assistance in connection with the work.

EXPLANATION OF DATA

The data presented in this report cover all records available through September 30, 1928. At the beginning of January much of the precipitation in the preceding three months is stored as ground water in the form of snow or ice, or in ponds, lakes, and swamps, and this stored water passes off in the streams during the spring break-up. At the end of September, on the other hand, the only stored water available for run-off is possibly a small quantity in the ground; therefore the run-off for the year beginning October 1 is practically all derived from precipitation within that year.

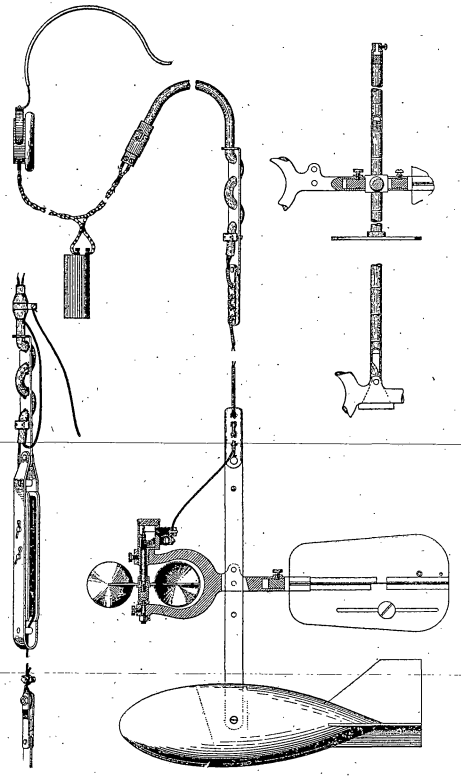
The base data collected at gaging stations consist of records of stage, measurements of discharge, and general information used to supplement the gage heights and discharge measurements in determining the daily flow. The records of stage are obtained either from direct readings on a staff gage, chain gage, or from a water-stage recorder that gives a continuous record of the fluctuations. Measurements of discharge are made with a current meter. The general methods are outlined in standard textbooks on the measurement of river discharge.

From the discharge measurements rating tables are prepared that give the discharge for any stage. The application of the daily gage height to these rating tables gives the daily discharge from which the monthly and yearly mean discharge is determined.

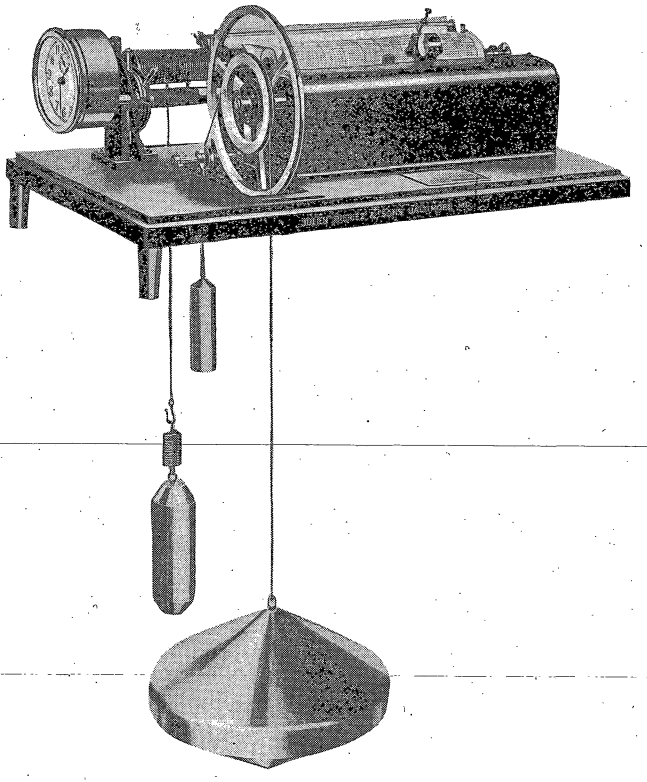
The data presented for each gaging station in the area covered by this report comprise a description of the station, a table showing the daily discharge of the stream, and a table of monthly and yearly discharge and run-off.

The description of the station gives, in addition to statements regarding location and equipment, information in regard to any conditions that may effect the permanence of the stage-discharge relation, shifting of control, and also information as to diversions that decrease the flow at the gage, artificial regulation, and maximum and minimum recorded stages.

The table of daily discharge gives, in general, the discharge in second-feet corresponding to the mean of the gage heights read each day. At stations on streams subject to sudden or rapid diurnal fluctuation the discharge obtained from the rating table and the mean daily gage height may not be the true mean discharge for the day. Such stations are equipped with water-stage recorders and the mean daily discharge is obtained by averaging discharge at regular intervals during the day, or by using the discharge integrator, an instrument operating on the principle of the planimeter, containing as an essential element the rating curve of the station.



(a) *Current meter.*



(b) *Automatic water-stage recorder.*

Instruments used in stream gaging.

In the table of monthly discharge the column headed "Maximum" gives the mean flow for the day when the mean gage height was highest. As the gage height is the mean for the day, it does not indicate correctly the stage when the water surface was at crest height and the corresponding discharge was consequently larger than given in the maximum column. Likewise in the column headed "Minimum" the quantity given is the mean flow for the day when the mean gage height was lowest. The column headed "Mean" is the average flow in cubic feet per second during the month. On this average flow computations recorded in the remaining columns, which are defined on page 4, are based.

DEFINITION OF TERMS

The volume of water flowing in a stream—the "run-off" or "discharge"—is expressed in various terms, each of which has become associated with a certain class of work. These terms may be divided into two groups—(1) those that represent a rate of flow, as second-feet, million gallons per day, and discharge in second-feet per square mile, and (2) those that represent the actual quantity of water, as run-off in inches, acre-feet, and millions of gallons. The principle terms used in this report are second-feet, second-feet per square mile and run-off in inches. They may be defined as follows:

"Second-feet" is an abbreviation for "cubic feet per second." A second-foot is the rate of discharge of water flowing in a channel of rectangular cross section one foot wide and one foot deep at an average velocity of one foot per second. It is generally used as a fundamental unit from which others are computed.

"Second-feet per square mile" is the average number of cubic feet of water flowing per second from each square mile of area drained, on the assumption that the run-off is distributed uniformly both as regards time and area.

"Run-off in inches" is the depth to which an area would be covered if all the water flowing from it in a given period were uniformly distributed on the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

The following terms not in common use are here defined:

"Stage-discharge relation," an abbreviation for the term "relation of gage height to discharge."

"Control," a term used to designate the natural section or stretch of the channel or artificial structure below the gage which determines the stage-discharge relation at the gage. It should be noted that the control may not be the same section or sections at all stages.

The "point of zero flow" for a gaging station is that point on the gage—the gage height—at which water ceases to flow over the control.

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

The accuracy of stream-flow data depends primarily (1) on the permanence of the stage-discharge relation and (2) on the accuracy of observation of stage, measurements of flow, and interpretation of records.

The monthly means for any station may represent with high accuracy the quantity of water flowing past the gage, but the figures showing discharge per square mile and run-off in inches may be subject to errors caused by the inclusion of noncontributing districts in the measured drainage area, by lack of inclusion in the area of districts which contribute subsurface waters to the stream, or by inability to interpret the effect of artificial regulation of the flow of the river above the station. "Second-feet per square mile" and "run-off in inches" are therefore not computed if such errors appear probable.

The table of monthly discharge gives only a general idea of the flow at the station and should not be used for other than preliminary estimates; the tables of daily discharge allow more detailed studies of the variation in flow. It should be borne in mind, however, that the observations in each succeeding year may be expected to throw new light on data previously published.

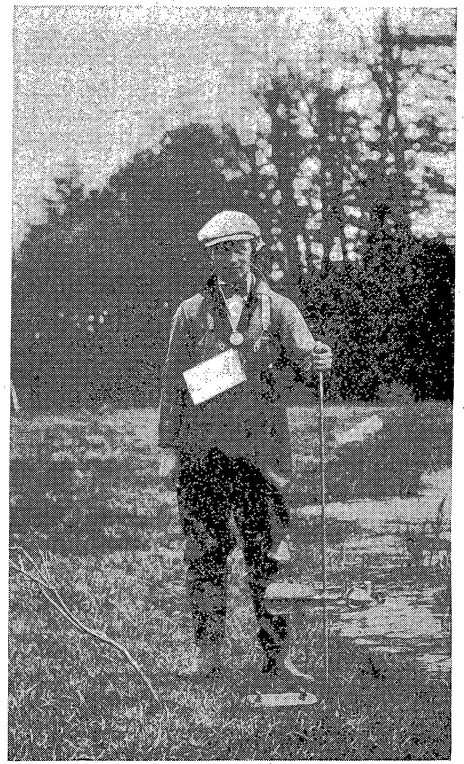
ACKNOWLEDGMENTS

Valuable assistance has been rendered or records have been furnished by the United States Weather Bureau, United States Army Engineers, North Jersey District Water Supply Commission, Morris Canal and Banking Company, Newark Water Department, Jersey City Water Department, City of Trenton, Atlantic City Water Department, City of New Brunswick, City of Morristown, Borough of Pompton Lakes, Hackensack Water Company, Monmouth Consolidated Water Company, Somerset Lake and Game Club, Taylor-Wharton Iron and Steel Company, Warren Manufacturing Company, The Society for Establishing Useful Manufactures, and Jersey Central Power and Light Company.

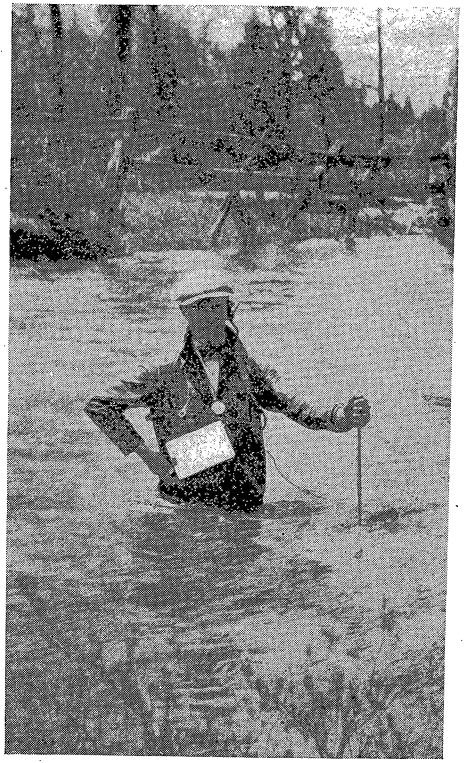
The writer has had the advantage of the wise counsel of H. T. Critchlow, chief of the Division of Waters, in connection with establishment and maintenance of gaging stations from 1921 to date.

Since 1921 the writer has had the valuable assistance of Mr. Otto Lauterhahn, associate engineer, who has also had charge of the detail work in assembling material for this report. The following junior engineers have assisted at one time or another during the period: J. W. Bones, H. C. Barksdale, E. W. Downs, R. B. Letcher, W. R. Voght, R. E. Marsh, and Harry Barnett. The following clerk-stenographers have also assisted: Mrs. A. H. Harrison, Mrs. M. T. Sheridan, and Mrs. A. B. Savidge.

The table of analyses of surface waters appearing in this report is reprinted from United States Geological Survey Water-Supply Paper 596-E *Quality of the Surface Waters of New Jersey.* The samples for this work were collected by men engaged in the stream-gaging work.



(a) *Showing equipment.*



(b) *Making measurement.*

Engineer making flow measurement by wading.

GAGING-STATION RECORDS

HACKENSACK RIVER BASIN.

Hackensack River at New Milford.

LOCATION.—At pumping plant of Hackensack Water Company, New Milford, Bergen County, 3½ miles downstream from mouth of Dwars Kill.

DRAINAGE AREA.—113 square miles.

RECORDS AVAILABLE.—October 28, 1921, to September 30, 1928.

EQUIPMENT.—Vertical staff gage on right bank 30 feet above south spillway and 500 feet north of pumping station used to November 23, 1923; water-stage recorder on right bank 40 feet above south dam used after that date. Vertical staff gage in Oradell reservoir is read once daily.

CHANNEL AND CONTROL.—The two waste weirs and the sluice gates at the pumping plant forebay form the control.

EXTREMES OF DISCHARGE.—1921-1928: Maximum stage from water-stage recorder, 4.58 feet at 5:00 P. M. on September 2, 1927 (discharge, about 4,000 second-feet).

DIVERSIONS AND REGULATIONS.—Water is stored in Oradell reservoir, one mile upstream from gage, and is diverted from the stream at New Milford. Part of the table of monthly discharge has been corrected for diversion and storage.

CO-OPERATION.—Hackensack Water Company erected and maintained the staff gages and shelter for water-stage recorder and furnished the record of diversions.

Daily discharge, in second-feet, of Hackensack River at New Milford, for the years ending September 30, 1922-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	.....	0	137	0	0	206	274	0	0	0	0	0
2	.....	0	79	0	0	206	434	0	0	1	37	0
3	.....	0	96	0	497	154	434	0	0	0	37	0
4	.....	0	170	0	234	85	373	0	27	59	37	0
5	.....	0	170	0	234	99	373	179	32	37	114	0
6	.....	0	32	0	215	295	197	770	42	48	137	0
7	.....	0	10	0	197	373	154	373	37	0	225	253
8	.....	0	59	0	179	995	197	79	48	0	129	244
9	.....	0	99	0	79	1,230	197	253	37	14	0	234
10	.....	0	48	0	85	880	170	129	22	1	0	48
11	.....	0	0	1	85	562	154	99	59	1	0	2
12	.....	0	0	32	79	497	150	85	54	0	0	1
13	.....	0	0	0	72	530	145	59	66	0	10	284
14	.....	0	0	0	85	316	114	59	42	0	0	253
15	.....	0	4	0	79	466	225	42	1	32	0	79
16	.....	0	0	1	79	305	344	66	0	0	0	85
17	.....	0	0	4	10	225	225	37	0	18	0	59
18	.....	0	27	0	10	225	179	37	0	22	0	66
19	.....	0	54	2	14	162	305	66	0	0	0	18
20	.....	0	122	4	14	284	225	170	0	0	0	0
21	.....	0	114	0	562	497	72	197	0	0	0	0
22	.....	0	10	37	316	497	114	197	137	0	0	0
23	.....	0	7	42	316	305	129	284	129	114	0	0
24	.....	54	0	48	316	274	122	274	0	434	0	0
25	.....	48	42	14	316	162	92	206	79	0	0	0
26	.....	27	66	4	244	162	72	154	0	0	0	7
27	.....	0	59	2	162	137	66	32	0	0	0	0
28	0	85	27	0	206	137	72	114	0	0	0	0
29	0	162	32	0	.....	162	0	72	1	0	0	0
30	0	162	10	0	.....	274	0	32	0	0	0	0
31	0	.....	4	0	.....	154	.....	0	.....	4	0	.....

Daily discharge, in second-feet, of Hackensack River at New Milford, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	0	0	0	114	114	99	79	562	18	0	0	0
2	0	0	0	530	107	37	66	274	0	7	7	0
3	0	0	7	918	114	66	72	129	14	0	0	0
4	0	0	0	284	114	66	79	129	10	7	0	0
5	0	0	1	137	114	263	263	59	10	4	1	0
6	0	0	0	66	99	700	466	59	1	0	0	0
7	0	0	0	10	107	630	344	48	7	0	0	0
8	0	0	0	14	92	562	170	14	4	0	7	0
9	0	0	0	14	114	373	162	22	10	7	7	0
10	0	0	114	18	107	154	162	0	7	0	4	0
11	0	0	4	7	122	145	225	54	7	0	0	0
12	0	0	0	14	114	154	145	42	42	0	7	0
13	0	0	0	14	92	497	99	42	37	7	0	0
14	0	0	0	14	72	497	99	244	37	1	14	0
15	0	99	0	0	99	497	92	85	37	0	1	0
16	0	234	0	129	99	735	107	66	10	0	0	0
17	0	305	0	274	99	1,310	107	66	14	14	1	0
18	0	274	0	0	92	1,310	85	54	10	10	0	0
19	0	7	0	14	92	1,230	85	66	10	1	0	0
20	0	0	0	22	99	995	54	137	10	0	0	0
21	0	137	0	129	92	434	54	85	7	0	1	0
22	0	122	0	466	92	434	54	295	0	0	10	0
23	0	1	0	700	92	434	54	48	0	27	0	0
24	0	7	0	253	54	373	54	54	10	0	0	0
25	0	0	0	253	54	466	48	22	0	7	0	0
26	0	0	0	316	48	466	48	54	14	0	14	0
27	0	0	0	66	42	404	37	32	0	0	0	0
28	0	0	0	188	107	284	54	27	10	0	0	0
29	0	0	0	179	.....	274	27	22	1	0	0	0
30	0	0	37	170	.....	225	842	27	0	14	0	0
31	0	.....	32	99	.....	234	.....	18	.....	0	0	.....
1923-24												
1	0	0	0	162	107	103	234	274	154	0	0	0
2	0	0	0	162	76	107	229	253	96	0	0	0
3	0	0	0	279	59	107	174	192	72	0	0	0
4	0	0	0	466	62	145	150	188	100	0	0	0
5	0	0	75	332	247	290	174	129	192	31	0	0
6	0	0	179	154	530	316	305	40	192	21	0	0
7	0	0	530	89	352	434	940	27	99	0	0	0
8	0	0	497	119	166	497	1,490	27	76	3	0	0
9	0	0	316	150	103	298	708	693	76	231	0	0
10	0	0	197	125	66	192	596	497	76	195	0	0
11	0	0	162	193	95	202	415	385	76	61	0	0
12	0	0	154	344	166	370	170	675	54	6	0	0
13	0	0	82	344	131	466	174	842	24	7	0	23
14	0	0	79	244	66	373	174	800	52	2	0	85
15	0	0	118	110	66	258	179	564	96	3	0	66
16	0	0	133	56	66	202	179	333	73	3	0	57
17	0	0	107	608	66	162	267	202	30	3	0	57
18	0	0	76	735	51	85	562	248	10	2	0	40
19	0	0	92	434	40	56	770	316	10	0	0	48
20	0	0	85	373	37	76	1,070	316	2	0	0	33
21	0	0	34	222		107	960	316	6	0	0	16
22	0	0	10	107		154	480	284	7	0	0	14
23	0	0	145	70	60	150	404	176	2	0	0	67
24	0	0	244	48		141	318	92	0	0	0	125
25	18	0	110	259		137	118	312	0	0	0	125
26	0	0	129		103	141	85	284	3	0	0	73
27	0	0	133	200	103	137	85	206	6	2	0	48
28	0	0	125		99	141	120	152	14	0	0	48
29	0	0	210		103	188	279	128	54	0	0	45
30	10	0	239	107	.....	234	268	225	43	0	0	186
31	0	.....	162	107	.....	234	.....	174	.....	0	0	.....

Daily discharge, in second-feet, of Hackensack River at New Milford, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	443	14	12	16	2	278	366	109	66	2	472	2
2	429	7	11	12	2	808	113	112	30	2	341	2
3	176	2	2	10	2	879	38	109	21	2	147	2
4	145	2	5	18	2	503	69	105	13	2	102	2
5	195	16	6	3	2	412	112	57	10	2	41	2
6	84	15	157	2	2	352	112	32	2	2	81	2
7	78	11	132	2	2	230	46	66	21	2	78	5
8	78	2	101	2	6	190	57	36	10	2	41	2
9	61	2	112	2	5	227	112	8	2	2	11	2
10	35	2	124	11	105	284	45	2	8	22	19	2
11	16	2	97	16	469	278	195	5	8	46	25	3
12	10	2	66	7	1,260	121	228	177	8	30	28	6
13	10	2	69	2	1,310	47	117	228	2	2	27	4
14	2	2	95	2	812	70	54	181	7	2	25	8
15	2	2	35	2	636	116	182	176	2	2	24	2
16	2	2	21	2	636	112	190	172	2	17	18	11
17	2	2	13	2	602	286	51	154	2	235	2	85
18	2	2	11	5	463	192	51	99	2	155	2	41
19	2	2	9	7	310	511	132	40	2	103	6	11
20	2	2	5	2	310	501	102	32	2	35	2	81
21	2	2	25	2	305	248	66	9	3	15	2	48
22	2	113	8	6	310	302	66	5	2	25	2	86
23	2	344	2	9	310	174	66	2	2	25	2	96
24	2	90	2	2	305	101	57	53	3	47	2	79
25	5	2	29	2	354	101	25	433	2	58	2	108
26	10	21	18	2	472	105	30	294	2	78	2	23
27	2	40	17	2	503	105	43	136	2	84	2	8
28	2	34	27	2	355	482	69	47	8	65	2	2
29	2	58	23	2	.....	332	46	97	2	85	2	2
30	2	21	12	2	.....	124	66	154	8	56	2	2
31	26	.....	13	2	.....	323	.....	93	.....	101	2	.....
1925-26												
1	2	204	63	16	21	744	161	51	23	2	2	2
2	2	112	96	36	21	744	214	105	32	2	2	8
3	2	58	361	58	35	744	214	46	45	2	2	15
4	3	53	441	81	49	636	218	23	34	2	2	9
5	2	71	454	92	45	433	341	56	34	2	2	8
6	4	109	463	70	47	326	412	63	29	2	2	25
7	5	40	382	70	61	326	412	5	24	2	2	75
8	6	23	331	72	61	661	412	21	34	2	2	69
9	2	42	246	71	61	936	412	45	36	2	2	46
10	3	54	163	72	63	772	412	24	13	2	2	35
11	2	52	132	69	61	515	310	5	2	2	2	25
12	2	45	116	69	61	360	209	2	4	2	2	18
13	2	186	120	69	63	246	136	2	29	2	2	11
14	2	425	88	46	63	214	136	6	10	2	2	5
15	4	377	66	28	129	214	99	13	2	2	2	3
16	2	360	66	22	204	166	84	18	9	2	2	2
17	3	335	67	23	167	90	64	10	2	2	3	3
18	2	238	68	23	163	93	38	5	2	2	2	3
19	2	198	65	204	214	123	32	4	2	4	13	3
20	8	139	66	420	289	257	25	2	2	2	61	3
21	2	117	63	354	326	374	25	18	2	2	51	2
22	2	81	109	326	305	326	27	35	4	2	42	2
23	2	56	202	326	258	326	29	38	2	2	31	2
24	2	58	172	326	223	326	45	28	2	2	24	4
25	93	56	124	321	343	315	81	29	2	2	21	2
26	84	58	99	185	672	315	122	19	2	2	37	4
27	92	182	80	54	707	289	91	26	2	2	38	3
28	97	157	64	45	744	238	27	36	2	2	21	2
29	160	71	41	31	.....	185	2	21	2	2	16	2
30	88	61	28	23	.....	136	4	16	2	2	6	2
31	82	.....	16	21	.....	136	.....	21	.....	2	3	.....

Daily discharge, in second-feet, of Hackensack River at New Milford, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	2	114	181	311	54	568	27	109	52	23	533	683
2	2	158	228	207	56	394	25	90	54	24	1,340	2,050
3	2	154	228	110	338	228	25	93	54	16	988	1,920
4	2	122	183	69	503	116	21	92	58	12	227	1,180
5	2	72	97	69	420	116	18	44	87	7	97	860
6	2	75	77	69	238	120	18	19	116	13	97	602
7	2	78	47	69	161	120	48	23	90	14	105	602
8	2	58	63	72	58	185	87	25	69	18	109	553
9	4	40	97	72	58	273	84	46	56	27	677	338
10	15	427	97	69	61	319	86	228	54	29	752	238
11	7	568	97	66	63	259	75	398	55	16	412	193
12	4	373	101	66	61	200	63	337	85	15	256	112
13	6	248	121	75	66	200	58	136	95	7	116	160
14	7	184	167	123	66	197	52	132	90	4	120	209
15	8	109	144	167	170	190	45	136	70	2	581	132
16	10	168	93	124	248	195	45	132	65	2	733	84
17	17	263	97	124	243	195	58	109	15	10	329	87
18	12	381	93	108	326	190	56	87	2	120	258	87
19	9	441	90	42	382	195	56	90	10	124	263	87
20	14	385	75	45	382	162	54	90	14	105	323	146
21	11	278	47	274	354	230	54	66	12	75	303	187
22	13	235	47	510	233	172	218	61	16	54	156	117
23	38	181	47	527	167	150	220	62	27	520	114	76
24	58	181	47	321	172	150	97	334	32	1,040	171	63
25	224	167	52	270	246	150	93	592	23	782	93	61
26	432	132	56	167	497	115	90	401	52	385	93	58
27	354	195	54	130	786	69	105	326	47	322	390	266
28	354	284	218	85	772	68	163	326	38	441	503	342
29	253	172	441	49	.....	43	158	229	32	338	503	61
30	121	93	482	52	.....	11	124	185	25	82	503	3
31	87	.....	437	54	.....	25	.....	104	.....	18	403	.....
1927-28												
1	2	97	228	258	167	172	289	325	56	490	195	176
2	4	131	228	268	163	176	175	228	56	151	176	185
3	3	462	308	263	130	176	120	228	58	68	141	209
4	9	1,220	376	263	88	181	181	180	58	47	109	268
5	2	1,000	314	207	90	181	238	112	227	52	87	200
6	125	752	284	81	87	132	201	116	439	1,420	97	167
7	209	602	301	78	142	93	112	112	326	1,200	141	185
8	224	462	497	75	438	93	93	109	158	561	145	167
9	238	298	707	72	636	90	90	109	211	382	141	141
10	195	218	600	75	460	144	90	105	406	732	178	116
11	112	350	452	78	268	248	93	89	200	721	315	93
12	40	379	362	102	268	243	187	54	136	191	243	81
13	490	238	315	181	195	297	243	52	82	606	141	72
14	727	193	448	176	106	412	243	47	61	781	112	66
15	401	154	536	176	650	374	195	47	464	535	90	56
16	176	175	536	172	893	289	112	42	546	354	75	52
17	173	223	489	176	479	289	109	39	268	259	90	52
18	808	544	412	176	357	289	92	508	243	233	181	56
19	1,290	584	293	150	330	284	56	447	494	238	163	583
20	1,310	319	181	161	204	284	52	105	782	238	105	509
21	664	167	181	273	150	264	38	140	403	264	81	204
22	440	206	185	263	154	218	42	214	326	281	116	97
23	321	278	185	172	695	223	348	214	369	214	258	34
24	303	278	185	76	1,250	218	744	177	412	209	218	32
25	234	236	153	379	650	223	637	112	412	161	289	24
26	172	194	78	512	412	218	394	109	246	75	960	40
27	172	238	78	326	339	218	243	112	105	40	1,020	81
28	215	228	78	276	253	163	727	112	105	82	751	120
29	268	228	122	185	227	109	797	82	167	434	306	128
30	190	228	230	128	.....	437	503	58	432	227	172	124
31	97	.....	258	94	.....	584	.....	58	.....	134	130	.....

NOTE.—These tables indicate discharge over waste weirs only. Braced figures show estimated mean discharge for periods indicated. Discharge Jan. 24-31, Feb. 28, 1925, Jan. 27, 28, and June 11-17, 1927, when gage heights are missing, determined by graphic study of hydrograph, precipitation records, and records of gage heights in Oradell reservoir.

Monthly discharge of Hackensack River at New Milford, for the years ending September 30, 1922-1928.

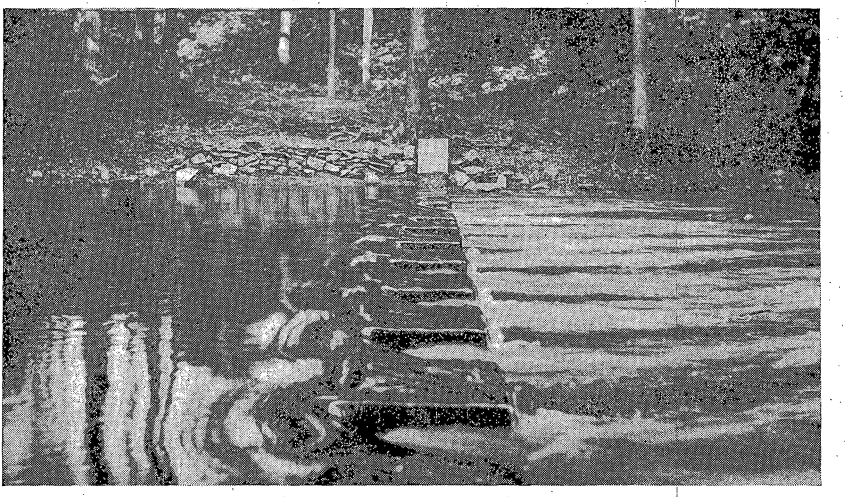
[Drainage area, 113 square miles.]

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1921-22						
October 28-31	0	0	0	52.0	0.460	0.07
November	162	0	17.9	68.9	.610	.68
December	170	0	47.7	104	.920	1.06
January	48	0	6.2	61.2	.542	.62
February	562	0	167	224	1.98	2.06
March	1,230	85	350	404	3.58	4.13
April	434	0	187	238	2.11	2.35
May	770	0	131	182	1.61	1.86
June	137	0	27.1	81.1	.718	.80
July	434	0	25.3	82.7	.732	.84
August	225	0	23.4	81.4	.720	.83
September	284	0	54.4	113	1.00	1.12
1922-23						
October	0	0	0	58.9	0.521	0.60
November	305	0	39.5	96.1	.850	.95
December	114	0	6.29	62.2	.550	.63
January	918	0	175	262	2.32	2.68
February	122	42	94.4	142	1.26	1.31
March	1,310	37	463	529	4.68	5.40
April	842	27	141	203	1.80	2.01
May	562	0	91.5	147	1.30	1.50
June	42	0	11.2	68.3	.604	.67
July	27	0	3.4	34.4	.304	.35
August	14	0	2.4	21.8	.193	.22
September	0	0	0	48.4	.428	.48
The year	1,310	0	85.9	140	1.24	16.80
1923-24						
October	18	0	0.9	94.8	0.839	0.97
November	0	0	0	72.1	.638	.71
December	530	0	143	210	1.86	2.14
January	735	48	232	277	2.45	2.82
February	530	37	112	165	1.46	1.58
March	497	56	210	256	2.27	2.62
April	1,490	85	403	453	4.01	4.47
May	842	27	302	356	3.15	3.63
June	192	0	56.5	110	.973	1.09
July	231	0	18.4	58.9	.521	.60
August	0	0	0	51.0	.451	.52
September	186	0	38.5	55.0	.487	.54
The year	1,490	0	126	180	1.59	21.69
1924-25						
October	443	2	59.1	86.9	0.769	0.89
November	344	2	27.3	68.3	.604	.67
December	157	2	40.6	94.8	.839	.97
January	18	2	5.10	55.0	.487	.56
February	1,310	2	352	405	3.58	3.73
March	879	47	284	353	3.12	3.60
April	366	25	96.9	167	1.48	1.65
May	433	2	104	149	1.32	1.52
June	66	2	8.47	53.1	.470	.52
July	235	2	42.1	98.2	.869	1.00
August	472	2	48.8	87.4	.773	.89
September	108	2	24.3	53.6	.474	.53
The year	1,310	2	89.4	138	1.22	16.53

Monthly discharge of Hackensack River at New Milford, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1925-26						
October	160	2	24.6	62.9	0.557	0.64
November	425	23	134	162	1.43	1.60
December	463	16	157	197	1.74	2.01
January	420	16	117	161	1.42	1.64
February	744	21	195	250	2.21	2.30
March	936	90	373	407	3.60	4.15
April	412	2	160	232	2.05	2.29
May	105	2	25.6	89.6	.793	.91
June	45	2	13.0	51.1	.452	.50
July	4	2	2.06	32.8	.290	.33
August	61	2	12.9	69.7	.617	.71
September	75	2	13.1	51.1	.452	.50
The year	936	2	102	147	1.30	17.58
1926-27						
October	432	2	66.9	104	0.920	1.06
November	568	40	211	247	2.19	2.44
December	482	47	139	172	1.52	1.75
January	527	42	145	194	1.72	1.98
February	786	54	256	268	2.37	2.47
March	568	11	181	249	2.20	2.54
April	220	18	77.4	138	1.22	1.36
May	592	19	165	192	1.70	1.96
June	116	2	49.8	106	.938	1.05
July	1,040	2	150	185	1.64	1.89
August	1,340	93	373	411	3.64	4.20
September	2,050	3	385	405	3.58	3.99
The year	2,050	2	183	222	1.96	26.69
1927-28						
October	1,310	2	319	370	3.27	3.77
November	1,220	97	356	392	3.47	3.87
December	707	78	310	360	3.19	3.68
January	512	72	189	232	2.05	2.36
February	1,250	87	355	400	3.54	3.82
March	584	90	236	281	2.49	2.87
April	797	38	248	305	2.70	3.01
May	508	39	143	203	1.82	2.10
June	782	56	275	316	2.80	3.12
July	1,420	40	367	437	3.87	4.46
August	1,020	75	233	281	2.49	2.87
September	583	24	144	181	1.60	1.78
The year	1,420	2	263	313	2.77	37.71

NOTE.—Observed discharge is flow over waste weirs. No correction for storage at Oradell made prior to Jan. 1, 1923. No correction made for evapora tion.



(a) *Control at low water.*



(b) *Control at high water.*

Gaging station on Passaic River near Millington.

PASSAIC RIVER BASIN.

Passaic River Near Millington.

LOCATION.—1903-1906 at lower highway bridge, Millington, Somerset County.

1921-1928 at highway bridge known as Davison Bridge, one mile upstream from Millington, 1½ miles below mouth of Black Brook, and three-fourths mile upstream from gaging station formerly maintained at Millington.

DRAINAGE AREA.—57 square miles for station maintained 1903-1906. 55 square miles for station maintained 1921-1928.

RECORDS AVAILABLE.—At Millington November 25, 1903, to July 15, 1906. Near Millington, three-fourths mile upstream, November 10, 1921, to September 30, 1928.

EQUIPMENT.—1903-1906: Chain gage fastened to wooden hand rail on downstream side of bridge at Millington.

1921 to September 1, 1923: Inclined staff gage on right bank 400 feet below Davison Bridge.

November 1, 1923-July 2, 1925: Inclined staff gage on right bank 200 feet below Davison Bridge.

July 2, 1925-September 30, 1928: Water-stage recorder on right bank 200 feet below Davison Bridge.

CHANNEL AND CONTROL.—1903-1906: Channel, gravel with few scattered boulders.

1921 to September 1, 1923: Channel, coarse gravel and rock; control, narrow section in channel and rocky riffle 100 feet below gage.

November 1, 1923-September 30, 1928: Channel, coarse gravel; a low concrete control 80 feet downstream from gage effective during low and medium stages; riffle 300 feet below gage control at high stages.

EXTREMES OF DISCHARGE.—1903-1906, 1922-1928: Maximum stage recorded, 7.50 feet March 8, 1904 (discharge, 2,000 second-feet); minimum discharge, 2.5 second-feet from current meter measurement October 18, 1923.

Daily discharge, in second-feet, of Passaic River near Millington, for the years ending September 30, 1922-1928.

Day	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22											
1	.....	72	12	8.7	143	210	108	23	40	32	37
2	.....	44	7.5	114	121	286	102	26	188	55	35
3	.....	87	2.6	300	108	222	102	51	210	44	21
4	.....	87	2.6	272	108	160	108	108	315	55	37
5	.....	68	12	222	169	143	234	97	375	44	97
6	.....	59	16	160	210	121	286	121	345	33	87
7	.....	44	19	121	375	108	210	121	286	26	55
8	.....	37	13	92	509	121	151	121	234	24	29
9	.....	31	9.5	72	438	108	92	68	160	18	27
10	12	26	10	44	330	92	64	48	121	15	20
11	6.3	27	9.5	37	286	77	51	48	72	14	16
12	9.1	25	9.5	36	315	87	48	48	59	16	20
13	10	31	9.5	64	286	82	37	33	59	15	23
14	6.3	24	7.5	77	246	68	31	26	143	14	23
15	12	15	5.5	72	188	82	37	24	143	16	16
16	7.9	13	5.5	48	160	151	44	24	97	14	15
17	16	12	5.5	40	121	121	33	20	64	11	12
18	20	40	5.5	40	102	135	55	33	44	12	9.1
19	13	59	8.7	30	87	114	259	36	55	14	7.5
20	19	51	13	77	178	108	259	27	44	17	10
21	27	36	25	234	272	87	222	30	37	14	11
22	20	27	34	210	234	72	151	33	36	14	10
23	15	20	37	234	169	59	108	21	59	12	10
24	14	16	31	272	121	51	68	17	59	10	10
25	12	44	18	210	97	44	48	16	114	9.1	10
26	12	34	7.5	151	87	44	48	17	135	15	11
27	13	30	2.6	143	82	37	36	30	108	21	11
28	26	24	2.6	188	87	33	30	36	72	15	9.1
29	72	20	2.6	.....	82	33	27	23	51	15	11
30	92	17	4.0	.....	72	121	27	16	48	14	11
31	.....	13	4.3	.....	77	.....	27	.....	33	15	.....

Daily discharge, in second-feet, of Passaic River near Millington, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1922-23											
1	11	8	7	259	48	51	68	315	10	6	7
2	9	8	7	360	48	55	59	222	9	6	6
3	7	12	7	286	59	108	59	135	10	8	6
4	7	12	10	210	68	210	68	97	27	8	6
5	7	11	12	169	55	438	108	82	19	15	6
6	7	14	12	114	44	259	160	64	12	16	6
7	7	15	14	64	40	199	151	51	21	9	6
8	11	10	14	51	40	199	128	48	48	10	5
9	14	9	14	51	37	128	114	48	40	10	5
10	17	9	11	64	48	102	97	44	25	8	5
11	15	9	11	51	51	143	77	40	15	7	5
12	14	9	14	51	36	169	64	40	12	6	5
13	12	9	9	51	40	345	59	48	11	6	5
14	10	9	9	40	37	406	51	40	9	5	5
15	10	10	14	36	37	375	48	37	10	5	5
16	11	11	12	36	44	375	48	36	9	17	4
17	11	9	14	36	48	650	44	44	8	23	4
18	11	7	14	36	44	700	40	33	7	17	4
19	10	7	11	33	40	588	40	29	7	13	4
20	8	8	8	27	33	430	36	26	7	8	4
21	8	7	14	68	29	330	34	44	6	5	3
22	8	8	11	121	30	234	30	44	6	5	4
23	9	7	11	114	29	246	29	36	6	7	5
24	12	7	11	114	21	246	28	24	6	10	4
25	12	7	11	121	36	222	24	19	6	16	4
26	11	7	11	121	48	188	24	16	6	14	4
27	9	7	12	121	48	160	23	14	5	13	5
28	9	7	44	92	51	135	23	13	5	10	5
29	8	7	59	77	.....	121	234	12	6	10	6
30	9	7	77	68	.....	92	375	10	6	9	10
31	8	.....	169	59	.....	82	.....	10	.....	8	6

Day	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24											
1	35	100	134	56	54	91	164	80	51	8.3	8.3
2	28	100	118	54	67	86	125	70	42	7.9	7.1
3	23	83	268	54	73	113	103	61	35	8.7	18
4	20	54	319	54	93	154	96	56	28	7.9	15
5	20	70	243	67	154	196	80	51	24	6.8	10
6	18	196	208	219	268	293	70	47	23	6.4	8.7
7	20	219	243	174	319	1,020	70	49	21	8.7	8.3
8	20	185	96	150	219	980	100	50	37	9.9	7.5
9	17	138	61	106	196	735	372	51	130	8.7	16
10	13	113	56	70	174	460	490	52	100	9.9	103
11	14	93	196	64	319	332	430	44	83	9.9	100
12	14	73	219	56	306	150	665	44	73	40	54
13	13	64	164	52	306	150	665	44	73	40	54
14	14	61	126	44	268	126	525	44	75	31	37
15	12	59	100	36	219	111	400	51	54	24	28
16	12	55	73	30	154	96	293	42	40	19	23
17	12	49	372	30	120	86	219	36	32	15	22
18	11	43	332	28	103	130	154	31	27	11	23
19	11	35	280	27	94	460	154	27	24	11	18
20	10	30	219	27	90	400	144	24	21	11	14
21	9.5	36	174	51	84	358	136	23	18	11	11
22	8.7	44	113	66	80	256	130	21	17	10	14
23	11	174	59	59	77	219	123	19	17	9.5	42
24	42	219	47	52	75	185	123	18	17	9.1	39
25	43	185	91	47	75	134	138	67	18	8.7	30
26	36	150	130	41	80	93	125	154	12	27	21
27	30	113	108	38	120	60	108	150	10	29	15
28	25	100	64	41	154	44	110	138	9.5	22	12
29	22	116	56	47	152	80	110	100	11	15	14
30	23	110	54	.....	144	86	103	67	12	11	103
31	.....	108	56	.....	123	.....	93	.....	9.5	10	.....

Daily discharge, in second-feet, of Passaic River near Millington, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	268	17	17	14	18	595	130	60	19	35	315	7.5
2	256	18	14	14	21	525	113	56	21	27	372	7.5
3	219	15	14	14	22	430	102	54	21	19	293	7.1
4	196	14	13	14	22	345	91	42	18	15	243	7.9
5	164	12	27	14	24	280	86	31	18	14	196	9.9
6	134	14	73	14	25	231	70	30	16	14	150	9.5
7	106	15	73	14	25	231	61	28	15	12	113	23
8	73	15	93	14	26	219	56	27	15	12	80	37
9	58	16	100	14	27	196	49	26	14	10	64	28
10	51	14	96	14	29	174	60	27	18	17	78	19
11	47	16	93	14	56	164	56	32	15	23	75	15
12	40	16	86	14	196	164	49	64	14	20	58	13
13	35	17	73	14	430	164	43	52	12	14	50	12
14	30	18	64	14	565	134	56	51		12	42	13
15	27	18	61	14	565	120	86	40		10	36	13
16	24	17	59	14	525	106	113	31	20	11	29	39
17	22	17	59	17	460	110	96	32		34	23	67
18	20	16	56	19	430	144	80	26		35	20	71
19	17	12	51	19	400	306	81	20		24	18	56
20	18	12	50	19	372	372	70	20	19	15	16	36
21	17	13	47	19	358	332	56	19	17	12	16	22
22	18	17	48	19	372	268	54	18	17	13	17	17
23	17	52	56	18	430	174	44	17	18	14	15	14
24	15	44	77	17	565	130	43	24	13	12	12	14
25	17	35	86	16	700	113	44	56	21	12	16	12
26	15	27	80	16	665	100	44	64	31	20	12	9.9
27	16	25	59	16	595	150	43	54	31	28	11	12
28	16	20	37	16	595	164	41	44	25	27	10	12
29	14	19	22	16	.....	138	34	38	22	44	11	11
30	16	18	15	16	.....	126	40	31	38	40	9.1	10
31	17	.....	14	16	.....	130	.....	24	.....	82	8.3	.....
1925-26												
1	11	78	280	20	96	386	138	33	19	7.9	14	15
2	9.9	67	280	21	81	372	125	29	25	8.3	14	24
3	20	59	280	24	74	400	113	27	24	7.5	12	52
4	27	52	280	25	34	319	138	25	20	7.1	9.9	54
5	52	47	460	30	21	196	125	23	18	7.1	8.7	
6	59	52	490	39	20	121	110	21	16	9.5	7.9	
7	51	58	400	37	21	215	103	21	18	9.9	7.9	300
8	35	58	319	25	23	525	130	21	18	7.1	7.1	
9	27	64	243	22	20	460	208	20	16	9.5	6.1	
10	27	60	185	23	20	306	164	18	14	7.5	6.1	
11	20	54	144	19	20	208	140	18	12	9.1	4.0	243
12	18	52	120	19	20	164	113	17	12	9.1	9.1	170
13	17	245	110	17	20	120	96	16	14	8.7	54	120
14	17	319	96	16	25	110	83	19	13	8.3	67	90
15	61	280	78	15	36	95	75	27	16	8.7	64	63
16	83	280	73	16	58	85	66	33	15	9.9	67	49
17	90	280	66	15	73	80	61	55	15	9.9	110	40
18	83	219	58	38	69	73	55	49	12	11	130	34
19	70	174	54	173	160	77	48	40	12	17	116	29
20	55	142	51	138	256	90	44	37	11	17	93	25
21	44	110	56	120	208	106	40	30	9.5	11	66	21
22	38	110	54	147	152	113	39	26	11	10	49	18
23	36	110	67	128	118	120	37	23	12	7.9	39	15
24	37	110	70	75	86	142	37	20	15	9.1	38	18
25	121	110	59	44	154	140	48	18	15	23	48	18
26	208	110	44	30	595	146	46	16	12	27	48	17
27	196	110	36	27	630	164	38	14	12	17	46	16
28	164	110	28	24	525	142	36	16	10	12	36	16
29	142	110	21	18	.....	120	37	13	9.5	9.5	30	24
30	116	110	21	16	.....	103	34	16	8.7	16	23	23
31	91	.....	19	32	.....	103	.....	13	.....	15	18	.....

Daily discharge, in second-feet, of Passaic River near Millington, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	23	136	164	185	108	243	64	55	121	22	156	280
2	18	136	138	126	100	164	60	47	94	18	243	332
3	17	120	110	100	102	146	64	43	78	20	231	306
4	16	105	106	90	110	128	61	40	67	17	185	256
5	15	90	65	96	105	106	66	40	81	15	146	208
6	18	78	55	98	90	91	64	37	96	14	111	174
7	21	70	55	81	80	91	60	36	81	13	81	134
8	17	58	55	66	78	103	51	31	64	20	86	108
9	14	63	58	61	78	130	47	34	55	20	293	88
10	18	134	56	50	83	130	40	44	44	15	332	78
11	14	164	55	40	81	118	36	73	37	17	280	73
12	15	142	52	33	71	110	34	71	33	15	243	64
13	14	126	51	28	70	110	34	60	27	15	196	58
14	13	116	60	37	66	113	31	46	32	13	174	52
15	13	98	70	36	77	125	28	61	50	14	185	48
16	13	125	48	32	111	120	27	73	44	17	196	43
17	16	268	32	34	114	110	29	66	36	20	174	40
18	20	243	30	36	144	103	29	54	30	24	164	35
19	30	243	30	37	154	100	27	51	33	18	164	39
20	36	243	29	55	88	102	27	69	59	15	146	44
21	70	196	30	208	100	123	24	66	61	16	125	41
22	75	154	34	332	102	152	61	56	50	15	105	36
23	63	130	34	306	100	128	86	50	39	131	90	30
24	56	111	30	256	134	111	69	118	33	293	77	30
25	144	98	29	185	219	96	55	260	29	306	66	27
26	208	91	34	105	400	86	50	345	27	256	55	25
27	185	111	130	67	400	81	51	400	26	219	126	23
28	164	114	130	49	345	80	96	358	21	164	208	21
29	142	100	150	67	.....	77	91	280	19	121	293	23
30	116	126	170	96	.....	71	67	219	21	80	306	23
31	108	.....	200	118	.....	69	.....	154	.....	69	268	.....
1927-28												
1	23	61	81	100	47	120	185	256	30	78	102	280
2	21	59	96	100	46	110	146	174	27	70	83	196
3	21	93	154	90	40	110	120	134	24	75	71	164
4	54	208	150	75	39	95	100	114	24	75	64	154
5	93	231	126	55	67	85	85	103	38	112	60	138
6	80	208	174	50	73	70	75	94	83	518	65	130
7	64	185	196	51	61	60	65	86	108	565	70	152
8	51	154	400	55	262	60	60	78	91	460	65	150
9	48	132	490	61	430	55	55	73	67	386	60	132
10	63	113	372	64	345	48	50	70	71	293	60	114
11	64	102	293	63	256	61	50	67	64	231	60	98
12	58	93	256	63	174	83	60	66	47	208	61	80
13	93	84	256	64	126	154	75	61	36	231	60	83
14	125	77	293	67	111	208	75	54	35	293	49	144
15	113	70	280	66	466	208	80	48	60	400	39	154
16	100	67	243	63	386	185	67	44	67	358	34	125
17	91	70	243	58	306	150	59	41	52	293	51	106
18	243	126	208	58	231	120	58	49	37	243	128	88
19	595	154	174	64	190	130	46	69	40	196	128	88
20	665	126	144	152	170	130	37	71	69	154	103	152
21	595	114	113	185	160	120	34	70	75	126	83	164
22	460	105	103	108	170	110	108	61	83	106	108	144
23	345	94	94	75	260	110	219	54	105	111	208	125
24	256	90	83	65	550	105	525	46	134	125	219	106
25	196	88	75	100	400	100	460	38	146	110	196	88
26	148	81	65	300	220	100	332	38	125	96	208	78
27	120	75	65	220	150	98	219	44	93	83	532	70
28	100	75	60	91	140	88	386	51	64	142	665	64
29	86	83	75	67	130	80	460	49	52	196	665	60
30	77	84	91	59	.....	154	372	39	70	154	525	60
31	67	.....	95	48	.....	219	.....	33	.....	121	386	.....

NOTE.—Stage-discharge relation affected by ice, Dec. 22, 29, 30, 1921; Jan. 15, 16, Feb. 22, 23, 1922; Dec. 15, 18, 19, 26, 1925; Jan. 23, Feb. 9-13, Mar. 13-17, Dec. 5-8, 16-19, 1926; Jan. 15-17, Dec. 31, 1927; and Jan. 1, 2, 1928. No gage height record Oct. 24, 25, Dec. 25, 1922; Jan. 14, Feb. 18, Mar. 17, 18, 20, Sept. 1-30, 1923; June 14-19, Nov. 21-30, Dec. 1-4, 1925; Sept. 5-10, 12-14, Dec. 26-31, 1926; Dec. 25-29, 1927; Jan. 3-6, 23-27, Feb. 19-29, Mar. 1-6, 18-23, April 3-13 and Aug. 5-10, 1928. Discharge for these periods determined by graphic study of gage heights, weather records, and stream flow records of nearby streams. Mean discharge estimated for September, 1923, 9 second-feet.

Monthly discharge of Passaic River near Millington, for years ending September 30, 1904-1906 and 1922-1928.

[Drainage area, 55* square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1903-04					
November	80	56	65.3	1.15	0.26
December	858	26	130	2.28	2.63
January	.....	.....	80	1.40	1.61
February	.....	.....	100	1.75	1.89
March	1,750	.....	277	4.86	5.60
April	600	39	152	2.67	2.98
May	194	17	58.1	1.02	1.18
June	104	12	37.2	.653	.73
July	72	11	23.7	.416	.48
August	260	24	102	1.79	2.06
September	907	14	155	2.72	3.03
1904-05					
October	616	20	106	1.86	2.14
November	194	35	67.1	1.18	1.32
December	.....	.....	50	.877	1.01
January	.....	.....	130	2.28	2.63
February	.....	.....	30	.526	.55
March	1,180	.....	330	5.79	6.68
April	296	47	107	1.88	2.10
May	60	24	35.2	.618	.71
June	56	14	24.3	.426	.48
July	52	8	15.8	.277	.32
August	180	12	39.1	.686	.79
September	367	17	133	2.33	2.60
The year	.....	.....	89.5	1.57	21.33
1905-06					
October	150	19	40.9	.718	.83
November	341	17	36.0	.632	.71
December	346	35	138	2.42	2.79
January	372	52	125	2.19	2.52
February	.....	.....	75	1.32	1.38
March	.....	.....	200	3.51	4.05
April	917	64	251	4.40	4.91
May	296	28	70	1.23	1.42
June	137	17	41.6	.730	.81
July 1 to 15	155	20	54.7	.960	.54
1921-22					
November	92	6.3	20.7	0.376	0.29
December	87	13	36.5	.664	.77
January	37	2.6	11.3	.205	.24
February	300	8.7	127	2.31	2.40
March	509	72	189	3.44	3.97
April	286	33	106	1.93	2.15
May	286	27	100	1.82	2.10
June	121	16	44.8	.815	.91
July	375	33	123	2.24	2.58
August	55	9.1	20.7	.376	.43
September	97	7.5	23.4	.425	.47
1922-23					
October	17	7	10.1	0.184	0.21
November	15	7	8.9	.162	.18
December	169	7	21.1	.384	.44
January	360	27	100	1.82	2.10
February	68	21	42.5	.773	.80
March	700	51	258	4.69	5.41
April	375	23	78.1	1.42	1.58
May	315	10	55.5	1.01	1.16
June	48	5	12.5	.227	.25
July	23	5	10.0	.182	.21
August	10	3	5.1	.0927	.11
September	.....	.....	9.0	.164	.18
The year	700	3	51.2	.931	12.63

*See DRAINAGE AREA in station description.

Monthly discharge of Passaic River near Millington, for years ending September 30, 1904-1906 and 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923-24					
November	43	8.7	19.6	0.356	0.40
December	219	30	102	1.85	2.13
January	219	27	154	2.80	3.23
February	219	27	63.4	1.15	1.24
March	372	54	156	2.84	3.27
April	1,020	44	258	4.69	5.23
May	665	70	209	3.80	4.38
June	154	18	57.1	1.04	1.16
July	130	9.5	36.6	.665	.77
August	40	6.4	14.2	.258	.30
September	103	7.1	29.9	.544	.61
The year	1,020	6.4	100	1.82	22.72
1924-25					
October	268	14	64.0	1.16	1.34
November	52	12	19.3	.351	.39
December	100	13	55.3	1.01	1.16
January	19	14	15.6	.284	.33
February	700	18	304	5.53	5.76
March	595	100	220	4.00	4.61
April	130	34	66.4	1.21	1.35
May	64	17	36.7	.667	.77
June	31	12	19.6	.356	.40
July	82	10	21.8	.396	.46
August	372	8.3	77.7	1.41	1.63
September	71	7.1	20.8	.378	.42
The year	700	7.1	75.4	1.37	18.62
1925-26					
October	208	9.9	65.4	1.19	1.37
November	319	47	125	2.27	2.53
December	.....	19	147	2.67	3.08
January	173	15	44.9	.816	.94
February	630	20	129	2.35	2.45
March	525	73	187	3.40	3.92
April	208	34	84.2	1.53	1.71
May	55	13	24.3	.442	.51
June	25	8.7	15.5	.264	.29
July	27	7.1	11.2	.204	.24
August	130	4.0	40.3	.733	.85
September	.....	15	99.8	1.81	2.02
The year	630	4.0	80.6	1.47	19.91
1926-27					
October	208	13	54.6	.993	1.14
November	268	58	133	2.42	2.70
December	200	29	73.9	1.34	1.54
January	332	28	100	1.82	2.10
February	400	66	132	2.40	2.50
March	243	69	113	2.05	2.36
April	96	24	51.0	.927	1.03
May	400	31	108	1.96	2.26
June	121	19	49.6	.902	1.01
July	306	13	64.9	1.18	1.36
August	332	55	178	3.24	3.74
September	332	21	91.3	1.66	1.85
The year	400	13	95.7	1.74	23.59

Monthly discharge of Passaic River near Millington, for years ending September 30, 1904-1906 and 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1927-28					
October	665	21	165	3.00	3.46
November	231	59	110	2.00	2.23
December	490	60	179	3.25	3.75
January	300	48	88.3	1.61	1.86
February	550	39	207	3.76	4.06
March	219	48	114	2.07	2.39
April	525	34	155	2.82	3.15
May	256	33	73.4	1.33	1.53
June	146	24	67.2	1.22	1.36
July	565	70	213	3.87	4.46
August	665	34	168	3.05	3.52
September	280	60	123	2.24	2.50
The year	665	21	139	2.53	34.27

NOTE.—Data for years ending 1903-1906 are for the station that was maintained at Millington (drainage area, 57 square miles) and are republished from United States Geological Survey Water-Supply Paper 202. Mean discharge for September, 1923, estimated by comparison with records for nearby streams.

Passaic River Near Chatham.

LOCATION.—At the second bridge, 1½ miles upstream from Chatham and 3 miles upstream from mouth of Canoe Brook.
DRAINAGE AREA.—101 square miles.
RECORDS AVAILABLE.—February 10, 1903, to December 31, 1911.
EQUIPMENT.—Chain gage attached to bridge.
CHANNEL.—Rocky and fairly permanent.
CO-OPERATION.—Station established and maintained by the United States Weather Bureau.

Monthly discharge of Passaic River near Chatham, for years ending September 30, 1903-1912.

[Drainage area, 101 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1903					
February, 10-28	1,302	206	610	6.04	4.27
March	1,770	124	674	6.67	7.69
April	1,077	61	381	3.77	4.21
May	44	2	7.5	.074	.085
June	1,132	2	334	3.31	3.69
July	611	17	158	1.56	1.80
August	914	29	288	2.85	3.29
September	1,188	29	329	3.26	3.64
1903-04					
October	2,312	17	576	5.70	6.57
November	176	29	71.5	.708	.790
December	1,132	17	372	3.68	4.24
March, 11-31	1,022	149	348	3.45	2.69
April	861	61	253	2.50	2.79
May	312	17	92.8	.919	1.06
June	149	4	46.9	.464	.518
July	176	4	37.7	.373	.430
August	809	17	256	2.53	2.92
September	1,593	4	261	2.58	2.88

Monthly discharge of Passaic River near Chatham, for years ending September 30, 1903-1912—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1904-5					
October	809	17	169	1.67	1.92
November	433	44	114	1.13	1.26
December, 1-8	29	17	23.0	.228	.068
January, 17 days	2,986	206	1,400	13.86	8.79
March, 18-31	1,593	312	960	9.50	4.95
April	565	44	169	1.67	1.86
May	80	9	34.7	.344	.397
June	80	9	34.1	.338	.377
July	274	4	21.2	.210	.242
August	708	2	96.9	.959	1.11
September	1,022	17	276	2.73	3.05
1905-6					
October	391	2	43.5	0.431	0.50
November	476	4	27.4	.271	.30
December	565	9	234	2.32	2.68
January	565	61	203	2.01	2.32
February	659	.....	122	1.21	1.26
March	968	.....	293	2.90	3.34
April	1,190	101	427	4.23	4.72
May	520	17	98.7	.977	1.13
June	274	9	80.9	.801	.89
July	611	4	133	1.32	1.52
August	391	17	140	1.39	1.60
September	17	2	4.7	.047	.05
The year	1,190	2	151	1.50	20.31
1906-7					
October	149	2	34.7	0.344	0.40
November	206	17	67.3	.666	.74
December	520	9	85.3	.845	.97
January	1,360	.....	577	5.71	6.53
February	.....	.....	50	.495	.52
March	2,860	.....	700	6.93	7.99
April	575	45	179	1.77	1.98
May	980	60	275	2.72	3.14
June	235	20	64.6	.640	.71
July	77	12	29.5	.292	.34
August	60	8	17.6	.174	.20
September	875	20	135	1.34	1.50
The year	2,860	2	186	1.84	25.07
1907-8					
October	825	12	210	2.08	2.40
November	1,200	60	459	4.54	5.06
December	1,090	31	331	3.28	3.78
January	1,090	.....	303	3.00	3.46
February	1,600	.....	297	2.94	3.17
March	925	144	360	3.56	4.10
April	235	31	89.5	.886	.99
May	1,260	60	368	3.64	4.20
June	310	31	93.4	.925	1.03
July	235	12	52.1	.516	.59
August	235	8	52.3	.518	.60
September	97	12	34.4	.341	.38
The year	1,600	8	221	2.19	29.76
1908-9					
October	350	12	57.8	.572	.66
November	172	12	33.6	.333	.37
December	575	12	133	1.32	1.52
January	825	.....	182	1.80	2.08
February	1,360	.....	438	4.34	4.52
March	625	20	237	2.35	2.71
April	925	20	299	2.96	3.30
May	825	20	149	1.48	1.71
June	45	20	26.1	.258	.29
July	31	12	17.5	.173	.20
August	271	12	37.0	.366	.42
September	45	8	16.3	.161	.18
The year	1,360	8	133	1.32	17.94

Monthly discharge of Passaic River near Chatham, for years ending September 30, 1903-1912—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1909-10					
October	20	8	10.8	.107	.12
November	60	8	14.0	.139	.16
December	825	.....	129	1.28	1.48
January	1,660	.....	354	3.50	4.04
February	.....	.....	152	1.50	1.56
March	2,260	20	507	5.02	5.79
April	575	12	123	1.22	1.36
May	235	20	58.8	.582	.67
June	575	20	141	1.40	1.56
July	45	8	17.6	.174	.20
August	45	8	23.1	.229	.26
September	45	12	17.4	.172	.19
The year	2,260	8	129	1.28	17.39
1910-11					
October	31	8	14.2	.141	.16
November	525	12	74.5	.738	.82
December	480	.....	67.6	.669	.77
January	1,000	20	153	1.51	1.74
February	310	20	96.7	.957	1.00
March	435	12	94.5	.936	1.08
April	480	20	148	1.47	1.64
May	20	8	12.4	.123	.14
June	271	31	91.0	.901	1.01
July	45	12	20.9	.207	.24
August	119	8	19.3	.191	.22
September	390	8	50.5	.500	.56
The year	1,000	8	69.8	.691	9.38
1911					
October	480	12	120	1.19	1.37
November	310	20	87.4	.865	.97
December	350	20	81.8	.810	.93

NOTE.—Data republished from United States Geological Survey Water-Supply Papers 166, 202, 241, 261, 281, and 301.

Passaic River at Paterson.

LOCATION.—At hydro-electric power plant of The Society for Establishing Useful Manufactures in Paterson, Passaic County.

DRAINAGE AREA.—785 square miles.

RECORDS AVAILABLE.—January, 1898, to September 30, 1928.

DIVERSIONS AND REGULATION.—In the monthly discharge table, correction has been made for water diverted above Paterson by Passaic Consolidated Water Company at Little Falls, Newark waterworks at Macopin Intake dam, Jersey City waterworks at Boonton, Commonwealth Water Company at Canoe Brook well field, East Orange waterworks at Canoe Brook well field, and the Morris Canal. Diversions by Passaic Consolidated Water Company, Newark, and Jersey City are measured by Venturi meters; diversions by Commonwealth Water Company and East Orange measured by piston displacement; diversion by Morris Canal estimated.

In monthly discharge table, correction has been made for storage in the Newark reservoirs at Oak Ridge, Clinton, Canistear, and Echo Lake, in the Jersey City reservoir at Boonton, in Greenwood Lake and in Wanaque reservoir. No correction was made for evaporation from the surface of the various reservoirs, which comprise about 1 per cent. of the total drainage area.

CO-OPERATION.—Base data furnished by John H. Cook, Deputy Governor, The Society for Establishing Useful Manufactures, by Passaic Consolidated Water Company, Newark waterworks, Jersey City waterworks, Commonwealth Water Company, and East Orange waterworks.

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1897												
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,440
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,660
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,600
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,270
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,180
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,010
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	923
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	749
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	763
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	653
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	496
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	496
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	456
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	454
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	456
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,920	462
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,700	427
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,410	324
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,320	415
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,090	389
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,020	388
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,150	378
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,580	373
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,160	458
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,380	381
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,330	388
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,890	462
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,530	446
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,060	404
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,910	335
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,640	.....
1897-98												
1	317	526	1,040	1,400	1,580	2,840	2,710	2,400	2,240	396	447	368
2	246	1,460	930	1,250	1,400	2,470	2,300	2,270	1,980	329	380	309
3	253	1,440	1,000	1,150	1,570	2,180	2,200	2,180	1,750	392	374	329
4	346	1,520	775	1,020	1,340	2,180	2,140	1,980	1,400	414	541	362
5	311	1,460	1,370	1,040	1,350	2,190	1,870	2,010	1,300	376	1,130	398
6	308	1,010	1,490	1,020	1,330	1,600	1,700	2,120	1,310	344	1,210	287
7	281	999	1,440	1,080	1,390	1,620	1,640	2,480	1,080	365	1,040	280
8	295	1,060	1,580	1,250	1,410	1,500	1,620	4,650	944	369	805	325
9	228	996	1,490	1,100	1,470	1,350	1,380	5,130	811	509	629	306
10	299	885	1,350	1,190	1,510	1,320	1,300	5,610	712	405	933	266
11	331	897	1,130	1,200	1,850	1,230	1,350	5,090	562	301	1,910	279
12	311	889	1,420	1,290	2,040	1,120	1,460	4,550	742	217	1,580	263
13	392	872	1,520	1,500	2,780	1,150	1,340	4,670	738	331	1,340	261
14	389	983	2,750	1,600	2,750	1,240	1,230	4,420	725	355	1,330	280
15	328	839	5,350	1,550	2,800	1,180	1,310	4,430	668	339	1,180	344
16	247	756	5,600	1,800	2,740	1,070	1,380	4,550	563	252	1,020	344
17	295	778	4,850	1,800	2,240	1,040	1,300	4,980	573	294	840	271
18	339	771	4,170	1,610	2,160	978	1,270	5,010	610	321	743	297
19	296	708	3,590	1,610	2,630	942	1,210	4,580	540	433	657	224
20	318	590	3,060	2,340	5,980	1,280	1,320	4,260	591	700	622	184
21	266	768	2,950	3,240	7,980	1,380	1,320	3,930	627	915	674	189
22	291	596	2,210	3,400	9,500	1,670	1,160	3,620	631	1,020	533	216
23	226	565	1,580	5,500	8,620	2,170	1,090	3,260	569	912	427	291
24	289	444	1,290	5,640	6,850	2,350	1,900	3,460	526	868	420	406
25	407	417	1,250	5,530	5,720	2,190	2,360	3,280	419	734	810	473
26	476	476	1,110	5,130	4,400	2,070	2,640	3,280	520	625	868	301
27	547	659	1,230	4,090	3,500	2,020	2,510	3,600	496	574	590	324
28	451	1,020	1,050	3,430	3,310	2,170	2,570	3,460	465	623	531	250
29	388	1,100	997	3,000	.....	2,320	3,050	3,260	488	804	376	205
30	251	992	989	2,710	.....	2,710	2,960	3,100	455	756	375	204
31	299	.....	1,410	2,060	.....	2,720	.....	2,640	.....	598	346	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1898-99												
1	226	1,210	2,110	1,660	1,600	6,240	4,540	748	427	264	380	177
2	310	1,100	1,790	1,430	1,520	5,840	4,080	669	412	108	328	171
3	367	987	1,870	1,570	1,260	4,980	3,400	677	303	115	361	160
4	275	829	2,510	1,720	1,410	4,820	3,300	697	178	120	340	219
5	238	609	4,970	2,160	1,320	6,540	2,690	637	354	125	258	304
6	244	606	5,300	2,520	1,340	7,830	2,280	583	253	310	167	307
7	224	492	4,960	3,110	1,190	7,440	2,380	619	270	327	342	310
8	218	489	4,040	2,520	934	6,210	4,140	568	310	305	340	292
9	292	471	3,320	2,740	811	5,120	4,600	540	292	269	335	220
10	226	878	3,190	2,470	996	4,150	4,500	520	239	344	310	125
11	217	1,910	2,810	2,190	1,150	3,770	3,760	574	210	327	331	258
12	250	1,700	1,980	2,230	1,150	3,600	3,480	810	266	333	282	149
13	254	1,570	1,520	2,080	1,170	3,980	2,950	762	203	321	187	215
14	237	1,600	1,370	1,950	973	3,700	2,440	740	218	293	327	301
15	396	1,450	1,370	2,050	1,050	3,830	2,200	626	230	230	316	293
16	514	1,340	1,220	2,290	1,200	3,790	2,250	562	274	152	296	204
17	437	1,310	953	2,660	1,200	3,710	2,360	538	216	323	183	174
18	346	1,590	1,140	2,850	1,340	3,680	2,190	529	160	329	185	189
19	389	3,680	988	2,400	1,440	5,090	1,970	512	236	328	221	126
20	598	3,700	1,540	2,300	1,940	6,120	1,800	487	193	322	143	300
21	851	3,350	1,820	2,140	2,180	5,920	1,620	459	208	301	201	434
22	1,030	3,260	2,010	1,980	2,990	6,260	1,370	491	207	247	174	444
23	1,250	3,160	3,140	2,040	3,840	6,880	1,310	471	181	156	179	476
24	1,050	3,130	3,400	2,440	4,250	7,060	1,240	481	196	315	190	375
25	919	2,970	3,370	3,530	4,330	6,140	1,100	454	130	330	179	345
26	982	2,600	3,010	3,260	4,120	5,550	1,020	457	252	383	174	578
27	1,330	2,340	2,610	3,590	5,830	4,640	964	348	330	368	117	575
28	1,440	2,200	2,220	3,250	6,440	4,660	826	306	329	379	167	395
29	1,340	2,040	2,050	3,310	.....	5,580	716	377	338	257	184	301
30	1,220	2,020	1,890	2,400	.....	5,940	711	299	366	209	222	322
31	1,270	.....	1,850	2,100	.....	5,560	.....	413	.....	369	214	.....
1899-1900												
1	259	432	301	578	562	5,010	1,450	742	686	113	192	139
2	307	609	272	359	491	8,040	1,340	663	586	184	178	96
3	269	815	248	335	446	8,420	1,080	648	512	159	255	86
4	239	1,400	348	304	965	6,950	1,050	698	520	79	173	214
5	255	1,370	362	314	2,680	5,280	1,020	641	470	171	52	200
6	280	1,220	363	268	3,070	4,180	990	642	437	158	204	185
7	256	1,190	285	230	2,790	3,760	822	597	408	160	209	138
8	155	1,040	286	311	3,030	3,310	781	508	392	235	155	172
9	305	957	216	343	3,340	2,880	784	448	632	222	164	144
10	292	834	198	281	2,790	2,530	673	459	642	227	174	163
11	330	764	258	681	2,500	2,220	636	442	555	239	95	173
12	304	741	338	1,770	2,460	1,820	776	411	508	250	14	160
13	268	643	483	1,700	5,580	1,610	957	454	426	245	190	167
14	231	614	540	1,440	9,430	1,430	972	456	540	216	189	175
15	163	556	465	1,470	9,050	1,260	908	438	741	205	154	100
16	215	604	400	1,590	7,280	1,140	778	430	581	264	181	138
17	189	672	337	1,470	5,400	986	873	569	485	273	119	218
18	200	635	310	1,320	3,460	1,140	1,510	766	434	269	110	196
19	254	654	381	1,330	3,180	1,210	1,950	3,360	366	271	77	203
20	349	575	386	2,510	2,800	2,360	1,940	3,890	334	223	169	206
21	280	519	439	3,560	2,580	3,000	1,840	3,460	288	165	162	213
22	205	470	457	3,240	4,300	3,030	1,830	3,310	257	12	147	217
23	198	451	349	2,840	6,070	3,030	1,830	2,980	166	156	149	206
24	262	389	1,160	2,550	5,930	3,000	1,770	2,590	82	223	194	230
25	282	330	2,160	1,820	5,050	2,800	1,530	2,160	224	215	94	203
26	285	278	1,500	861	3,460	2,520	1,320	1,840	227	265	92	158
27	265	363	1,180	1,100	2,830	2,290	1,140	1,490	212	349	197	169
28	212	358	1,130	1,260	2,510	2,070	1,030	1,250	220	357	182	173
29	146	350	800	1,230	.....	1,880	967	1,060	206	260	186	136
30	317	203	408	956	.....	1,720	830	891	167	251	205	70
31	216	.....	530	950	.....	1,540	.....	794	.....	216	198	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1900-01												
1	127	132	416	470	209	165	1,820	2,620	3,050	257	246	2,810
2	115	144	315	465	191	102	1,540	2,350	3,000	241	236	2,650
3	118	90	264	317	172	158	2,670	2,750	3,040	191	176	2,250
4	105	48	393	269	213	248	4,480	2,500	2,560	228	80	1,850
5	110	156	789	249	216	367	4,730	2,100	2,200	341	235	1,600
6	79	99	834	178	187	300	4,840	1,770	1,900	625	275	1,330
7	23	146	672	207	185	327	5,310	1,510	2,100	887	1,480	1,160
8	101	159	587	193	184	292	5,780	1,340	2,740	464	1,300	977
9	178	139	423	198	155	326	5,150	1,510	2,180	287	696	807
10	223	112	350	208	150	946	4,100	2,610	1,850	210	436	671
11	175	129	284	479	168	3,890	3,390	4,060	1,610	270	267	658
12	115	179	242	984	164	5,150	2,820	3,980	1,340	398	248	681
13	130	189	239	1,240	176	3,980	2,360	3,490	1,180	323	230	673
14	242	180	226	1,040	175	3,480	2,000	3,080	981	232	229	589
15	307	157	208	996	171	3,370	1,750	2,610	796	261	227	503
16	277	172	157	990	113	2,890	1,590	2,310	786	265	227	891
17	229	117	208	968	125	2,490	1,440	1,990	655	489	179	945
18	199	66	282	926	183	2,100	1,270	1,900	600	815	1,110	866
19	203	109	221	430	205	1,780	1,180	1,940	477	321	2,050	840
20	138	123	217	289	220	1,730	2,000	1,750	427	202	1,430	672
21	88	116	206	451	244	4,130	6,040	1,510	408	109	1,950	585
22	158	124	99	400	188	6,400	8,720	1,400	326	249	4,950	492
23	153	135	103	337	165	5,880	9,270	1,410	384	249	5,130	420
24	91	92	266	318	160	4,580	8,400	1,360	445	233	6,420	242
25	118	167	193	321	167	3,860	7,570	1,720	471	233	8,160	253
26	114	835	276	249	165	3,870	6,850	1,950	396	236	8,530	242
27	76	860	260	246	172	3,840	5,700	2,330	324	207	7,140	225
28	68	705	252	255	171	3,480	4,490	2,700	313	90	5,280	217
29	118	596	168	211	.....	3,010	3,630	3,090	274	225	4,060	178
30	129	470	194	228	.....	2,580	3,120	3,230	263	287	3,320	626
31	124	.....	369	246	.....	2,110	.....	3,300	.....	255	2,760	.....
1901-2												
1	455	354	462	7,600	1,380	18,000	3,100	2,090	568	770	1,540	121
2	378	378	479	6,120	1,740	21,400	2,660	1,670	386	669	1,320	238
3	439	311	719	5,580	1,860	19,900	2,350	1,570	327	520	1,240	204
4	327	344	805	4,330	1,350	16,100	1,960	1,540	301	472	1,360	264
5	191	352	671	3,430	1,360	11,500	1,590	1,380	288	479	990	262
6	99	333	640	2,900	1,140	8,230	1,560	1,190	304	421	792	83
7	279	329	550	2,100	1,070	6,630	1,980	942	202	324	762	173
8	282	331	582	1,690	817	5,360	2,920	888	172	309	618	219
9	237	290	532	1,580	780	6,020	4,820	693	361	286	372	340
10	253	294	923	1,340	712	7,260	5,890	607	306	259	698	401
11	280	337	1,330	1,250	603	7,540	5,640	500	275	258	1,830	393
12	174	384	1,130	1,290	573	7,190	4,860	449	266	224	2,150	325
13	62	426	992	1,010	533	6,500	3,890	427	263	199	2,090	361
14	511	466	1,560	881	514	7,240	3,250	424	192	236	2,200	537
15	827	400	4,530	838	534	6,280	2,750	390	65	191	2,120	538
16	626	352	5,260	775	571	5,220	2,270	346	281	140	1,910	377
17	460	374	4,140	671	414	5,320	1,940	269	415	166	1,680	376
18	371	350	3,240	578	401	5,720	1,590	260	474	183	1,500	361
19	263	356	2,920	578	405	4,740	1,440	326	376	167	1,450	358
20	151	342	2,020	508	467	3,700	1,220	357	313	259	1,380	80
21	243	328	1,540	1,460	469	3,250	1,010	369	784	269	1,150	225
22	244	270	1,360	5,750	967	2,800	922	347	843	355	922	252
23	226	313	1,180	7,840	1,320	2,200	817	331	702	305	301	320
24	411	494	1,110	6,330	1,180	2,150	737	281	593	295	708	327
25	420	808	1,020	4,110	1,440	1,880	644	442	473	669	443	418
26	392	1,160	941	3,490	4,510	1,810	555	754	510	998	341	1,700
27	381	807	1,670	3,620	6,840	1,380	515	1,030	504	1,020	322	2,490
28	436	701	2,400	2,830	11,900	1,320	551	1,410	276	960	310	3,430
29	398	756	5,320	2,250	.....	2,700	646	1,200	433	1,040	310	5,840
30	395	702	9,020	1,870	.....	3,310	2,000	934	924	1,640	98	5,530
31	356	.....	10,500	1,570	.....	3,150	.....	766	.....	1,560	98	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1902-3												
1	5,860	4,090	2,380	2,000	2,740	6,160	3,320	965	310	3,420	224	1,300
2	6,000	3,770	2,400	2,270	2,580	7,660	2,950	871	373	2,900	82	1,260
3	5,660	3,620	2,860	3,160	2,390	6,480	2,600	730	280	2,390	313	1,080
4	5,160	3,440	3,370	3,890	2,700	5,290	2,450	756	280	1,800	365	944
5	5,530	3,060	2,760	3,680	3,960	4,190	2,440	738	280	1,450	675	798
6	6,040	2,920	2,820	3,750	3,640	3,380	2,200	699	117	1,320	1,780	550
7	5,660	2,910	2,810	3,220	3,380	3,170	2,100	661	190	1,090	2,560	529
8	5,280	2,820	2,680	3,280	3,450	3,440	2,740	600	203	870	2,440	538
9	5,010	2,450	2,540	2,660	3,250	4,010	3,590	583	225	640	2,330	460
10	4,520	2,520	2,520	1,910	2,940	4,030	3,630	523	304	607	2,280	363
11	4,700	2,340	2,550	1,470	2,880	4,190	3,580	471	444	397	2,090	348
12	6,040	2,300	2,630	2,930	3,630	4,140	3,370	484	901	274	1,710	246
13	6,050	2,340	2,190	2,860	3,740	3,700	3,410	454	1,600	418	1,380	52
14	5,610	2,330	2,240	2,120	3,630	3,380	3,540	454	1,300	391	1,190	355
15	5,190	2,290	2,260	1,730	3,200	3,160	5,770	421	2,050	391	930	382
16	4,930	2,280	4,720	1,480	3,140	2,580	8,150	391	2,590	391	664	508
17	4,320	2,140	6,520	1,390	2,940	2,250	8,760	272	2,510	391	618	1,500
18	4,170	1,770	8,300	1,400	2,290	2,160	7,060	364	2,420	267	484	1,540
19	3,880	2,000	8,160	1,240	2,200	1,810	5,320	368	2,390	276	420	1,270
20	3,600	1,910	6,750	1,070	1,850	1,630	4,060	368	2,740	450	667	1,080
21	3,340	1,890	6,460	2,210	1,770	1,540	3,330	368	2,850	443	523	1,190
22	3,160	1,890	8,900	3,490	1,710	2,360	2,770	368	3,160	477	372	1,190
23	3,050	2,140	11,000	2,950	1,650	4,130	2,400	403	3,220	995	220	1,050
24	2,720	1,960	9,480	2,460	1,530	6,150	2,130	288	3,440	893	290	886
25	2,440	2,000	7,710	1,980	1,450	7,260	1,780	317	3,390	702	347	746
26	2,530	2,200	5,950	1,750	1,340	6,430	1,630	379	3,010	586	347	615
27	2,530	2,610	4,720	1,700	1,310	5,250	1,480	379	2,630	633	347	381
28	4,290	2,470	3,560	1,860	3,580	3,970	1,270	379	2,030	522	347	448
29	5,020	2,440	2,960	2,570	.....	3,300	1,200	379	2,530	435	1,060	418
30	4,440	2,430	2,830	2,760	.....	2,820	1,080	380	3,620	454	1,260	380
31	4,200	.....	2,380	3,110	.....	3,420	.....	309	.....	392	1,430	.....
1903-4												
1	380	1,000	573	1,190	1,190	1,900	2,550	1,880	1,110	349	281	191
2	380	968	560	999	874	1,540	4,010	1,850	1,020	174	307	191
3	262	994	569	467	816	1,470	3,860	1,680	982	0	307	131
4	30	864	582	531	660	2,100	3,380	1,390	803	0	307	37
5	300	839	602	558	563	1,760	2,740	970	635	0	307	222
6	362	904	449	539	452	1,500	2,310	749	620	245	483	156
7	362	807	695	520	427	2,970	1,940	560	574	308	373	156
8	362	747	571	512	1,150	6,470	1,740	270	516	308	479	156
9	13,400	718	621	443	1,140	9,090	1,500	324	1,070	226	520	156
10	28,000	744	848	444	901	8,330	1,610	330	1,320	39	579	114
11	26,500	723	903	512	846	6,610	1,380	330	971	312	707	15
12	21,200	716	775	577	705	4,060	1,200	330	635	339	754	128
13	15,800	704	1,200	577	515	2,950	1,080	330	581	339	665	143
14	11,800	587	1,990	656	444	2,360	985	276	338	339	690	138
15	9,020	540	1,170	726	535	1,880	960	179	338	339	761	5,160
16	7,080	643	1,230	658	517	1,650	922	605	338	241	740	4,460
17	5,610	747	1,200	572	371	1,420	832	552	338	61	651	3,480
18	4,840	1,830	1,390	604	449	1,260	645	490	241	312	521	3,100
19	4,030	1,530	1,050	600	446	1,280	581	430	42	339	386	2,690
20	3,480	1,260	1,590	571	334	1,590	555	471	310	180	643	2,330
21	2,960	1,300	4,600	571	326	1,970	587	402	236	180	1,090	2,070
22	2,770	1,090	4,880	590	2,530	2,090	635	238	236	180	810	1,570
23	2,490	1,040	3,770	1,980	3,220	2,540	659	347	233	126	772	1,310
24	2,270	1,080	3,300	2,900	3,960	2,640	493	350	230	18	772	1,120
25	1,980	1,030	3,230	2,600	3,960	2,600	465	350	234	152	680	868
26	1,740	962	2,930	2,390	3,530	2,560	405	288	52	152	635	789
27	1,620	772	2,150	2,630	3,400	2,870	405	350	322	152	555	721
28	1,370	589	1,840	2,530	2,530	2,400	1,420	378	157	152	433	572
29	1,280	539	1,310	2,170	2,350	2,160	2,200	318	157	254	320	385
30	1,190	546	1,250	1,780	.....	1,750	1,940	356	200	342	347	311
31	1,120	.....	1,230	1,300	.....	1,670	.....	609	.....	243	347	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1904-5												
1	228	881	569	1,080	706	635	3,730	556	208	118	434	146
2	134	723	554	1,310	699	609	2,960	530	207	1	353	110
3	268	625	566	1,170	686	638	2,480	483	158	178	334	576
4	331	601	433	991	684	538	2,310	456	244	125	261	1,130
5	331	581	380	1,010	718	479	2,770	401	276	168	154	1,220
6	331	424	382	2,020	738	515	3,050	417	225	209	32	960
7	331	496	486	5,180	716	535	2,890	432	226	252	167	736
8	237	649	439	7,540	870	600	2,600	423	230	135	142	771
9	205	523	382	8,000	900	881	2,580	378	343	6	105	884
10	237	426	263	7,390	956	1,370	2,110	363	199	203	107	879
11	268	486	201	5,930	943	1,750	2,070	363	201	193	105	1,070
12	299	492	343	5,040	896	1,660	1,950	368	296	198	75	1,760
13	709	476	369	4,600	1,140	1,790	1,720	404	646	148	15	1,360
14	659	1,250	369	3,540	1,090	1,960	1,510	408	490	145	138	1,120
15	600	1,240	369	2,810	1,020	2,270	1,440	677	358	97	313	993
16	630	1,150	473	2,250	894	2,440	1,310	595	280	0	614	1,090
17	495	1,150	410	1,950	875	2,710	1,250	589	157	139	596	1,090
18	408	1,150	321	1,620	893	3,090	1,150	590	169	196	550	1,290
19	322	1,030	336	1,520	811	4,940	1,020	595	226	121	512	1,320
20	322	922	363	1,480	758	6,740	927	529	195	84	411	1,030
21	1,120	892	363	1,420	706	8,180	953	519	191	72	486	875
22	4,040	892	363	1,280	1,020	8,760	1,030	442	199	66	406	890
23	3,440	978	363	1,110	772	8,390	1,030	457	342	0	293	786
24	2,360	1,020	473	950	705	8,640	937	397	377	104	261	727
25	1,940	808	502	459	669	7,360	780	446	377	103	261	716
26	1,780	775	681	392	604	7,460	729	336	297	133	141	579
27	1,860	659	686	706	645	7,240	695	237	246	131	256	417
28	1,620	585	1,160	928	663	6,700	618	124	223	131	264	357
29	1,450	554	1,350	784	.....	5,810	625	290	202	92	257	281
30	1,230	569	1,280	722	.....	4,960	572	259	169	115	208	194
31	1,080	.....	1,240	699	.....	4,310	.....	318	.....	387	154	.....
1905-6												
1	197	359	1,040	2,080	807	1,150	4,120	1,090	2,160	588	1,320	281
2	287	337	987	1,940	763	892	3,590	983	1,840	525	1,420	122
3	207	307	1,830	1,840	345	1,760	3,070	986	1,650	549	1,890	227
4	181	230	3,250	2,610	486	5,490	2,580	1,000	1,330	1,570	2,190	282
5	236	170	2,830	2,680	386	6,110	2,430	954	1,180	1,590	1,910	282
6	249	323	2,670	2,460	358	5,360	2,250	1,080	895	1,330	1,610	277
7	95	203	2,660	2,400	362	4,390	2,140	922	852	1,130	1,490	277
8	151	334	2,440	2,480	359	3,560	1,910	949	711	928	1,640	197
9	250	343	2,070	2,050	360	3,130	2,200	947	658	811	1,480	141
10	209	347	1,950	1,720	363	2,790	4,740	1,020	702	643	1,220	210
11	153	254	1,990	1,750	481	2,300	5,810	950	585	534	1,140	203
12	436	177	1,730	1,820	395	1,840	5,590	905	462	444	974	195
13	617	293	1,730	1,950	373	1,640	4,710	911	384	406	964	194
14	479	292	1,640	1,940	397	1,460	3,950	865	334	361	793	199
15	307	155	2,240	1,960	447	1,360	4,740	1,050	361	310	657	181
16	288	160	2,160	2,020	421	1,230	5,180	904	2,500	332	575	132
17	275	151	674	2,320	517	1,280	4,680	837	2,870	361	437	175
18	279	123	544	2,220	445	1,150	3,990	854	1,960	424	323	176
19	265	84	484	1,590	393	959	3,420	873	1,870	388	272	131
20	801	171	495	1,420	413	867	2,930	852	1,540	336	267	130
21	1,180	168	2,220	1,300	974	1,000	2,520	568	1,260	788	283	147
22	1,050	170	2,720	1,440	2,010	982	2,200	485	1,160	1,220	283	122
23	972	166	2,400	1,470	1,680	861	2,040	452	1,180	2,090	276	494
24	813	193	2,240	1,480	1,520	751	1,650	387	1,070	2,270	260	294
25	753	146	2,250	1,420	1,710	752	1,780	357	858	1,690	281	286
26	644	112	2,250	1,230	1,960	802	1,680	324	700	1,190	290	285
27	601	186	1,990	1,160	1,660	1,180	1,500	383	581	928	359	181
28	313	180	1,960	1,150	1,450	2,510	1,420	1,610	455	697	579	163
29	490	668	2,480	1,050	.....	3,300	1,370	3,170	475	666	531	204
30	347	1,270	2,240	918	.....	3,720	1,120	3,240	616	1,300	424	179
31	354	.....	2,020	875	.....	4,180	.....	2,510	.....	1,560	394	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1906-7												
1	246	365	328	3,700	473	387	1,940	1,100	678	573	95	60
2	187	453	149	2,990	514	309	1,600	1,020	1,140	479	120	92
3	189	478	269	2,810	570	277	1,470	953	1,880	434	109	144
4	189	430	328	3,040	521	357	1,290	1,620	1,830	232	98	162
5	189	334	273	2,890	362	377	1,170	1,840	1,740	284	163	1,040
6	152	347	302	2,670	413	375	1,050	1,650	1,830	259	162	917
7	258	331	566	2,300	519	380	1,060	1,650	1,690	254	179	526
8	200	327	543	2,050	527	362	1,530	1,570	1,340	308	159	349
9	259	319	310	1,790	567	313	1,880	1,490	1,280	242	171	288
10	263	253	504	1,480	567	272	2,170	1,480	1,020	242	145	269
11	263	331	636	1,140	477	364	2,280	1,680	783	289	88	294
12	259	345	687	1,360	418	364	2,260	1,610	679	250	149	439
13	177	436	659	1,350	408	368	2,660	1,420	622	185	149	371
14	76	407	615	1,480	449	787	2,680	1,370	687	151	149	248
15	211	355	496	1,650	410	1,750	2,360	1,240	974	279	150	203
16	161	407	685	1,610	389	2,400	2,080	1,940	807	200	141	253
17	168	460	712	1,240	386	4,250	1,830	3,150	616	196	118	221
18	167	608	729	1,070	362	7,690	1,610	2,720	536	201	89	221
19	163	869	570	1,430	358	8,100	1,510	2,500	391	196	153	221
20	434	1,100	800	1,860	350	7,870	1,390	2,370	365	143	149	237
21	995	992	1,440	1,870	351	7,140	1,300	2,140	385	100	132	211
22	860	986	1,410	1,450	253	6,630	1,040	1,890	439	206	133	154
23	775	871	1,160	1,220	297	6,160	1,020	1,780	338	211	128	698
24	684	814	770	1,120	258	6,210	1,560	1,570	308	212	121	3,430
25	681	712	843	1,050	371	5,610	1,570	1,330	341	209	194	2,650
26	817	525	919	942	372	4,660	1,480	1,090	300	212	169	1,590
27	700	441	937	822	373	3,870	1,470	966	306	171	227	1,290
28	618	434	723	714	372	3,380	1,290	1,040	316	97	226	1,450
29	486	423	641	635	.....	2,940	1,140	915	210	141	261	2,610
30	348	336	660	586	.....	2,650	1,140	970	366	138	145	2,780
31	338	.....	2,220	517	.....	2,190	.....	691	.....	126	112	.....
1907-8												
1	2,210	6,360	3,060	3,880	2,790	4,130	1,880	3,430	3,500	306	223	388
2	1,910	5,610	2,750	3,500	3,180	3,430	1,810	3,120	2,900	324	185	326
3	1,710	5,990	2,540	3,080	2,950	3,130	1,680	2,510	2,280	382	229	258
4	1,730	6,230	2,390	2,810	2,600	2,860	1,500	2,110	2,110	388	147	258
5	1,770	5,490	2,260	2,640	2,440	2,590	1,330	1,690	1,800	519	166	179
6	1,360	6,000	2,000	2,090	2,270	2,400	1,270	1,400	1,510	378	204	157
7	1,120	7,960	1,970	2,590	2,100	2,420	1,260	2,410	1,260	346	359	146
8	2,210	9,190	1,980	3,950	1,890	2,530	1,420	6,030	1,090	351	337	225
9	2,930	8,700	1,880	3,720	1,720	2,720	1,820	7,020	864	280	275	218
10	2,300	7,510	3,510	3,020	1,660	2,570	1,680	6,640	725	250	292	221
11	2,010	6,530	5,140	3,020	1,510	2,760	1,600	5,600	637	194	286	209
12	1,900	5,530	4,830	5,040	1,430	3,250	1,540	4,420	560	94	282	159
13	1,640	4,830	4,410	6,770	1,340	3,460	1,310	3,520	564	201	271	95
14	1,320	4,350	4,300	7,160	1,670	3,640	1,210	2,880	522	220	276	202
15	1,050	3,780	4,330	6,340	4,710	3,780	1,130	2,580	812	336	205	167
16	902	3,360	3,940	5,360	6,880	3,780	1,140	2,420	2,300	333	136	144
17	721	3,050	3,630	4,260	7,460	3,460	1,100	2,180	2,000	257	210	155
18	657	2,800	3,360	3,950	6,520	3,250	1,030	1,880	1,510	212	198	146
19	588	3,020	3,090	3,390	5,110	4,310	1,060	1,690	1,180	153	201	123
20	438	2,860	2,740	2,930	4,830	5,120	1,040	1,560	1,020	247	194	87
21	471	2,770	2,540	2,660	4,160	3,940	939	2,060	801	224	194	163
22	446	3,010	2,440	2,460	3,660	3,920	858	3,720	615	200	336	160
23	351	2,860	3,990	2,190	2,960	3,460	750	4,330	498	220	510	153
24	327	3,160	5,860	2,000	2,540	3,200	684	3,750	492	227	353	158
25	320	3,600	6,320	1,820	2,120	2,780	719	3,140	426	445	309	157
26	244	3,800	6,000	1,960	4,100	2,630	716	2,750	409	1,010	970	139
27	234	3,760	5,250	2,290	6,120	2,420	613	2,640	385	708	1,100	123
28	2,730	3,810	4,750	2,090	5,600	2,240	637	2,220	281	590	944	182
29	6,650	3,460	4,320	2,060	4,790	2,230	638	1,890	320	520	725	188
30	7,960	3,340	4,220	1,390	.....	2,190	1,100	2,620	318	392	646	230
31	7,530	.....	4,270	1,440	.....	1,970	.....	4,020	.....	288	529	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1908-9												
1	215	446	216	330	463	3,550	2,660	4,840	455	276	102	139
2	235	420	205	331	439	3,360	2,240	5,230	367	257	178	141
3	185	332	189	244	432	3,080	1,950	5,040	349	168	150	124
4	122	309	183	368	378	2,730	1,910	4,400	368	180	149	82
5	200	275	159	1,050	368	2,380	1,660	3,730	559	206	148	55
6	187	279	169	2,900	502	2,170	1,470	3,240	657	259	144	112
7	176	213	504	2,200	730	2,020	1,400	2,830	629	223	153	156
8	177	178	665	1,470	621	1,830	1,250	2,390	498	207	125	150
9	177	238	657	1,530	582	1,760	1,200	2,310	447	207	144	151
10	136	230	565	1,530	1,230	1,770	1,050	1,980	860	165	156	149
11	116	197	539	1,500	1,850	1,820	971	1,920	466	75	146	143
12	185	208	618	1,380	1,240	1,680	823	1,740	453	178	134	134
13	180	194	645	1,090	1,250	1,560	781	1,530	383	165	145	147
14	176	185	571	922	1,240	1,520	2,840	1,380	426	173	108	130
15	174	152	478	895	1,430	1,400	5,450	1,410	372	162	77	134
16	161	213	479	634	1,730	1,300	6,150	1,340	350	176	567	133
17	127	209	476	436	2,990	1,180	5,610	1,120	310	144	1,350	161
18	121	219	444	589	2,840	1,070	4,730	958	1,260	93	1,120	170
19	174	222	371	541	3,000	914	3,940	820	1,270	180	833	110
20	182	224	379	549	4,580	883	4,200	785	902	177	665	134
21	176	273	417	531	4,960	811	4,440	765	746	159	498	118
22	171	262	383	497	4,340	863	4,550	982	566	149	334	120
23	159	252	328	471	4,040	750	4,510	1,200	403	173	259	122
24	68	225	308	630	5,410	707	4,460	1,130	325	259	228	129
25	34	220	301	951	6,490	2,700	3,940	977	298	211	211	157
26	216	218	291	1,160	6,200	5,110	3,470	823	434	246	199	145
27	331	201	283	1,040	5,280	4,840	3,020	728	350	200	185	153
28	448	176	294	852	4,360	4,300	2,900	722	287	193	131	206
29	474	188	263	734	.....	3,950	2,950	804	290	187	188	250
30	486	231	256	680	.....	3,550	4,100	657	298	178	157	214
31	452	.....	305	684	.....	3,120	.....	601	.....	178	152	.....
1909-10												
1	160	141	300	159	1,650	6,960	735	4,070	1,020	667	111	151
2	160	150	226	161	1,540	8,300	720	3,510	848	388	120	159
3	110	226	205	214	1,400	8,000	668	3,040	759	258	104	177
4	163	253	180	240	1,260	7,090	581	2,530	618	301	156	228
5	145	221	166	247	1,200	6,110	585	2,060	649	291	196	277
6	157	181	183	294	1,010	5,240	639	1,860	1,360	288	199	219
7	148	143	186	739	653	4,990	624	1,520	1,380	242	164	222
8	135	181	255	825	678	4,930	597	1,270	1,160	229	167	231
9	119	168	279	822	643	4,240	534	1,410	1,050	165	165	175
10	78	180	209	685	644	3,760	479	1,560	986	148	160	125
11	138	162	193	619	596	3,190	424	1,330	1,260	243	279	133
12	143	154	174	586	550	2,860	395	1,170	1,760	223	261	136
13	149	130	902	531	558	2,510	372	1,040	1,820	217	239	229
14	149	111	3,290	462	535	2,370	335	916	1,620	194	213	142
15	142	162	2,760	429	530	2,220	304	807	1,380	195	186	124
16	108	161	1,840	334	760	1,840	328	758	1,420	165	167	105
17	56	147	1,470	340	1,050	1,680	375	555	1,720	198	177	81
18	121	139	1,360	344	1,510	1,660	2,310	604	2,040	196	167	69
19	107	132	997	467	1,710	1,450	4,450	625	2,240	157	158	112
20	93	112	830	517	1,590	1,400	4,410	613	1,860	190	123	121
21	89	68	662	1,190	3,280	1,410	4,020	843	1,610	188	105	108
22	123	132	427	4,590	4,490	1,380	3,590	988	1,620	185	157	111
23	134	133	320	5,650	4,410	1,320	3,050	961	1,440	161	153	106
24	99	133	312	5,720	4,120	1,320	2,800	889	1,280	114	148	80
25	141	175	179	5,080	3,590	1,190	3,880	1,250	1,130	179	106	38
26	149	260	168	4,200	3,130	1,140	6,780	2,990	1,010	186	101	105
27	139	299	310	3,490	2,930	1,090	8,980	2,510	878	145	87	105
28	139	296	205	2,790	4,520	1,000	8,150	1,960	786	130	56	113
29	135	316	234	2,330	.....	916	6,340	1,550	580	126	121	117
30	122	315	234	2,060	.....	835	4,970	1,390	444	103	123	129
31	151	.....	234	1,880	.....	775	.....	1,240	.....	55	133	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1910-11												
1	113	106	279	625	486	1,340	3,080	1,090	226	193	174	2,400
2	110	102	301	955	493	1,300	2,760	1,130	254	135	197	1,850
3	120	121	194	1,800	492	1,170	2,410	1,070	222	129	182	1,390
4	116	759	218	1,960	1,370	1,090	2,160	1,010	152	21	160	1,170
5	93	1,070	196	1,420	1,760	972	3,190	840	254	160	64	967
6	92	907	160	1,300	1,080	798	3,370	741	255	175	49	892
7	86	761	160	1,340	910	628	3,190	787	302	249	174	851
8	61	712	160	1,200	1,080	617	3,020	746	316	176	140	690
9	49	633	189	984	1,100	622	3,000	590	319	107	149	635
10	128	524	144	851	1,180	686	2,910	525	333	176	140	559
11	91	386	116	851	1,170	1,020	2,810	514	1,180	135	147	472
12	96	297	172	837	1,160	1,090	2,410	542	2,650	137	56	464
13	102	357	159	698	942	1,040	2,060	432	2,830	153	61	365
14	100	281	142	918	816	1,120	1,840	448	2,880	144	138	296
15	62	188	146	1,390	675	1,600	1,910	332	2,470	160	150	283
16	34	167	146	1,180	568	1,890	1,780	300	2,010	327	208	290
17	111	180	120	925	607	1,580	1,560	293	1,790	251	193	277
18	99	154	98	703	798	1,590	1,410	354	1,540	200	151	259
19	92	120	110	691	989	1,600	1,500	324	1,280	236	120	246
20	110	177	142	528	860	1,560	2,540	236	1,010	206	94	252
21	206	144	145	453	778	1,680	2,770	245	803	220	145	249
22	186	138	149	361	911	1,510	2,500	254	658	326	151	209
23	161	127	146	386	774	1,420	2,450	252	524	276	134	148
24	194	128	164	285	657	1,320	2,350	263	491	329	136	110
25	149	132	875	306	650	1,200	2,100	252	398	384	138	236
26	118	136	863	321	928	1,100	1,800	249	457	307	152	215
27	121	240	737	391	1,300	1,520	1,640	129	467	248	141	212
28	84	193	585	611	1,450	2,170	1,420	126	404	234	369	226
29	93	249	589	789	.....	2,420	1,300	225	368	187	394	225
30	45	271	613	731	.....	3,270	1,170	128	329	135	1,320	299
31	114	.....	656	489	.....	3,330	.....	229	.....	208	2,050	.....
1911-12												
1	348	1,080	1,200	1,260	347	3,070	4,890	2,080	1,120	163	148	158
2	710	956	1,260	1,120	344	2,540	4,220	1,800	886	155	155	341
3	753	873	1,140	940	295	2,120	4,110	1,600	957	187	121	342
4	595	721	1,100	815	261	1,870	3,640	1,480	716	148	111	363
5	536	644	943	731	307	1,410	3,210	1,320	658	153	145	269
6	479	760	926	557	316	1,180	2,840	1,500	651	139	127	238
7	832	1,460	895	493	322	924	2,710	1,730	788	128	114	215
8	919	1,350	849	534	328	998	2,640	3,060	660	140	126	198
9	812	1,120	882	673	321	998	2,310	3,370	551	131	136	188
10	685	1,070	977	624	273	939	2,120	3,140	478	126	104	160
11	562	1,060	968	633	235	951	2,020	3,020	435	129	426	155
12	595	1,010	988	568	293	2,060	1,740	2,830	356	139	491	194
13	471	1,060	919	600	252	6,140	1,600	2,660	323	187	376	172
14	407	982	914	668	248	7,170	1,500	2,360	321	167	342	187
15	357	1,210	1,200	462	249	8,560	1,460	2,090	342	160	287	101
16	305	1,340	1,710	416	231	10,400	1,320	2,180	279	151	222	142
17	332	1,420	1,880	396	203	10,400	1,250	2,440	312	156	246	315
18	1,340	2,530	1,780	391	292	8,630	1,980	2,060	319	183	285	324
19	3,640	3,240	1,670	535	316	7,020	2,740	1,940	321	168	501	322
20	3,680	2,850	1,550	660	452	5,950	2,540	1,650	319	148	544	304
21	3,490	2,690	1,400	667	997	5,010	2,350	1,430	289	121	451	279
22	3,720	2,460	1,660	579	2,560	4,180	2,280	1,270	272	175	352	243
23	4,030	2,150	2,340	513	2,070	3,540	2,160	1,100	107	165	400	202
24	3,820	2,310	2,250	544	1,910	4,160	2,010	717	186	217	317	248
25	3,360	2,410	2,050	524	2,320	4,640	1,840	879	148	143	257	348
26	2,760	2,170	1,970	469	2,640	4,470	1,580	664	153	141	188	539
27	2,400	1,940	2,040	367	3,740	4,190	1,400	631	215	118	156	544
28	2,040	1,770	1,790	354	3,540	4,250	1,350	622	214	107	163	516
29	1,750	1,710	1,380	383	3,330	5,120	1,420	632	165	146	157	506
30	1,490	1,620	1,360	378	.....	6,010	2,100	1,260	139	149	122	527
31	1,240	.....	1,310	346	.....	5,730	.....	1,470	.....	136	112	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1912-13												
1	458	990	1,130	4,190	1,650	2,360	4,190	2,670	1,090	164	103	107
2	393	1,160	1,080	4,400	1,530	2,220	3,440	2,400	1,000	187	29	101
3	307	1,060	1,480	5,120	1,390	2,080	2,930	2,070	822	161	69	90
4	262	967	1,380	5,620	1,260	2,130	2,540	1,830	599	130	102	83
5	251	861	1,310	5,190	990	2,000	2,450	1,640	478	7	109	90
6	241	823	1,510	4,310	726	1,810	2,300	1,490	431	85	132	161
7	165	1,270	1,620	3,730	563	1,590	2,000	1,380	369	147	127	116
8	151	2,700	1,420	3,800	882	1,350	1,650	1,170	395	118	119	97
9	160	2,210	1,270	3,600	766	1,200	1,500	1,020	378	106	146	99
10	154	1,940	1,140	3,110	719	1,210	1,340	930	362	121	118	91
11	159	1,850	1,050	3,010	655	1,640	1,640	872	269	135	116	87
12	247	1,730	983	3,100	568	1,790	3,400	689	292	129	111	99
13	228	1,550	879	2,860	469	1,820	3,670	691	260	134	111	98
14	151	1,620	791	2,530	541	3,090	3,420	616	226	147	118	70
15	147	1,560	686	2,280	449	4,350	3,680	576	158	160	114	99
16	154	1,270	671	2,300	539	5,190	5,340	582	190	172	99	79
17	149	1,200	691	2,360	585	5,250	5,840	561	199	153	80	82
18	160	1,090	684	2,480	555	4,530	5,410	543	175	170	110	85
19	172	987	911	2,290	374	4,070	4,640	552	190	132	73	87
20	162	892	1,160	2,140	405	4,510	3,780	547	230	65	69	87
21	147	772	1,120	2,120	571	5,010	3,240	505	279	122	82	82
22	145	712	1,100	2,050	938	4,630	2,790	502	265	119	89	277
23	593	667	935	2,010	1,360	3,900	2,460	706	266	116	29	355
24	2,090	1,280	822	2,170	1,130	3,490	1,910	1,760	201	112	61	196
25	1,800	2,230	830	2,090	980	3,100	1,900	1,670	218	111	103	211
26	1,460	1,820	801	1,940	975	3,370	1,680	1,330	207	75	88	192
27	1,340	1,440	1,100	1,930	1,250	5,230	1,740	1,190	211	9	77	127
28	1,290	1,510	1,890	1,790	2,410	7,360	2,770	1,330	199	107	78	99
29	1,220	1,360	1,700	1,610	.....	7,450	3,300	1,660	186	106	106	125
30	1,040	1,240	2,840	1,570	.....	6,330	2,950	1,550	209	113	98	105
31	944	.....	4,040	1,540	.....	5,180	.....	1,220	.....	103	103	.....
1913-14												
1	187	1,260	839	1,660	4,130	632	5,870	2,490	424	212	324	148
2	837	1,110	758	1,280	3,780	578	5,750	2,130	334	465	257	147
3	816	884	702	752	3,370	570	5,220	1,880	291	631	190	128
4	679	782	698	1,740	3,190	838	4,500	1,480	300	423	233	108
5	597	648	642	1,830	2,870	1,020	3,920	1,810	490	390	181	71
6	497	546	566	1,660	2,580	1,070	3,380	2,630	370	306	188	47
7	369	517	720	1,630	2,500	1,160	2,920	3,020	367	449	157	83
8	302	636	971	1,580	2,140	1,110	2,660	2,680	345	486	119	96
9	293	2,030	876	1,500	1,390	819	3,410	2,570	414	390	110	80
10	279	3,530	752	1,480	1,440	925	3,290	2,630	374	279	165	70
11	349	2,860	695	1,380	1,340	1,000	2,900	2,340	296	309	159	71
12	875	2,170	677	1,040	822	971	2,570	2,800	316	281	149	30
13	1,050	1,890	650	959	714	964	2,390	3,150	251	248	153	32
14	871	1,720	613	746	556	851	1,920	2,890	162	244	135	77
15	679	1,580	576	745	551	1,090	2,070	2,510	311	260	80	71
16	526	1,540	514	619	627	1,720	2,480	2,160	227	269	57	77
17	532	1,870	476	622	616	2,680	2,370	1,900	236	268	134	76
18	479	1,730	523	575	455	3,430	2,100	1,670	209	230	117	69
19	366	1,480	505	522	671	3,130	1,940	1,420	207	199	116	41
20	571	1,490	533	545	699	3,360	1,900	1,250	193	196	119	28
21	980	1,360	418	763	767	2,650	1,970	1,120	209	165	114	84
22	834	1,170	459	821	796	3,080	1,760	941	175	177	117	77
23	654	1,070	632	799	776	2,800	1,620	955	186	169	110	79
24	708	1,020	1,540	1,680	590	2,760	1,380	655	183	173	136	77
25	3,150	944	1,940	3,140	518	2,840	1,480	481	194	174	137	72
26	4,460	821	3,040	2,490	506	3,350	2,950	431	181	230	118	68
27	4,010	704	3,030	2,300	583	4,950	3,560	519	160	187	117	88
28	2,860	644	2,680	2,380	471	6,780	3,170	606	173	312	114	81
29	2,400	811	2,310	2,890	.....	7,980	2,760	498	185	529	89	85
30	1,840	939	2,200	2,500	.....	7,800	2,720	426	196	415	96	84
31	1,510	.....	1,980	3,470	.....	6,710	.....	398	.....	323	132	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-15												
1	67	30	232	544	4,310	3,490	408	730	406	348	149	432
2	69	105	234	551	5,300	3,020	434	658	317	347	198	355
3	59	116	227	425	4,420	2,530	483	604	345	293	401	294
4	53	99	215	318	4,680	2,100	480	565	322	247	3,130	239
5	76	90	205	308	4,590	1,870	792	701	249	253	4,920	247
6	72	81	200	310	5,250	1,720	936	726	227	233	4,110	221
7	69	59	413	2,190	5,650	1,580	1,110	751	214	242	3,820	315
8	69	45	1,440	2,820	5,260	1,450	1,190	641	233	241	4,070	175
9	71	90	1,410	1,790	4,270	1,290	1,140	620	211	391	4,570	182
10	59	78	1,240	1,250	3,270	1,270	1,100	423	161	528	4,330	263
11	46	76	1,180	1,180	2,840	1,290	1,540	403	159	234	3,560	200
12	46	91	1,250	3,000	2,660	1,270	3,320	376	99	286	3,000	148
13	75	85	1,450	6,170	2,470	1,220	3,520	581	123	230	2,690	149
14	81	73	2,770	7,800	2,290	1,190	2,870	655	158	264	2,330	140
15	80	217	2,140	7,510	2,610	1,060	2,530	683	109	349	1,940	182
16	97	1,070	1,780	5,960	3,710	1,000	2,320	459	185	370	1,690	97
17	277	1,030	1,530	5,050	3,560	979	2,150	473	291	416	1,470	88
18	229	665	1,370	5,920	3,130	904	1,900	409	268	261	1,290	150
19	127	624	1,280	6,910	2,790	796	1,500	330	324	281	1,170	261
20	164	681	1,150	6,860	2,600	786	1,300	324	258	294	949	402
21	154	629	1,280	5,890	2,200	726	1,140	389	182	192	892	1,070
22	135	571	1,190	4,520	1,930	726	981	1,070	223	169	910	1,450
23	137	489	911	4,260	1,760	724	925	1,280	200	183	947	1,050
24	93	456	877	4,260	2,340	770	1,030	1,200	202	199	723	920
25	72	325	875	3,880	4,880	681	912	1,230	98	176	545	839
26	125	319	578	3,590	5,470	710	859	1,160	159	103	472	799
27	137	237	510	3,260	5,110	671	761	1,070	125	203	359	713
28	107	274	515	2,910	4,150	576	715	886	112	157	317	576
29	85	283	509	2,480	.....	477	683	758	96	225	347	378
30	70	239	603	1,980	.....	474	766	593	218	161	496	262
31	49	.....	714	2,010	.....	494	.....	497	.....	194	494	.....
1915-16												
1	270	268	703	3,370	2,710	4,430	6,130	1,590	1,190	449	1,910	88
2	468	312	684	3,340	2,520	3,510	5,700	1,450	879	419	1,820	134
3	573	202	592	3,100	2,300	2,920	4,810	1,320	811	414	1,640	145
4	487	216	423	2,590	2,150	2,550	4,000	1,260	790	338	1,500	129
5	409	221	348	2,550	1,940	2,170	3,510	1,210	774	329	1,340	87
6	446	122	313	2,940	1,790	1,610	3,040	1,160	675	296	1,170	101
7	446	156	306	2,970	1,880	1,620	2,720	1,020	964	236	1,120	128
8	686	231	282	2,420	1,630	1,510	2,060	932	1,860	249	969	118
9	759	256	303	2,190	1,580	1,560	2,520	907	2,060	221	1,030	202
10	636	260	216	2,050	1,460	1,440	2,610	713	1,910	409	908	142
11	507	264	215	2,090	1,320	1,320	2,530	628	1,820	634	639	97
12	415	222	187	2,210	1,250	1,260	2,430	572	1,740	710	572	126
13	488	234	212	2,260	944	1,210	2,580	490	1,550	523	311	103
14	550	160	159	2,160	966	1,330	3,710	492	1,440	985	348	89
15	590	262	236	1,810	1,030	1,320	4,220	521	1,240	867	282	300
16	594	315	376	1,900	932	1,160	3,950	779	1,180	573	257	499
17	502	321	360	1,740	818	1,180	3,670	1,940	1,440	515	256	406
18	493	256	1,020	1,320	736	1,180	3,310	1,950	1,590	864	234	372
19	514	657	1,850	1,480	536	1,200	2,980	1,720	1,570	686	157	272
20	458	1,610	2,060	1,450	532	1,090	2,570	1,580	1,430	516	171	240
21	473	1,330	2,030	1,420	588	1,060	2,300	1,400	1,380	453	167	142
22	414	1,220	2,030	1,720	531	1,100	2,310	1,310	1,560	555	211	153
23	345	1,000	2,070	2,430	599	985	2,350	1,240	1,450	709	167	165
24	281	894	2,130	2,280	738	1,060	2,200	1,370	1,140	653	291	141
25	290	796	2,420	2,140	2,930	1,240	1,930	1,260	1,110	724	281	81
26	305	713	3,200	2,390	5,150	2,000	1,930	1,130	1,220	1,410	205	133
27	365	614	4,230	2,940	5,700	3,000	1,920	1,010	1,040	2,350	162	141
28	362	647	4,280	3,360	5,160	3,640	1,900	1,100	882	2,080	151	126
29	319	640	4,130	3,270	4,770	4,640	1,770	2,170	733	1,850	204	196
30	327	676	3,930	2,940	.....	5,500	1,610	1,860	561	1,790	188	194
31	272	.....	3,620	2,830	.....	6,000	.....	1,500	.....	1,910	210	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-17												
1	141	157	1,110	960	1,290	1,540	2,930	672	1,560	319	48	142
2	94	176	813	897	1,180	1,340	2,670	786	1,550	333	55	149
3	151	176	488	850	728	1,090	2,390	727	1,460	351	95	91
4	131	166	493	922	759	880	2,050	699	1,360	316	131	74
5	100	97	351	1,520	641	733	2,090	1,720	1,090	194	79	98
6	104	132	311	2,080	564	654	3,210	2,220	910	229	69	103
7	128	145	254	1,930	508	636	3,420	2,130	754	161	70	47
8	85	137	218	1,810	450	854	3,140	1,960	698	145	73	74
9	95	134	362	1,580	450	1,320	2,980	1,850	562	118	67	96
10	91	131	469	1,520	425	1,840	2,720	1,700	511	191	71	66
11	97	158	533	1,190	376	2,420	2,470	1,530	562	505	59	98
12	120	119	556	941	359	3,370	2,200	1,280	628	828	51	91
13	101	128	602	972	249	3,290	2,000	1,150	626	712	72	68
14	147	159	487	1,950	248	3,060	1,720	1,000	808	606	58	63
15	89	123	339	2,260	201	3,150	1,470	838	1,300	634	53	75
16	90	115	254	1,770	199	3,140	1,400	692	1,360	604	65	66
17	106	108	304	1,450	212	3,460	1,280	628	1,210	556	53	44
18	114	133	321	1,430	170	3,420	1,100	630	1,060	532	36	44
19	361	98	301	1,320	295	2,920	965	566	904	459	31	41
20	350	94	268	1,140	334	2,670	890	534	795	410	38	39
21	398	93	289	1,040	406	2,480	887	489	609	286	49	39
22	237	99	953	1,350	385	2,180	961	409	454	275	82	31
23	194	182	1,650	1,390	569	2,130	867	520	401	514	121	16
24	217	489	1,690	1,310	1,510	2,510	813	480	480	285	111	35
25	181	564	1,370	1,240	1,560	2,790	719	469	464	262	139	35
26	82	291	1,190	1,010	1,440	2,580	678	503	269	138	85	37
27	126	298	1,120	887	1,720	3,060	657	423	361	226	67	35
28	148	244	1,280	802	1,890	4,530	671	782	388	141	139	41
29	120	164	1,370	818	.....	4,340	589	1,930	392	92	99	43
30	95	553	1,170	871	.....	3,700	608	1,780	412	58	84	34
31	132	.....	1,040	1,160	.....	3,270	.....	1,570	.....	51	88	.....
1917-18												
1	56	1,380	759	85	305	5,830	561	1,880	844	256	289	127
2	61	1,040	1,010	69	262	4,690	531	1,800	688	167	224	166
3	50	865	837	68	252	3,990	559	1,600	604	216	211	160
4	60	680	697	66	187	3,550	872	1,610	474	136	168	122
5	101	582	602	52	190	3,300	804	1,480	443	111	142	132
6	78	395	492	55	228	3,220	650	1,380	375	167	144	108
7	94	358	361	49	274	3,330	625	1,190	417	131	105	90
8	55	287	209	68	219	3,000	604	1,060	470	94	87	95
9	85	266	175	105	284	2,900	675	842	446	124	83	46
10	102	236	190	79	271	2,860	1,220	726	482	122	63	50
11	88	190	221	117	273	2,480	1,280	817	549	105	82	57
12	124	190	197	692	365	2,520	1,440	735	763	91	65	61
13	124	214	163	974	638	2,430	1,690	687	1,020	130	176	59
14	159	196	130	1,010	914	2,850	1,830	1,110	787	57	211	35
15	108	178	151	1,110	1,640	3,050	2,010	1,280	647	150	185	105
16	121	161	114	1,050	1,850	2,710	2,020	1,050	561	203	157	45
17	97	162	111	998	1,990	2,620	1,970	882	515	185	119	48
18	85	191	212	890	1,840	2,550	2,020	829	387	162	88	101
19	70	105	187	830	2,560	2,300	2,040	574	287	169	93	142
20	109	156	186	758	4,680	2,100	1,850	554	231	168	55	201
21	127	177	207	677	5,220	1,950	2,470	530	250	81	50	235
22	103	217	189	653	5,640	1,800	3,300	903	485	82	49	200
23	106	319	148	625	4,930	1,580	2,960	956	523	80	51	162
24	684	266	147	523	4,270	1,450	2,840	954	518	87	42	161
25	1,190	207	197	470	4,300	1,340	2,610	883	465	61	39	170
26	923	168	234	428	5,570	1,350	2,290	777	433	63	47	171
27	561	140	216	374	6,420	1,270	2,020	821	368	90	29	140
28	528	209	181	347	6,490	1,170	1,700	752	254	62	37	132
29	544	117	160	366	.....	1,060	1,590	695	199	55	43	116
30	1,100	172	93	353	.....	802	1,570	854	150	240	37	86
31	1,570	.....	81	316	.....	655	.....	935	.....	341	96	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-19												
1	119	58	179	986	616	3,380	3,050	1,110	759	417	2,400	662
2	105	73	226	1,610	447	3,910	2,670	1,640	664	331	2,140	916
3	65	57	393	2,130	443	3,810	2,360	1,670	550	244	1,800	1,700
4	68	39	323	2,090	418	3,360	2,080	1,480	436	188	1,630	2,850
5	89	57	179	1,810	397	3,100	1,930	1,560	367	256	1,460	2,170
6	59	47	134	1,740	380	2,800	1,650	1,470	356	71	1,480	1,660
7	48	48	96	1,600	339	2,490	1,620	1,370	317	49	2,150	1,250
8	71	50	73	1,530	329	2,170	1,430	1,270	231	130	1,830	1,120
9	64	83	85	1,170	298	3,550	1,320	1,190	400	139	1,480	892
10	48	73	57	825	293	4,290	1,270	1,680	530	95	1,270	763
11	60	39	113	811	258	4,080	1,250	2,400	421	101	1,150	895
12	51	55	198	703	249	3,780	1,560	2,320	294	84	1,040	1,140
13	65	54	391	664	234	3,370	1,520	2,150	117	124	967	1,120
14	42	75	510	507	595	2,880	1,410	1,930	138	94	1,210	880
15	42	70	818	433	1,170	2,550	1,340	1,740	70	99	1,180	729
16	58	61	1,160	428	1,450	2,380	1,740	1,620	51	116	1,210	584
17	44	98	1,060	413	1,430	2,510	2,910	2,220	84	135	1,250	516
18	46	239	847	431	1,360	2,370	2,760	2,630	199	166	1,880	528
19	44	478	696	454	1,270	2,240	2,510	2,240	205	325	2,120	461
20	58	445	555	495	1,160	2,190	2,290	2,040	322	476	1,910	416
21	40	383	399	454	1,090	2,040	2,280	2,010	294	1,220	1,680	269
22	44	297	504	443	971	1,870	2,090	2,100	225	3,700	1,510	581
23	48	249	1,320	562	1,320	1,710	1,820	2,180	166	6,750	1,370	1,650
24	46	188	1,540	1,350	1,520	1,570	1,690	1,960	152	8,630	1,240	1,580
25	46	140	1,690	1,400	1,570	1,440	1,580	1,850	128	8,180	1,190	1,410
26	39	249	1,680	1,080	2,400	1,310	1,410	1,820	142	6,710	1,120	1,350
27	41	297	1,520	1,100	2,420	1,670	1,260	1,600	348	6,020	1,000	1,240
28	46	97	1,420	1,000	2,320	3,780	1,220	1,410	888	5,110	878	1,200
29	55	155	1,250	950	.....	4,010	1,100	1,300	644	3,910	765	1,120
30	49	192	1,160	860	.....	3,420	1,020	1,170	466	3,130	714	888
31	70	.....	983	761	.....	3,320	.....	992	.....	2,620	728	.....
1919-20												
1	759	1,240	2,530	699	298	477	4,240	2,120	566	719	1,610	748
2	676	1,470	2,260	538	359	422	4,130	2,020	489	571	1,500	636
3	667	1,600	2,080	390	429	418	4,210	1,770	428	1,120	1,280	502
4	644	1,600	1,840	484	339	498	3,840	1,620	389	1,200	1,160	414
5	592	2,190	1,660	488	310	1,760	4,050	1,370	963	1,100	940	281
6	590	2,310	1,590	390	368	3,610	4,660	1,180	1,670	1,080	933	212
7	466	2,060	1,690	389	458	3,510	4,240	1,200	1,360	1,040	796	342
8	397	1,950	1,880	439	445	4,360	3,780	1,300	1,130	981	805	459
9	362	1,830	2,180	1,150	476	5,110	3,440	1,280	939	955	674	435
10	351	1,710	2,810	1,330	454	4,530	3,090	1,230	805	921	660	622
11	383	1,600	2,550	1,130	448	4,670	2,760	1,190	635	659	858	837
12	509	1,600	2,350	1,010	436	5,070	2,790	1,230	534	896	1,100	1,450
13	789	2,060	2,400	936	445	7,600	2,930	1,460	814	1,250	1,260	1,680
14	884	2,250	2,660	831	430	9,030	2,950	1,760	904	1,090	1,600	1,440
15	1,420	2,010	2,530	740	484	10,200	2,580	1,730	696	989	1,690	1,180
16	1,380	1,840	2,150	631	565	10,300	2,520	1,610	522	1,020	1,720	960
17	1,640	1,820	1,830	533	621	11,400	3,180	1,430	613	1,090	1,930	661
18	1,640	1,690	1,370	399	629	11,600	3,100	1,320	1,180	863	1,810	489
19	1,510	1,630	1,590	402	654	10,600	2,760	1,290	1,260	919	1,670	365
20	1,490	1,520	1,690	406	593	9,200	2,690	1,430	1,090	821	1,640	392
21	1,370	1,320	1,540	456	580	8,020	3,050	2,360	1,050	730	1,660	334
22	1,340	1,210	1,380	440	585	7,450	3,190	2,170	962	630	1,670	249
23	1,250	1,230	1,260	545	555	7,230	3,110	1,630	783	773	1,580	220
24	1,190	1,150	1,210	554	575	7,180	3,080	1,800	660	2,620	1,550	212
25	1,120	1,070	1,060	482	588	7,290	2,900	1,670	626	2,400	1,400	185
26	976	1,330	950	450	545	7,280	2,540	1,540	620	2,030	1,280	173
27	1,000	2,000	953	462	491	7,110	2,410	1,340	571	1,910	1,200	225
28	760	1,990	908	505	537	6,640	2,500	1,160	617	1,940	1,060	295
29	784	1,910	791	493	438	6,060	2,470	986	311	1,940	1,060	336
30	739	2,480	647	481	.....	5,250	2,280	846	461	1,730	1,030	2,050
31	1,040	.....	754	415	.....	4,790	.....	665	.....	1,620	809	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1920-21												
1	4,470	518	2,430	1,667	923	4,208	2,773	2,270	573	899	42	45
2	4,570	457	2,850	1,675	942	4,601	2,780	2,140	457	635	204	45
3	3,520	829	2,600	1,675	884	5,729	2,445	1,920	406	419	356	74
4	2,670	887	2,420	1,618	785	6,244	2,305	1,871	410	360	363	63
5	2,310	743	3,100	1,588	860	5,741	2,160	2,763	335	247	348	91
6	2,010	624	3,730	1,474	1,096	4,928	2,000	3,036	340	268	258	96
7	1,770	523	3,440	1,501	1,288	4,578	1,840	2,619	286	209	607	136
8	1,550	550	3,130	1,312	1,179	4,037	1,686	2,365	299	98	1,525	48
9	1,280	521	2,880	1,297	1,111	4,071	1,868	2,280	310	140	1,191	43
10	1,150	494	2,660	1,361	1,081	4,764	1,735	2,144	263	696	867	31
11	989	466	2,540	1,228	1,214	4,634	1,640	1,996	227	832	766	32
12	799	379	2,260	1,178	1,314	4,050	1,476	2,014	220	450	735	44
13	641	412	1,980	1,055	1,265	3,923	1,359	2,602	247	274	779	43
14	579	328	3,220	2,303	1,343	3,740	1,275	2,687	181	265	308	108
15	555	313	4,510	3,959	1,233	3,390	1,355	2,298	162	303	539	118
16	521	454	4,140	3,645	1,228	3,132	1,536	2,155	151	708	355	82
17	603	1,430	3,730	2,766	1,245	2,899	1,516	1,972	169	540	322	94
18	616	1,650	3,370	2,267	1,191	2,576	1,899	1,866	140	367	311	101
19	563	1,400	3,070	2,304	1,091	2,237	1,984	1,728	110	319	257	48
20	569	1,280	2,670	2,235	983	1,975	1,824	1,521	70	966	248	107
21	501	1,220	2,290	2,065	792	1,858	1,712	1,346	126	947	130	141
22	466	1,280	2,190	1,979	1,052	1,640	1,619	1,196	128	590	136	124
23	467	2,110	2,650	1,934	1,050	1,425	1,838	1,091	121	399	164	166
24	307	2,540	2,470	1,863	980	1,583	2,931	1,011	49	283	120	135
25	347	2,440	2,150	1,109	889	2,728	2,864	1,028	100	249	53	131
26	312	2,300	1,960	1,072	889	2,829	2,471	1,172	79	181	77	171
27	354	2,170	2,030	1,095	1,311	2,589	2,276	1,015	87	203	81	176
28	488	2,130	2,060	1,014	3,506	2,522	2,024	933	214	94	58	93
29	694	2,040	1,910	934	.....	2,396	1,807	799	574	95	50	37
30	619	1,780	1,810	873	.....	2,091	2,007	996	863	125	49	63
31	525	.....	1,720	1,022	.....	2,164	.....	672	.....	80	48	.....
1921-22												
1	54	36	959	214	50	1,366	3,255	652	511	1,593	460	436
2	31	216	881	97	1,142	1,331	3,491	563	614	1,846	786	345
3	38	213	1,308	182	1,462	1,323	3,121	410	1,155	2,156	1,081	270
4	30	216	2,217	268	1,437	1,306	3,064	685	2,702	2,768	1,131	934
5	94	112	1,120	227	1,439	1,458	2,910	2,233	2,789	2,940	946	1,697
6	35	59	837	238	1,615	1,555	2,712	2,389	3,087	2,825	738	1,079
7	34	69	754	256	1,690	2,711	2,538	1,899	2,787	2,592	598	1,060
8	79	50	643	164	1,556	6,388	2,372	1,708	2,449	2,436	509	1,000
9	110	98	493	245	1,452	6,563	2,232	1,589	2,168	2,307	366	874
10	105	100	360	184	1,317	5,748	2,084	1,506	1,925	2,103	312	771
11	35	73	300	195	1,286	5,119	1,892	1,291	1,872	1,838	237	701
12	48	103	358	92	1,047	4,887	1,812	1,175	1,656	1,616	343	757
13	108	71	364	186	935	4,459	1,672	996	1,364	1,454	236	650
14	50	82	374	143	915	4,157	1,614	795	1,103	1,364	235	523
15	33	139	262	119	729	3,829	2,107	661	864	1,221	143	381
16	38	125	264	109	599	3,463	2,196	586	679	1,059	233	285
17	138	215	166	126	492	3,041	2,091	586	631	900	196	222
18	224	230	405	136	562	2,704	2,278	1,267	885	830	112	323
19	41	250	755	165	511	2,444	2,158	4,119	1,354	1,061	193	144
20	111	301	689	181	1,122	3,194	2,039	4,795	1,070	997	261	213
21	36	521	567	382	1,515	3,661	1,881	4,129	1,209	795	277	137
22	28	399	290	336	1,563	3,066	1,671	3,646	1,272	639	252	137
23	109	367	347	395	1,788	2,850	1,497	3,085	1,040	559	141	82
24	36	319	394	349	1,845	2,682	1,298	2,724	797	419	198	107
25	42	235	709	268	1,728	2,585	1,185	2,361	805	658	134	184
26	39	325	643	225	1,646	2,483	1,072	2,142	749	687	174	121
27	38	153	604	126	1,601	2,290	994	1,809	643	644	237	53
28	41	565	468	114	1,512	2,256	874	1,445	728	625	266	115
29	28	1,266	342	73	.....	2,168	738	1,104	674	545	300	49
30	21	1,164	223	54	.....	2,003	726	767	603	470	221	70
31	37	.....	344	53	.....	2,183	.....	639	.....	302	267	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	38	101	152	2,686	1,065	526	1,812	2,506	264	53	50	23
2	45	48	104	4,065	1,049	720	1,660	2,389	133	34	61	38
3	42	107	82	3,030	1,076	1,366	1,587	2,251	268	133	43	20
4	120	157	159	2,452	1,106	1,997	1,366	2,054	642	79	39	25
5	134	105	172	2,242	989	2,200	1,911	1,884	445	127	43	25
6	136	175	171	2,165	754	1,917	2,289	1,690	329	39	40	20
7	80	267	177	1,771	709	1,747	2,239	1,392	846	122	43	25
8	113	304	205	1,387	677	1,885	2,108	1,164	1,555	129	42	22
9	128	62	230	1,305	696	1,812	1,988	1,051	1,324	144	41	35
10	299	160	186	1,289	620	1,800	1,821	1,035	1,079	109	18	128
11	351	186	213	1,033	531	1,591	1,661	928	1,027	92	17	113
12	249	92	171	936	526	1,911	1,500	816	713	57	15	127
13	273	170	183	631	653	2,133	1,360	984	586	83	15	123
14	380	119	130	407	683	2,366	1,251	984	451	23	40	42
15	170	192	181	653	644	2,336	1,074	821	437	23	35	63
16	190	105	105	667	618	3,627	947	780	410	36	23	49
17	177	109	189	515	606	5,817	908	1,023	297	36	21	33
18	192	106	244	446	521	7,675	768	966	338	43	13	20
19	175	93	230	461	559	7,143	734	818	304	53	9	17
20	152	158	189	465	457	5,985	613	714	230	49	15	19
21	98	144	190	1,075	460	5,720	610	828	87	52	15	17
22	116	155	199	2,143	373	5,219	600	1,149	139	45	15	66
23	126	160	137	2,012	292	4,948	557	1,038	127	49	15	54
24	111	160	179	1,794	323	5,321	501	830	55	40	14	207
25	162	106	161	1,863	266	4,934	497	741	130	39	12	229
26	64	70	190	1,829	374	4,300	367	516	107	64	9	194
27	141	100	200	1,758	432	3,734	336	470	101	50	17	128
28	91	52	749	1,582	463	3,267	648	404	109	74	15	61
29	100	82	574	1,469	.....	2,731	3,110	332	161	33	26	98
30	147	39	582	1,271	.....	2,466	3,187	293	62	33	81	56
31	109	.....	645	1,083	.....	2,130	.....	302	.....	115	101	.....
1923-24												
1	47	647	2,255	1,501	1,427	621	2,530	2,091	1,339	425	65	84
2	53	552	1,942	1,427	1,319	690	1,783	1,954	1,197	548	103	123
3	43	451	1,611	2,120	1,201	814	1,967	1,750	1,108	423	34	110
4	43	291	1,343	2,442	1,184	904	2,205	1,677	1,029	393	35	69
5	49	380	1,573	1,881	1,346	1,234	2,506	1,575	901	256	35	109
6	89	310	2,998	1,650	1,794	1,631	3,586	1,419	819	118	30	65
7	71	360	3,535	1,696	1,616	1,990	7,609	1,333	784	192	31	55
8	36	399	2,630	1,684	1,516	1,834	10,787	1,376	762	578	51	79
9	33	389	2,157	1,908	1,398	1,851	10,188	3,120	776	2,203	89	279
10	17	339	1,915	1,506	1,399	2,038	8,457	3,778	729	1,639	35	561
11	16	285	1,802	2,200	1,279	2,296	6,754	3,572	659	1,434	35	546
12	11	269	1,638	3,145	1,121	2,529	5,117	4,979	570	1,413	82	484
13	10	273	1,454	2,543	1,000	2,243	4,163	6,499	557	1,404	98	355
14	9	275	1,352	2,255	784	2,159	3,376	6,589	562	1,340	277	372
15	29	207	1,224	2,086	773	2,093	2,958	5,742	498	1,040	285	333
16	24	123	1,058	2,338	649	1,876	2,513	4,819	540	906	248	162
17	47	169	1,014	4,265	522	1,699	2,165	3,958	457	743	128	213
18	32	153	858	4,396	590	1,577	2,660	3,590	526	534	149	106
19	20	173	713	3,898	482	1,486	4,185	3,300	572	477	124	153
20	16	212	671	3,656	490	1,427	4,072	2,920	602	337	69	100
21	84	144	585	2,741	800	1,365	3,968	2,806	459	127	88	73
22	142	146	716	1,963	899	1,321	3,906	2,534	465	215	89	182
23	277	278	1,287	1,931	937	1,217	3,614	2,278	397	144	56	147
24	1,561	675	1,644	1,744	818	1,378	3,217	2,131	282	123	41	198
25	2,985	955	1,467	2,401	811	1,329	2,782	2,130	388	113	56	210
26	2,097	751	1,380	2,149	693	1,462	2,442	1,896	450	71	334	214
27	1,298	647	1,323	1,732	673	1,557	2,142	1,711	464	60	299	218
28	901	606	1,462	1,868	636	1,660	1,880	1,692	530	71	238	124
29	646	401	1,576	1,758	619	1,766	1,644	1,654	588	35	207	199
30	650	1,154	1,417	1,695	.....	1,968	1,600	1,668	660	65	165	1,316
31	586	.....	1,396	1,654	.....	2,352	.....	1,498	.....	43	58	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	3,360	157	251	221	288	4,403	2,334	784	707	220	1,694	52
2	2,499	122	237	150	297	5,620	2,106	841	597	265	1,430	54
3	1,698	157	185	141	323	4,901	1,923	706	467	295	1,081	55
4	1,400	60	214	284	323	4,222	1,776	698	447	240	1,024	41
5	1,316	37	229	231	317	3,762	1,648	563	424	216	1,023	86
6	1,152	157	741	234	467	3,572	1,362	494	322	207	1,156	113
7	1,059	137	994	222	367	3,277	1,325	485	166	203	1,090	215
8	1,014	219	958	227	415	3,022	1,140	454	334	177	1,034	240
9	853	112	1,113	188	620	2,720	973	403	151	301	970	231
10	768	150	1,027	179	1,244	2,413	1,022	344	434	297	1,095	224
11	683	55	928	160	2,683	2,317	1,175	610	257	287	913	199
12	544	166	740	189	5,496	2,210	1,167	1,083	226	229	823	141
13	445	148	793	181	5,995	1,990	1,057	948	234	204	809	166
14	341	182	738	218	5,535	1,889	1,021	784	166	197	690	167
15	224	118	475	110	5,515	1,771	1,252	756	236	119	685	99
16	261	140	536	175	6,036	1,633	1,372	727	315	232	602	324
17	256	169	501	243	5,996	1,592	1,326	644	449	854	505	506
18	227	202	512	290	5,280	2,021	1,155	528	257	702	446	416
19	208	177	528	307	4,637	3,013	1,157	467	223	272	341	391
20	170	144	540	241	4,291	3,186	1,042	372	241	298	307	332
21	220	167	393	279	4,108	2,803	978	381	183	283	228	258
22	197	256	181	303	3,961	2,749	842	348	190	344	167	216
23	149	654	230	246	4,006	2,609	820	228	141	639	127	148
24	197	771	500	234	4,009	2,386	659	611	103	469	143	122
25	115	508	589	231	3,947	2,126	683	1,583	173	239	141	130
26	135	484	542	296	4,418	1,961	664	1,570	168	320	48	125
27	178	424	448	233	4,356	1,900	680	1,392	158	379	110	78
28	146	279	371	236	3,646	2,650	627	1,191	219	404	77	113
29	159	308	265	189	.....	2,943	495	1,053	319	448	120	48
30	171	244	233	216	.....	2,741	571	1,048	446	286	110	91
31	162	.....	173	285	.....	2,556	.....	941	.....	784	42	.....
1925-26												
1	56	749	1,290	349	1,282	4,752	2,386	664	371	59	421	134
2	48	627	1,573	345	1,163	4,939	2,145	687	291	51	379	637
3	36	560	2,494	363	948	4,933	2,080	584	369	46	143	711
4	132	496	3,782	382	459	4,339	2,349	562	334	34	144	695
5	264	450	3,949	430	674	4,040	2,253	480	315	28	77	749
6	328	397	3,839	498	901	3,220	2,038	384	189	51	45	1,571
7	329	421	3,873	518	925	3,769	1,999	377	263	86	35	2,449
8	306	444	3,638	448	786	4,451	2,334	411	266	73	82	2,010
9	313	483	3,366	372	632	4,170	2,762	329	250	64	45	1,810
10	230	474	3,004	367	552	3,994	2,639	364	216	40	39	1,827
11	249	396	2,650	397	571	3,669	2,521	212	65	80	28	1,840
12	175	713	2,452	403	545	3,232	2,263	264	207	50	50	1,798
13	166	2,960	2,270	181	594	2,879	2,064	256	152	46	307	1,718
14	57	3,410	1,938	254	718	2,495	1,924	347	140	46	908	1,614
15	294	2,529	1,643	228	968	2,168	1,781	547	233	48	1,037	1,408
16	366	2,905	1,491	242	1,147	1,900	1,713	568	235	47	1,125	1,314
17	413	2,995	1,357	259	1,129	1,686	1,406	646	198	122	1,912	1,128
18	415	2,652	1,231	551	1,212	1,480	1,278	627	184	169	1,639	974
19	365	2,476	1,107	1,702	1,658	1,532	989	544	112	175	1,524	691
20	345	2,352	1,008	1,508	2,071	1,630	908	424	129	165	1,372	501
21	285	2,197	1,068	1,584	1,950	2,002	829	392	59	177	1,100	398
22	247	1,910	1,236	1,943	1,772	2,092	821	345	54	96	1,001	155
23	237	1,752	1,210	1,581	1,668	2,250	762	290	91	65	945	175
24	142	1,544	1,090	1,433	1,644	2,409	782	309	72	143	862	202
25	560	1,384	1,025	1,305	2,331	2,406	1,126	369	82	405	791	233
26	1,082	1,280	748	1,388	5,519	2,429	1,189	188	141	484	778	244
27	904	1,272	488	1,218	5,279	2,466	854	144	78	522	756	180
28	844	1,501	549	727	4,686	2,260	738	124	67	533	614	178
29	824	1,423	484	414	.....	2,105	693	215	54	495	482	166
30	768	1,299	412	640	.....	1,966	692	169	55	467	350	242
31	823	.....	355	749	.....	2,012	.....	197	.....	455	319	.....

Daily discharge, in second-feet, of Passaic River at Paterson, for the years ending September 30, 1897-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	233	1,771	2,035	1,647	1,528	3,148	1,316	999	1,963	279	2,068	5,575
2	226	1,631	1,866	1,556	1,414	2,881	1,214	817	1,770	339	2,180	7,441
3	240	1,546	1,722	1,617	1,464	2,172	1,123	682	1,518	262	1,996	8,707
4	180	1,417	1,486	1,638	1,519	1,999	1,091	646	1,345	186	1,820	7,496
5	53	1,282	1,011	1,623	1,440	2,031	1,017	621	1,328	97	1,704	5,767
6	111	1,289	995	1,741	1,328	1,888	1,095	621	1,132	191	1,661	4,332
7	135	1,000	1,209	1,251	1,246	1,790	1,003	602	941	238	1,551	3,519
8	208	1,020	1,272	902	1,127	2,120	992	529	853	178	1,949	3,032
9	261	1,486	1,228	821	1,142	2,461	839	538	656	277	2,405	2,678
10	121	2,977	1,148	694	993	2,397	685	1,222	577	163	1,985	2,425
11	123	2,789	1,071	456	1,072	2,292	629	1,792	540	103	1,758	2,078
12	141	2,261	1,009	472	972	2,205	566	1,996	465	234	1,617	1,848
13	147	2,053	938	468	936	2,239	535	1,740	411	76	1,555	1,595
14	125	1,856	989	597	914	2,371	473	1,435	454	198	1,969	1,441
15	52	1,861	1,152	420	928	2,454	469	1,789	415	48	3,441	1,317
16	63	2,502	966	252	1,105	2,446	503	1,904	464	104	3,202	1,035
17	167	3,713	813	575	1,327	2,264	400	1,670	439	340	2,565	884
18	236	3,440	693	614	1,926	2,098	491	1,438	432	453	2,552	849
19	309	3,188	689	613	1,976	1,997	456	1,330	443	446	2,538	983
20	481	3,203	658	904	1,484	2,021	439	1,356	626	377	2,240	893
21	838	3,006	623	1,707	1,641	2,421	476	1,334	660	247	1,968	909
22	927	2,831	694	1,824	1,771	2,610	1,028	949	621	214	1,794	802
23	808	2,573	708	2,336	1,861	2,402	1,293	1,024	574	2,336	1,651	716
24	788	2,440	594	2,446	2,079	2,175	1,295	1,923	462	2,610	1,668	661
25	2,421	2,047	596	2,173	2,589	2,026	965	2,873	416	1,951	1,513	586
26	2,765	2,013	900	1,922	3,580	1,840	860	3,118	389	1,681	1,371	516
27	2,199	2,222	987	1,653	3,636	1,740	907	2,885	401	1,614	2,012	509
28	1,868	1,982	1,425	1,512	3,278	1,668	1,256	2,674	382	1,654	2,686	401
29	1,775	1,883	1,993	1,574	.....	1,580	1,420	2,521	282	1,571	3,808	287
30	1,600	2,005	1,768	1,618	.....	1,387	1,247	2,319	284	1,464	4,055	323
31	1,655	.....	1,702	1,584	.....	1,335	.....	2,168	.....	1,462	3,606	.....
1927-28												
1	385	1,333	1,987	1,690	1,289	2,527	2,119	4,070	531	1,570	1,359	3,079
2	129	1,326	2,120	1,121	1,106	2,284	1,958	3,353	526	1,403	1,345	2,793
3	335	2,211	2,710	1,126	895	1,917	1,849	2,902	490	1,328	1,239	2,584
4	860	4,760	2,582	1,039	962	1,415	1,722	2,481	386	1,245	1,020	2,819
5	1,231	5,735	2,574	1,028	1,065	1,489	1,578	2,158	785	1,551	971	2,403
6	843	5,122	2,579	911	1,248	1,335	1,413	1,895	1,582	3,119	902	2,234
7	759	4,149	2,715	780	1,220	1,164	1,325	1,684	1,627	3,225	986	2,049
8	650	3,520	4,256	749	1,988	1,039	1,261	1,478	1,450	2,866	1,024	1,836
9	555	3,141	5,129	996	2,430	992	1,014	1,341	1,402	2,579	888	1,637
10	643	2,947	4,662	853	2,391	1,019	961	1,281	1,600	2,468	916	1,472
11	739	2,745	4,363	894	2,201	1,168	1,022	1,072	1,459	2,366	945	1,351
12	601	2,605	4,279	849	1,993	1,184	1,306	998	1,328	2,277	1,152	1,282
13	1,750	2,351	4,238	835	1,948	1,593	1,514	815	1,004	2,449	898	1,019
14	1,996	2,123	4,463	834	2,340	2,065	1,443	748	1,056	2,477	692	891
15	1,547	1,858	4,302	833	3,891	2,113	1,363	649	1,856	2,597	573	906
16	1,360	1,771	4,150	798	4,099	1,965	1,291	612	1,522	2,329	441	798
17	1,503	2,023	3,867	730	3,662	1,948	1,099	557	1,309	2,126	686	784
18	3,372	4,795	3,470	740	3,398	2,077	1,011	907	1,122	1,963	1,277	699
19	5,194	4,090	2,960	935	3,054	2,027	910	1,289	1,190	1,864	1,306	793
20	5,784	4,697	2,683	1,335	2,814	1,859	833	1,276	1,732	1,779	1,149	1,259
21	5,965	3,150	2,464	843	2,412	1,788	751	1,293	1,569	1,699	1,062	1,333
22	5,002	2,980	2,271	1,051	2,364	1,694	1,178	1,168	1,624	1,649	1,279	1,114
23	4,168	2,840	2,174	1,138	3,661	1,677	1,979	1,031	1,681	1,659	1,536	1,045
24	3,656	2,710	1,868	1,293	4,211	1,557	2,767	914	1,757	1,558	1,605	984
25	3,241	2,581	1,566	1,985	3,960	1,557	2,897	744	1,738	1,434	1,990	812
26	2,860	2,462	1,497	1,804	3,631	1,530	2,787	690	1,608	1,352	2,845	628
27	2,469	2,404	1,348	1,490	3,418	1,453	3,019	621	1,478	1,320	4,319	530
28	2,198	2,326	1,162	1,497	3,142	1,369	3,940	603	1,402	1,883	4,370	494
29	1,887	2,242	1,172	1,333	2,902	1,335	4,391	649	1,379	1,925	4,341	454
30	1,633	2,118	1,328	1,336	.....	1,986	4,396	635	1,488	1,537	4,017	462
31	1,394	.....	1,485	1,402	.....	2,290	.....	583	.....	1,391	3,551	.....

NOTE.—These tables indicate the total flow in river just above the Great Falls.

Monthly discharge of Passaic River at Paterson, for the years ending September 30, 1898-1928.

[Drainage area, 785 square miles.]

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1897-98						
October	547	226	323	.....	.....	.....
November	1,520	417	883	.....	.....	.....
December	5,600	775	2,000	.....	.....	.....
January	5,640	1,020	2,310	2,480	3.16	3.64
February	9,500	1,330	3,290	3,400	4.33	4.51
March	2,840	942	1,750	1,850	2.36	2.72
April	3,050	1,090	1,790	1,890	2.41	2.69
May	5,610	1,980	3,690	3,790	4.83	5.57
June	2,240	419	834	878	1.12	1.25
July	1,020	217	512	519	.661	.76
August	1,910	346	795	835	1.06	1.22
September	473	184	295	284	.362	.40
The year	9,500	184	1,530	.....	.....	.....
1898-99						
October	1,440	217	611	643	.819	.94
November	3,700	471	1,820	2,020	2.57	2.87
December	5,300	953	2,460	2,700	3.44	3.97
January	3,590	1,430	2,420	2,600	3.31	3.82
February	6,440	811	2,110	2,240	2.85	2.97
March	7,830	3,600	5,310	5,460	6.96	8.02
April	4,600	711	2,410	2,500	3.18	3.55
May	810	299	547	592	.754	.87
June	427	130	259	273	.348	.39
July	383	108	276	325	.414	.48
August	380	117	246	272	.346	.40
September	578	125	291	322	.410	.46
The year	7,830	108	1,560	1,660	2.11	28.74
1899-1900						
October	349	146	251	285	.363	.42
November	1,400	203	668	808	1.03	1.15
December	2,160	198	545	711	.906	1.04
January	3,560	230	1,260	1,510	1.92	2.21
February	9,430	446	3,720	4,030	5.13	5.34
March	8,420	986	2,980	3,140	4.00	4.61
April	1,950	636	1,180	1,320	1.68	1.87
May	3,890	411	1,260	1,380	1.76	2.03
June	741	82	410	483	.615	.69
July	357	12	214	243	.310	.36
August	255	14	157	190	.212	.28
September	230	70	168	122	.155	.17
The year	9,430	12	1,050	1,170	1.49	20.17
1900-1901						
October	307	23	143	235	.299	.34
November	860	48	225	340	.433	.48
December	834	99	313	466	.594	.68
January	1,240	178	463	607	.773	.89
February	244	113	178	301	.383	.40
March	6,400	102	2,510	2,910	3.71	4.28
April	9,270	1,180	4,130	4,440	5.66	6.32
May	4,060	1,340	2,330	2,510	3.20	3.69
June	3,050	263	1,240	1,350	1.72	1.92
July	887	90	312	421	.536	.62
August	8,530	80	223	405	.516	.59
September	2,810	178	897	1,020	1.30	1.45
The year	9,270	23	1,080	1,250	1.59	21.66

Monthly discharge of Passaic River at Paterson, for the years ending September 30, 1898-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1901-2						
October	827	62	341	448	0.571	0.66
November	1,160	290	448	551	.702	.78
December	10,500	462	2,240	2,470	3.15	3.63
January	7,840	508	2,780	2,900	3.69	4.25
February	11,900	401	1,640	1,780	2.27	2.36
March	21,400	1,320	6,640	6,770	8.62	9.94
April	5,890	515	2,200	2,330	2.97	3.31
May	2,090	260	780	922	1.17	1.35
June	924	65	406	524	.668	.75
July	1,640	140	505	645	.822	.95
August	2,200	98	1,060	1,170	1.49	1.72
September	5,840	80	885	1,020	1.30	1.45
The year	21,400	62	1,670	1,800	2.29	31.15
1902-3						
October	6,050	2,440	4,540	4,720	6.01	6.93
November	4,090	1,770	2,510	2,640	3.36	3.75
December	11,000	2,190	4,490	4,670	5.95	6.86
January	3,890	1,070	2,400	2,540	3.24	3.74
February	3,950	1,310	2,670	2,810	3.58	3.73
March	7,660	1,540	3,980	4,110	5.24	6.04
April	8,760	1,080	3,340	3,470	4.42	4.93
May	965	272	4,910	5,010	6.38	7.36
June	3,620	117	1,710	1,910	2.43	2.71
July	3,420	267	859	979	1.25	1.44
August	2,560	82	950	1,070	1.36	1.57
September	1,540	52	747	891	1.14	1.27
The year	11,000	52	2,770	2,910	3.71	50.33
1903-4						
October	28,000	30	5,610	5,820	7.41	8.54
November	1,830	539	893	1,030	1.31	1.46
December	4,880	449	1,580	1,740	2.22	2.56
January	2,900	443	1,090	1,250	1.59	1.83
February	3,960	326	1,350	1,520	1.94	2.09
March	9,090	1,260	2,820	2,970	3.78	4.36
April	4,010	405	1,470	1,640	2.09	2.33
May	1,880	179	581	752	.958	1.10
June	1,320	42	495	633	.806	.90
July	349	0	205	338	.431	.50
August	1,090	281	555	680	.866	1.00
September	5,160	15	1,100	1,300	1.66	1.85
The year	28,000	0	1,480	1,640	2.09	28.52
1904-5						
October	4,040	134	944	1,260	1.61	1.86
November	1,250	424	767	1,020	1.30	1.45
December	1,350	201	531	701	.893	1.03
January	8,000	392	2,450	2,710	3.45	3.98
February	1,140	604	813	898	1.14	1.19
March	8,760	479	3,680	3,950	5.03	5.80
April	3,730	572	1,660	1,800	2.29	2.56
May	677	124	432	511	.651	.75
June	646	157	266	382	.487	.54
July	387	0	133	214	.273	.31
August	614	15	271	366	.466	.54
September	1,760	110	826	1,020	1.30	1.45
The year	8,760	0	1,070	1,240	1.58	21.46

Monthly discharge of Passaic River at Paterson, for the years ending September 30, 1898-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1905-6						
October	1,180	95	435	579	0.738	0.85
November	1,270	84	269	415	.529	.59
December	3,250	484	1,940	2,180	2.78	3.20
January	2,680	875	1,770	2,040	2.60	3.00
February	2,010	345	780	1,010	1.29	1.34
March	6,110	751	2,220	2,470	3.15	3.63
April	5,810	1,120	3,040	3,180	4.05	4.52
May	3,240	324	1,050	1,210	1.54	1.78
June	2,870	334	1,110	1,260	1.61	1.80
July	2,270	310	902	1,080	1.38	1.59
August	2,190	260	856	1,030	1.31	1.51
September	494	122	212	331	.422	.47
The year	6,110	84	1,220	1,400	1.78	24.28
1906-7						
October	995	76	371	509	.648	.75
November	1,100	253	516	688	.876	.98
December	2,220	149	706	918	1.17	1.35
January	3,700	517	1,640	1,900	2.42	2.79
February	570	253	417	544	.693	.72
March	8,100	272	2,860	3,100	3.95	4.55
April	2,680	1,020	1,630	1,800	2.29	2.56
May	3,150	691	1,570	1,740	2.22	2.56
June	1,880	210	807	978	1.25	1.40
July	573	97	233	347	.442	.51
August	261	88	148	202	.257	.30
September	3,430	60	781	1,130	1.44	1.61
The year	8,100	60	979	1,160	1.48	20.08
1907-8						
October	7,960	234	1,860	2,110	2.69	3.10
November	9,190	2,770	4,760	4,910	6.25	6.97
December	6,320	1,880	3,680	3,860	4.92	5.67
January	7,160	1,390	3,290	3,450	4.39	5.06
February	7,460	1,340	3,490	3,700	4.71	5.08
March	5,120	1,970	3,120	3,300	4.20	4.84
April	1,880	613	1,180	1,340	1.71	1.91
May	7,020	1,400	3,170	3,370	4.29	4.95
June	3,500	281	1,120	1,270	1.62	1.81
July	1,010	94	342	466	.594	.68
August	1,100	136	364	483	.615	.71
September	388	87	184	254	.324	.36
The year	9,190	87	2,210	2,370	3.02	41.14
1908-9						
October	486	34	207	315	.401	.46
November	446	152	240	343	.437	.49
December	665	159	385	550	.701	.81
January	2,900	244	926	1,260	1.61	1.86
February	6,490	368	2,460	2,900	3.69	3.84
March	5,110	707	2,220	2,400	3.06	3.53
April	6,150	781	3,020	3,210	4.09	4.56
May	5,230	601	1,880	2,030	2.59	2.99
June	1,270	287	513	690	.879	.98
July	275	75	187	253	.322	.37
August	1,350	77	295	462	.589	.68
September	250	55	142	191	.243	.27
The year	6,490	34	1,030	1,200	1.53	20.84

Monthly discharge of Passaic River at Paterson, for the years ending September 30, 1898-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1909-10						
October	163	56	129	187	0.238	0.27
November	316	68	179	303	.386	.43
December	3,290	166	622	941	1.20	1.38
January	5,720	159	1,550	2,010	2.56	2.95
February	4,520	530	1,800	2,110	2.69	2.80
March	8,300	775	3,010	3,230	4.11	4.74
April	8,980	304	2,410	2,630	3.35	3.74
May	4,070	555	1,540	1,700	2.17	2.50
June	2,240	444	1,260	1,440	1.83	2.04
July	667	55	211	367	.468	.54
August	279	56	155	240	.306	.35
September	277	38	141	212	.270	.30
The year	8,980	38	1,080	1,280	1.63	22.04
1910-11						
October	206	34	108	181	.231	.27
November	1,070	102	325	550	.701	.78
December	875	98	286	489	.623	.72
January	1,960	285	848	1,270	1.62	1.87
February	1,760	486	928	1,190	1.52	1.58
March	3,330	617	1,430	1,720	2.19	2.52
April	3,370	1,170	2,280	2,560	3.26	3.64
May	1,130	126	473	635	.809	.93
June	2,880	152	906	1,160	1.48	1.65
July	384	21	204	367	.468	.54
August	2,050	49	254	459	.585	.67
September	2,400	110	558	774	.986	1.10
The year	3,370	21	711	941	1.20	16.27
1911-12						
October	4,030	305	1,560	1,810	2.31	2.66
November	3,240	644	1,600	1,790	2.28	2.54
December	2,340	849	1,400	1,590	2.03	2.34
January	1,260	346	587	785	1.00	1.15
February	3,740	203	1,000	1,290	1.64	1.77
March	10,400	924	4,340	4,560	5.81	6.70
April	4,890	1,250	2,310	2,500	3.18	3.55
May	3,370	622	1,770	1,960	2.50	2.88
June	1,120	107	423	560	.713	.80
July	217	107	151	250	.318	.37
August	544	104	247	449	.572	.66
September	544	101	288	487	.620	.69
The year	10,400	101	1,310	1,510	1.92	26.11
1912-13						
October	2,090	145	527	743	.947	1.09
November	2,700	667	1,360	1,620	2.06	2.30
December	4,040	671	1,260	1,540	1.96	2.26
January	5,620	1,540	2,880	3,170	4.04	4.66
February	2,410	374	901	1,130	1.44	1.50
March	7,450	1,200	3,520	3,740	4.76	5.49
April	5,840	1,340	3,000	3,190	4.06	4.53
May	2,670	502	1,170	1,350	1.72	1.98
June	1,090	158	345	485	.618	.69
July	187	7	119	201	.256	.30
August	146	29	95.8	176	.224	.26
September	355	70	123	238	.303	.34
The year	7,450	7	1,280	1,470	1.87	25.40

Monthly discharge of Passaic River at Paterson, for the years ending September 30, 1898-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1913-14						
October	4,460	187	1,110	1,560	1.99	2.29
November	3,530	517	1,330	1,700	2.17	2.42
December	3,040	418	1,080	1,320	1.68	1.94
January	3,470	522	1,490	1,740	2.22	2.56
February	4,130	455	1,410	1,630	2.08	2.17
March	7,980	570	2,570	2,840	3.62	4.17
April	5,870	1,380	2,900	3,080	3.92	4.37
May	3,150	398	1,690	1,890	2.41	2.78
June	490	160	265	440	.561	.63
July	631	165	303	520	.662	.76
August	324	57	143	260	.331	.38
September	148	28	78.2	138	.176	.20
The year	7,980	28	1,200	1,430	1.82	24.67
1914-15						
October	277	46	98.4	192	.245	.28
November	1,070	30	308	496	.632	.71
December	2,770	200	977	1,250	1.59	1.83
January	7,800	308	3,420	4,010	5.11	5 89
February	5,650	1,760	3,700	3,970	5.06	5.27
March	3,490	474	1,220	1,410	1.80	2.08
April	3,520	408	1,330	1,550	1.97	2.20
May	1,280	324	685	905	1.15	1.33
June	406	96	209	398	.507	.57
July	528	103	260	451	.575	.66
August	4,920	149	1,820	2,100	2,68	3.09
September	1,450	88	420	590	.752	.84
The year	7,800	30	1,190	1,430	1.82	24.75
1915-16						
October	759	270	453	635	.809	.93
November	1,610	122	502	740	.943	1.05
December	4,280	159	1,450	1,740	2.22	2.56
January	3,370	1,320	2,380	2,650	3.38	3.90
February	5,700	531	1,900	2,140	2.73	2.94
March	6,000	985	2,120	2,370	3.02	3.48
April	6,130	1,610	2,980	3,200	4.08	4.55
May	2,170	490	1,210	1,460	1.86	2.14
June	2,060	561	1,270	1,500	1.91	2.13
July	2,350	221	797	1,040	1.32	1.52
August	1,910	151	609	745	.949	1.09
September	499	81	175	291	.371	.41
The year	6,130	81	1,320	1,540	1.96	26.70
1916-17						
October	398	82	149	243	.310	.36
November	564	93	189	348	.443	.49
December	1,690	218	708	1,020	1.30	1.50
January	2,260	802	1,300	1,750	2.23	2.57
February	1,890	170	682	949	1.21	1.26
March	4,530	636	2,430	2,840	3.62	4.17
April	3,420	589	1,680	1,940	2.47	2.76
May	2,220	409	1,050	1,290	1.64	1.89
June	1,560	269	798	1,060	1.35	1.51
July	828	51	340	552	.703	.81
August	139	31	75.4	251	.320	.37
September	149	16	63.8	174	.222	.25
The year	4,530	16	791	1,040	1.32	17.94

Monthly discharge of Passaic River at Paterson, for the years ending September 30, 1898-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1917-18						
October	1,570	50	299	490	0.624	0.72
November	1,380	105	327	564	.718	.80
December	1,010	81	286	537	.684	.79
January	1,110	49	460	776	.989	1.14
February	6,490	187	2,220	2,750	3.50	3.64
March	5,830	655	2,470	2,720	3.46	3.99
April	3,300	531	1,620	1,940	2.47	2.76
May	1,880	530	1,000	1,250	1.59	1.83
June	1,020	150	488	738	.940	1.05
July	341	55	135	269	.343	.40
August	289	29	105	225	.287	.33
September	235	35	117	237	.302	.34
The year	6,490	29	784	1,030	1.31	17.79
1918-19						
October	119	39	57.1	169	.215	.25
November	478	39	148	296	.377	.42
December	1,690	57	695	1,070	1.36	1.57
January	2,130	413	993	1,450	1.85	2.13
February	2,420	234	955	1,280	1.63	1.70
March	4,290	1,310	2,820	3,240	4.13	4.76
April	3,050	1,020	1,800	2,100	2.68	2.99
May	2,630	992	1,750	2,040	2.60	3.00
June	888	51	332	560	.713	.80
July	8,630	49	1,920	2,220	2.83	3.26
August	2,400	714	1,410	1,640	2.09	2.41
September	2,850	269	1,080	1,290	1.64	1.83
The year	8,630	39	1,170	1,450	1.85	25.12
1919-20						
October	1,640	351	926	1,190	1.52	1.75
November	2,480	1,070	1,720	2,000	2.55	2.84
December	2,810	647	1,710	1,960	2.50	2.88
January	1,330	389	600	832	1.06	1.22
February	654	298	487	725	.924	1.00
March	11,600	418	6,090	6,500	8.28	9.55
April	4,660	2,280	3,180	3,420	4.36	4.86
May	2,360	665	1,470	1,710	2.18	2.51
June	1,670	311	788	1,070	1.36	1.52
July	2,620	571	1,210	1,480	1.89	2.18
August	1,930	660	1,290	1,550	1.97	2.27
September	2,050	173	613	844	1.08	1.20
The year	11,600	173	1,680	1,950	2.48	33.78
1920-21						
October	4,570	307	1,190	1,460	1.86	2.14
November	2,540	313	1,140	1,420	1.81	2.02
December	4,510	1,720	2,710	2,960	3.77	4.35
January	3,959	873	1,710	1,950	2.48	2.86
February	3,506	785	1,170	1,430	1.82	1.90
March	6,244	1,425	3,400	3,660	4.66	5.37
April	2,931	1,275	1,970	2,200	2.80	3.12
May	3,036	672	1,800	2,060	2.62	3.02
June	863	49	226	407	.518	.58
July	966	80	395	637	.811	.94
August	1,525	42	366	556	.708	.82
September	176	31	90	246	.313	.35
The year	6,244	31	1,520	1,590	2.03	27.47

Monthly discharge of Passaic River at Paterson, for the years ending September 30, 1898-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1921-22						
October	224	21	61	195	0.248	0.29
November	1,266	36	269	530	.675	.75
December	2,217	166	595	935	1.19	1.37
January	395	53	190	443	.564	.65
February	1,845	50	1,230	1,610	2.05	2.14
March	6,563	1,306	3,070	3,500	4.46	5.14
April	3,491	726	1,990	2,210	2.82	3.15
May	4,795	410	1,780	2,070	2.64	3.04
June	3,087	511	1,340	1,600	2.04	2.28
July	2,940	302	1,410	1,640	2.09	2.41
August	1,131	112	417	604	.769	.89
September	1,697	49	457	693	.883	.99
The year	6,563	21	1,060	1,330	1.69	23.10
1922-23						
October	380	38	152	304	0.387	0.45
November	304	39	128	272	.346	.39
December	749	82	235	425	.541	.62
January	4,062	407	1,500	2,000	2.55	2.94
February	1,106	266	626	904	1.15	1.20
March	7,675	526	3,270	3,680	4.69	5.41
April	3,187	336	1,330	1,610	2.05	2.29
May	2,506	293	1,070	1,340	1.71	1.97
June	1,555	55	425	677	.862	.96
July	144	23	66	204	.260	.30
August	101	9	30	126	.161	.18
September	229	17	69	204	.260	.29
The year	7,675	9	746	983	1.25	17.00
1923-24						
October	2,985	9	385	608	0.775	0.89
November	1,154	123	400	670	.854	.95
December	3,535	585	1,550	2,150	2.74	3.16
January	4,396	1,427	2,270	2,700	3.44	3.97
February	1,794	482	992	1,270	1.62	1.75
March	2,529	621	1,620	1,960	2.50	2.88
April	10,787	1,600	3,890	4,140	5.27	5.88
May	6,589	1,333	2,840	3,070	3.91	4.51
June	1,339	282	656	871	1.11	1.24
July	2,203	35	564	762	.971	1.12
August	334	30	117	249	.317	.37
September	1,316	55	241	366	.466	.52
The year	10,787	9	1,300	1,570	2.00	27.24
1924-25						
October	3,360	115	655	913	1.16	1.34
November	771	37	230	361	.460	.51
December	1,113	173	521	778	.991	1.14
January	307	110	224	415	.529	.61
February	6,036	288	3,160	3,800	4.84	5.04
March	5,620	1,592	2,810	3,220	4.10	4.73
April	2,334	495	1,140	1,390	1.77	1.98
May	1,583	228	743	1,030	1.31	1.51
June	707	103	292	492	.627	.70
July	854	119	336	571	.727	.84
August	1,694	42	614	844	1.08	1.24
September	506	41	179	339	.432	.48
The year	6,036	37	895	1,160	1.48	20.12

Monthly discharge of Passaic River at Paterson, for the years ending September 30, 1898-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1925-26						
October	1,082	36	374	583	0.743	0.86
November	3,410	396	1,470	1,920	2.45	2.73
December	3,949	355	1,830	2,170	2.76	3.18
January	1,943	181	735	1,010	1.29	1.49
February	5,519	459	1,560	1,910	2.43	2.53
March	4,939	1,480	2,890	3,210	4.09	4.72
April	2,762	692	1,610	1,860	2.37	2.64
May	687	124	388	619	.789	.91
June	371	54	176	380	.484	.54
July	533	28	172	346	.441	.51
August	1,912	28	623	949	1.21	1.40
September	2,449	134	925	1,190	1.52	1.70
The year	5,519	28	1,060	1,340	1.71	23.21
1926-27						
October	2,765	52	689	980	1.25	1.44
November	3,713	1,000	2,180	2,590	3.30	3.68
December	2,035	594	1,130	1,410	1.80	2.08
January	2,446	252	1,260	1,570	2.00	2.31
February	3,636	914	1,650	2,000	2.55	2.66
March	3,148	1,335	2,140	2,420	3.08	3.55
April	1,420	400	869	1,140	1.45	1.62
May	3,118	529	1,530	1,840	2.34	2.70
June	1,963	282	708	952	1.21	1.35
July	2,610	48	690	938	1.19	1.37
August	4,055	1,371	2,220	2,580	3.29	3.79
September	8,707	287	2,320	2,420	3.08	3.44
The year	8,707	48	1,450	1,730	2.20	29.99
1927-28						
October	5,965	129	2,090	2,490	3.17	3.66
November	5,735	1,326	2,970	3,270	4.17	4.65
December	5,129	1,162	2,850	3,130	3.99	4.60
January	1,985	730	1,100	1,430	1.82	2.10
February	4,211	895	2,540	2,840	3.62	3.90
March	2,527	992	1,660	1,980	2.52	2.90
April	4,396	751	1,870	2,430	3.10	3.46
May	4,070	557	1,310	1,680	2.14	2.47
June	1,856	386	1,320	1,820	2.32	2.59
July	3,225	1,245	1,970	2,460	3.13	3.61
August	4,370	441	1,630	2,150	2.74	3.16
September	3,079	454	1,350	1,690	2.15	2.40
The year	5,965	129	1,890	2,280	2.90	39.50

NOTE.—"Observed" flow is total flow at Paterson. No correction made for evaporation.

Rockaway River at Boonton.

LOCATION.—At dam of the Jersey City Waterworks at Boonton, Morris County.
DRAINAGE AREA.—119 square miles.
RECORDS AVAILABLE.—January 1, 1906, to September 30, 1928.
EQUIPMENT.—Water-stage recorder on left bank about one-quarter mile downstream from dam. Elevation of water surface in reservoir determined by graduated rod and reference point on dam.
CHANNEL AND CONTROL.—Channel, coarse gravel and rock outcrop; right bank overflowed at high stages. Control, bar of coarse gravel. To October, 1911, the control was the crest of spillway dam; discharge through gates in dam was computed separately.
DIVERSION AND REGULATION.—Water is diverted from reservoir to Jersey City, and is measured by Venturi meter. Flow is regulated by storage in reservoir. Part of the table of monthly discharge is corrected for diversions and storage.
CO-OPERATION.—Base data, 1906-1911, furnished by Mr. John H. Cook, East Jersey Water Company; later data furnished by Department of Streets and Public Improvements, Jersey City.

Daily discharge, in second-feet, of Rockaway River at Boonton, for the years ending September 30, 1926-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	0.5	0.3	135	0.3	80	413	263	46	0.5	0.5	0.3	0.5
2	.5	.3	178	.3	94	413	249	43	.5	.5	.3	2.2
3	.5	.3	237	.3	63	413	224	43	.5	.5	.3	1.5
4	.5	.3	442	.3	59	328	224	29	.5	.5	.3	4.0
5	.6	.3	532	4.2	11	275	237	20	.5	.5	.3	90
6	.5	.5	563	15.0	32	224	201	17	.3	.5	.3	342
7	.5	.5	594	19.0	51	302	178	11	.5	.5	.3	563
8	.6	.5	472	8.0	45	594	224	10	.3	.5	.3	442
9	.8	.5	413	5.0	32	532	342	8.0	.3	.5	.3	316
10	.8	.5	356	.9	29	413	328	.9	.3	.5	.3	237
11	.8	.5	275	.2	25	328	263	.6	.3	.5	.3	189
12	.8	.8	237	.2	14	288	224	.5	.5	.5	.5	156
13	.8	8.0	213	.2	23	237	201	.5	.5	.3	.5	104
14	1.2	5.0	189	.2	40	213	178	.6	.5	.3	1.1	201
15	1.1	119	156	.2	77	189	156	.5	.6	.3	1.1	128
16	.8	442	133	.2	156	145	145	.5	.5	.3	3.2	1.5
17	.9	501	119	.3	121	124	119	.5	.5	.3	2.3	1.1
18	1.1	413	104	.5	108	116	97	.5	.5	.5	.8	.8
19	1.1	342	87	237	189	124	88	.5	.5	.5	1.2	.8
20	1.1	316	85	316	263	145	80	.5	.5	.5	1.5	.6
21	1.2	288	111	189	275	213	87	.5	.5	.3	1.5	.6
22	1.2	224	145	224	201	249	67	.5	.5	.3	1.1	3.6
23	1.2	167	145	145	156	263	46	.5	.5	.3	1.1	1.5
24	1.5	133	108	128	114	275	114	.5	.5	.6	1.1	1.2
25	6.0	119	80	84	156	275	135	.5	.5	1.1	.9	.5
26	.3	102	63	59	594	275	8.0	.5	.5	.5	.9	.5
27	1.9	135	68	43	627	288	25	.5	.5	.5	.8	.5
28	.3	224	17	40	413	288	50	.5	.5	.3	.8	.5
29	.3	213	8.0	10	.....	263	63	.5	.5	.3	.8	.5
30	.3	156	0.5	0.8	.....	213	65	.5	.5	.3	.6	.5
31	.3	.....	.3	13	.....	213	.....	.5	.....	.3	.6	.....

Daily discharge, in second-feet, of Rockaway River at Boonton, for the years ending September 30, 1926-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	4.8	224	262	155	177	316	118	80	144	2.8	73	564
2	9.2	224	249	96	144	262	116	76	108	1.4	177	692
3	.9	155	177	92	144	200	122	57	80	2.2	212	659
4	.7	130	166	83	166	177	120	50	73	1.2	166	533
5	2.5	116	92	92	144	166	100	49	116	0.7	114	442
6	3.6	73	42	89	116	155	116	53	144	1.1	66	329
7	1.0	74	63	57	104	155	124	44	116	1.2	36	249
8	.9	78	112	21	90	212	102	40	73	0.6	37	188
9	.8	137	126	36	89	275	74	50	54	.4	83	155
10	.9	316	118	30	89	275	53	76	50	.4	63	120
11	.8	343	104	23	92	249	49	130	52	.4	35	98
12	.8	262	89	24	83	224	50	144	76	.4	21	76
13	.8	224	94	0.6	71	224	32	112	47	.4	7.5	66
14	.8	188	141	8.6	80	249	31	78	46	.4	79	53
15	.8	166	144	41	76	275	29	134	63	.4	275	44
16	1.0	243	112	12	106	275	25	177	55	.4	262	30
17	2.5	653	218	0.6	102	275	25	134	36	.7	134	29
18	2.5	659	103	7.6	155	262	27	161	24	.5	104	26
19	2.3	627	38	44	249	236	30	155	33	.4	155	44
20	3.2	595	38	87	200	249	30	83	138	.4	134	70
21	49	533	147	177	166	288	22	1.9	166	.4	89	50
22	128	442	122	288	188	329	98	0.4	100	.4	53	34
23	80	357	59	371	166	302	177	0.4	65	5.0	45	26
24	59	302	40	302	188	249	120	1.9	41	315	53	11
25	270	249	36	224	249	200	89	204	29	358	39	7.9
26	442	224	90	166	413	166	74	502	33	150	29	5.0
27	343	302	89	81	502	155	87	413	46	62	148	2.8
28	262	302	132	83	385	166	155	343	38	31	408	2.5
29	200	249	249	122	.....	155	155	262	19	17	692	3.4
30	155	249	262	177	.....	132	108	212	5.2	2.5	725	3.1
31	144	.....	200	200	.....	130	.....	188	.....	8.4	595	.....
1927-28												
1	1.0	144	249	249	94	262	343	472	52	343	177	385
2	.9	208	249	249	80	249	275	413	52	275	166	329
3	1.4	343	357	166	68	212	224	343	30	200	144	357
4	26	770	371	122	65	166	188	288	35	144	110	343
5	188	793	371	81	110	155	70	249	92	166	134	275
6	144	692	357	76	144	144	42	224	262	666	212	236
7	83	564	357	78	116	120	40	200	262	828	262	249
8	44	472	598	85	224	110	62	177	177	564	212	224
9	44	413	864	108	442	116	120	155	128	413	155	177
10	74	385	659	128	357	128	180	144	200	302	116	144
11	58	357	595	116	262	118	329	128	212	249	130	110
12	38	329	564	112	200	134	329	104	166	224	116	90
13	144	316	564	108	155	200	184	90	122	262	85	80
14	316	316	595	102	155	302	5	83	144	371	59	80
15	224	329	564	89	472	343	12	78	302	442	40	81
16	144	343	533	83	595	275	96	70	236	385	29	76
17	126	316	502	83	472	224	144	65	130	329	62	70
18	355	644	472	70	442	212	130	96	78	249	472	57
19	768	980	357	81	343	224	155	212	78	166	442	76
20	980	900	329	212	329	200	63	236	188	134	288	188
21	793	725	316	155	249	177	80	212	224	120	177	212
22	659	595	262	85	188	177	155	155	236	110	188	144
23	564	502	236	80	329	177	329	126	262	262	413	100
24	442	442	200	80	725	155	564	92	249	329	442	74
25	357	413	114	224	595	144	564	71	236	212	442	62
26	302	357	166	288	413	144	413	60	224	130	725	47
27	249	329	144	224	371	155	357	65	188	96	1,060	47
28	212	316	134	166	302	134	502	90	155	385	1,020	32
29	200	316	155	87	275	106	659	90	155	595	793	29
30	188	302	212	87	.....	236	564	62	262	385	627	30
31	166	.....	236	106	.....	413	.....	53	.....	249	502	.....

NOTE.—These tables indicate flow over dam, through waste gates, and leakage.

Monthly discharge of Rockaway River at Boonton, for the years ending September 30, 1906-1928.

[Drainage area, 119 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1906					
January	594	169	286	2.40	2.77
February	589	82	201	1.69	1.76
March	1,390	156	421	3.54	4.08
April	1,280	252	555	4.66	5.20
May	888	80	240	2.02	2.33
June	653	93	218	1.83	2.04
July	633	56	189	1.59	1.83
August	688	77	251	2.11	2.43
September	108	39	67.4	.566	.63
1906-7					
October	320	11	101	.849	.98
November	320	85	126	1.06	1.18
December	374	57	159	1.34	1.54
January	1,250	210	421	3.54	4.08
February	258	101	152	1.28	1.33
March	1,060	107	498	4.18	4.82
April	452	196	292	2.45	2.73
May	490	150	260	2.18	2.51
June	435	67	166	1.39	1.55
July	206	14	69.2	.582	.67
August	139	8	34.7	.292	.34
September	1,080	17	261	2.19	2.44
The year	1,250	8	212	1.78	24.17
1907-8					
October	1,300	125	459	3.86	4.45
November	1,760	432	743	6.24	6.96
December	1,360	255	585	4.92	5.67
January	1,430	187	521	4.38	5.05
February	2,060	161	599	5.03	5.42
March	933	334	548	4.61	5.32
April	478	142	257	2.16	2.41
May	1,580	212	541	4.55	5.25
June	838	91	263	2.21	2.47
July	665	39	141	1.18	1.36
August	325	26	98.2	.825	.95
September	136	9	40.2	.338	.38
The year	2,060	9	399	3.35	45.69
1908-9					
October	226	8	63.7	0.535	0.62
November	91	43	71.0	.597	.67
December	142	31	80.6	.677	.78
January	812	39	190	1.60	1.84
February	1,540	96	546	4.59	4.78
March	1,040	153	399	3.35	3.86
April	1,390	136	524	4.40	4.91
May	1,290	152	393	3.30	3.80
June	503	80	162	1.36	1.52
July	110	15	50.0	.420	.48
August	490	3	75.6	.635	.73
September	74	14	41.3	.347	.39
The year	1,540	3	214	1.80	24.38
1909-10					
October	60	3	34.5	.290	.33
November	114	31	62.3	.524	.58
December	1,010	37	140	1.18	1.36
January	1,230	51	265	2.23	2.57
February	1,120	119	319	2.68	2.79
March	1,470	183	534	4.49	5.18
April	1,620	29	456	3.83	4.27
May	721	142	323	2.71	3.12
June	422	88	210	1.76	1.96
July	90	15	50.4	.424	.49
August	145	14	49.8	.418	.48
September	76	11	36.2	.304	.34
The year	1,620	3	206	1.73	23.47

Monthly discharge of Rockaway River at Boonton, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1910-11					
October	80	.....	29.7	.250	.29
November	385	23	93.9	.789	.88
December	246	26	73.6	.618	.71
January	429	91	178	1.50	1.73
February	359	93	137	1.15	1.20
March	580	94	220	1.85	2.13
April	659	190	373	3.13	3.49
May	260	43	111	.933	1.08
June	871	63	260	2.18	2.43
July	164	39	76.0	.639	.74
August	367	6	56.8	.477	.55
September	384	19	85.7	.720	.80
The year	871	.....	141	1.18	16.03

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1911-12						
October	614	0	172	274	2.30	2.65
June	0	0	0	55.1	.463	.52
July	0	0	0	39.7	.334	.39
August	0	0	0	92.0	.773	.89
September	0	0	0	83.6	.703	.78
1912-13						
October	1.5	0	0.100	88.6	0.745	0.86
January	1,560	1.5	417	467	3.92	4.52
February	302	73	146	217	1.82	1.90
March	1,130	119	477	554	4.66	5.37
April	1,060	220	443	506	4.25	4.74
May	511	73	187	251	2.11	2.43
June	0	0	0	57.2	.481	.54
July	0	0	0	37.8	.318	.37
August	0	0	0	29.0	.244	.28
September	0	0	0	34.7	.292	.33
1913-14						
October	94	0	3.04	198	1.66	1.91
November	430	46	148	218	1.83	2.04
December	490	42	140	212	1.78	2.05
January	619	84	199	276	2.32	2.68
February	608	84	222	294	2.47	2.57
March	1,200	90	319	406	3.41	3.93
April	698	159	389	455	3.82	4.26
May	565	46	230	297	2.50	2.88
June	0	0	0	67.0	.563	.63
July	0	0	0	101	.849	.98
August	0	0	0	49.2	.413	.48
September	0	0	0	20.7	.174	.19
The year	1,200	0	137	216	1.82	24.60

Monthly discharge of Rockaway River at Boonton, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1914-15						
October	0	0	0	28.0	0.235	0.27
November	20	0	0.665	73.7	.619	.69
December	375	0	136	214	1.80	2.08
January	1,480	0	393	566	4.76	5.49
February	1,480	227	541	625	5.25	5.47
March	490	84	197	263	2.21	2.55
April	698	67	215	288	2.42	2.70
May	227	0	59.4	145	1.22	1.41
June	0	0	0	77.7	.653	.73
July	0	0	0	70.7	.594	.68
August	871	0	180	268	2.25	2.59
September	399	0	51.3	107	.899	1.00
The year	1,480	0	145	225	1.89	25.66
1915-16						
October	238	0	60.1	126	1.06	1.22
November	475	0	60.7	148	1.24	1.38
December	814	0	196	270	2.27	2.62
January	812	203	507	588	4.94	5.70
February	1,060	0	328	415	3.49	3.76
March	781	131	271	358	3.01	3.47
April	808	320	486	563	4.73	5.28
May	325	0	100	196	1.65	1.90
June	285	15	109	187	1.57	1.75
July	433	0	46.4	128	1.08	1.24
August	43	0	1.60	46.6	.392	.45
September	0	0	0	44.6	.375	.42
The year	1,060	0	180	255	2.14	29.19
1916-17						
October	0	0	0	23.6	0.198	0.23
November	0	0	0	49.6	.417	.47
December	0	0	0	126	1.06	1.22
January	268	0	84.4	260	2.18	2.51
February	220	1.5	80.7	165	1.39	1.45
March	698	90	302	387	3.25	3.75
April	664	84	239	312	2.62	2.92
May	365	0	115	199	1.67	1.92
June	159	0	37.4	140	1.18	1.32
July	113	0	25.0	103	.866	1.00
August	0	0	0	43.0	.361	.42
September	0	0	0	33.5	.282	.31
The year	698	0	73.6	154	1.29	17.52
1917-18						
October	0	0	0	53.4	0.449	0.52
November	0	0	0	89.2	.750	.84
December	0	0	0	87	.731	.84
January	0	0	0	110	.924	1.07
February	1,070	0	234	391	3.28	3.42
March	698	0	335	388	3.26	3.76
April	500	0	197	304	2.55	2.84
May	302	0	141	227	1.91	2.20
June	54	0	12.1	111	.933	1.04
July	0	0	0	48.8	.410	.47
August	0	0	0	39.8	.334	.39
September	0	0	0	33.9	.285	.32
The year	1,070	0	75.6	155	1.30	17.71

Monthly discharge of Rockaway River at Boonton, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1918-19						
October	3.2	0.3	11.2	26.4	0.222	0.26
November	127	.3	55.2	41.4	.348	.39
December	.5	.3	.335	146	1.23	1.42
January	1.0	0	.219	209	1.76	2.03
February	397	0	92.4	195	1.64	1.71
March	932	189	418	500	4.20	4.84
April	515	138	250	325	2.73	3.05
May	455	94	263	344	2.89	3.33
June	90	.6	9.30	116	.975	1.09
July	2,670	.5	310	395	3.32	3.83
August	426	89	203	282	2.37	2.73
September	515	4	150	213	1.79	2.00
The year	2,670	0	142	234	1.97	26.68
1919-20						
October	575	4	90.2	189	1.59	1.83
November	397	26	260	330	2.77	3.09
December	426	101	227	308	2.59	2.99
January	235	4.5	80.7	162	1.36	1.57
February	106	11	64.1	146	1.23	1.33
March	2,120	35	911	1,000	8.40	9.68
April	705	273	448	538	4.52	5.04
May	368	67	189	265	2.23	2.57
June	211	1.5	79.6	186	1.56	1.74
July	871	13	179	264	2.22	2.56
August	397	38	137	217	1.82	2.10
September	455	.5	67.9	109	.916	1.02
The year	2,120	.5	229	311	2.61	35.52
1920-21						
October	368	7	83.6	182	1.53	1.76
November	605	1.1	147	229	1.92	2.14
December	932	211	407	490	4.12	4.75
January	993	101	234	307	2.58	2.97
February	368	89	141	226	1.90	1.98
March	705	189	463	545	4.58	5.28
April	515	200	295	365	3.07	3.42
May	485	5	189	301	2.53	2.92
June	55	.5	10.3	79.8	.671	.75
July	38	.6	8.80	96.1	.808	.93
August	235	.5	26.4	98.3	.826	.95
September	2.0	.5	1.12	58.1	.488	.54
The year	993	.5	168	249	2.09	28.39
1921-22						
October	39	0	10.7	47.9	0.403	0.46
November	6	0	1.09	88.4	.743	.83
December	77	0	13.4	143	1.20	1.38
January	29	.5	5.78	80.8	.679	.78
February	365	0	155	243	2.04	2.12
March	1,870	178	440	519	4.36	5.03
April	545	138	278	346	2.91	3.25
May	775	.4	163	278	2.34	2.70
June	815	41	215	307	2.58	2.88
July	515	14	139	227	1.91	2.20
August	51	.5	6.32	65.8	.553	.64
September	148	.5	19.6	114	.958	1.07
The year	1,870	0	120	205	1.72	23.34

Monthly discharge of Rockaway River at Boonton, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1922-23						
October	4.2	0.5	0.838	52.9	0.445	0.51
November	25	.3	1.91	48.4	.407	.45
December	1.1	.3	.464	66.1	.555	.64
January	178	.5	33.6	230	1.93	2.22
February	101	.5	43.6	132	1.11	1.16
March	995	31	430	523	4.39	5.06
April	545	29	159	257	2.16	2.41
May	340	.6	105	190	1.60	1.84
June	354	.5	31.2	136	1.14	1.27
July	.6	.3	.459	39.2	.329	.38
August	.6	.3	.349	16.3	.137	.16
September	1.1	.3	.366	40.0	.336	.37
The year	995	.3	67.6	145	1.22	16.56
1923-24						
October	2.9	0.3	0.439	77.0	0.647	0.75
November	.6	.3	.330	78.0	.655	.73
December	1.2	.3	.429	255	2.14	2.47
January	838	.5	274	398	3.34	3.85
February	286	39	101	196	1.65	1.78
March	286	39	144	241	2.03	2.34
April	1,950	189	525	611	5.13	5.72
May	1,060	128	389	475	3.99	4.60
June	138	.6	37.6	134	1.13	1.26
July	442	.5	29.9	120	1.01	1.16
August	.5	.....	.464	45.6	.383	.44
September	.....	.....	.309	41.4	.348	.39
The year	1,950	.....	148	223	1.87	25.49
1924-25						
October	.....	.....	0.464	132	1.11	1.28
November	0.6	0.3	.454	54.6	4.59	.51
December	.6	.3	.454	107	.899	1.04
January	.....	.....	.464	72.8	.612	.71
February	684	.5	243	486	4.08	4.25
March	620	167	300	397	3.34	3.85
April	248	34	104	191	1.61	1.80
May	149	.5	29.7	147	1.24	1.43
June	40	.3	3.44	73.8	.620	.69
July	.....	.....	.324	97.8	.822	.95
August	.....	.....	.309	114	.958	1.10
September	.....	.....	.309	62.9	.529	.59
The year	684	.....	55.8	159	1.34	18.20
1925-26						
October	6.0	0.3	0.968	95.4	0.802	0.92
November	501	.3	130	288	2.42	2.70
December	594	.3	202	305	2.56	2.95
January	316	.2	49.8	158	1.33	1.53
February	627	11	145	266	2.24	2.33
March	594	116	278	379	3.18	3.67
April	342	8.0	156	250	2.10	2.34
May	46	.5	7.70	108	.908	1.05
June	.6	.3	.470	75.0	.630	.70
July	1.1	.3	.445	89.4	.751	.87
August	3.2	.3	.829	146	1.23	1.42
September	563	.5	93.0	200	1.68	1.87
The year	627	.2	88.2	196	1.65	22.35

Monthly discharge of Rockaway River at Boonton, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1926-27						
October	442	0.7	70.1	177	1.49	1.72
November	659	73	290	388	3.26	3.64
December	262	36	126	218	1.83	2.11
January	371	.6	103	210	1.76	2.03
February	502	71	169	277	2.33	2.43
March	329	130	225	319	2.68	3.09
April	177	22	81.9	176	1.48	1.65
May	502	.4	129	249	2.09	2.41
June	166	5.2	69.0	165	1.39	1.55
July	358	.4	31.2	127	1.07	1.23
August	725	7.5	165	268	2.25	2.59
September	692	3.1	154	242	2.03	2.26
The year	725	.4	134	234	1.97	26.71
1927-28						
October	980	0.9	255	360	3.03	3.49
November	980	144	464	538	4.52	5.04
December	864	114	377	474	3.98	4.59
January	288	70	128	229	1.92	2.21
February	725	65	296	398	3.34	3.60
March	413	106	191	286	2.40	2.77
April	659	5	239	358	3.01	3.36
May	472	53	158	243	2.04	2.35
June	302	30	171	265	2.23	2.49
July	828	96	309	408	3.43	3.95
August	1,060	29	316	425	3.57	4.12
September	385	29	147	243	2.04	2.28
The year	1,060	0.9	254	352	2.96	40.25

NOTE.—Tables for years ending 1906-1911 indicate flow over spillway, plus diversions, plus or minus correction for storage; in the later tables the first three columns indicate flow in river below dam only. No correction made for evaporation.

Whippany River at Morristown.

LOCATION.—At Morristown sewage disposal plant, three-fourths mile below center of Morristown, Morris County, and 8 miles above mouth of river.

DRAINAGE AREA.—29 square miles.

RECORDS AVAILABLE.—August 26, 1921, to September 30, 1928.

EQUIPMENT.—Vertical staff gage on left bank 150 feet above chlorination house of sewage disposal plant.

CHANNEL AND CONTROL.—Channel, sand and fine gravel; control is riffle about 50 feet below gage. Right bank is overflowed at very high stages.

EXTREME OF DISCHARGE.—1921-1928; Maximum stage determined from hydrograph, 7.30 feet at 10:00 P. M. August 26, 1928 (discharge, about 1,100 second-feet); minimum stage recorded, 0.80 foot at 5:30 P. M. October 5 and 7, 1921 (discharge, 6.3 second-feet).

CO-OPERATION.—Gage read by an employe of the Commissioner of Department of Public Works of Morristown.

Daily Discharge, in second-feet, of Whippany River at Morristown, for the years ending September 30, 1921-1928.

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1921								
1		11	11		10	27		26
2		10	12		18	22		22
3		10	13		11	23		18
4		13	14		10	24		14
5		11	15		10	25		12
6		10	16		10	26	11	12
7		16	17		10	27	10	12
8		11	18		11	28	8	11
9		10	19		10	29	11	12
10		10	20		10	30	10	10
						31	10	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	10	15	26	14	12	35	230	38	31	275	43	110
2	11	21	20	16	245	38	92	37	37	245	50	36
3	14	15	81	17	136	36	70	37	110	92	43	26
4	10	14	33	15	49	41	76	60	116	290	41	215
5	7	13	27	22	31	116	70	245	136	185	37	163
6	10	12	22	26	44	76	60	65	163	122	32	57
7	8	12	22	18	48	116	70	65	76	92	29	56
8	10	12	17	14	28	275	70	52	48	81	29	48
9	8	12	15	16	21	86	65	46	47	92	27	40
10	8	17	13	14	20	76	57	48	48	76	24	38
11	11	13	16	17	22	110	55	45	81	65	23	34
12	11	14	16	14	26	110	70	41	60	59	25	35
13	10	13	16	17	39	86	54	38	48	57	25	33
14	10	14	15	17	31	76	51	38	44	70	23	31
15	10	17	13	13	23	70	156	39	43	52	22	29
16	11	14	11	13	23	60	76	39	45	48	22	27
17	11	34	12	12	20	56	76	37	65	45	22	25
18	11	20	39	12	20	47	81	129	70	45	20	25
19	12	16	29	14	21	49	70	170	52	70	21	24
20	18	39	21	34	104	200	65	76	44	49	29	23
21	14	28	18	34	86	104	55	59	65	42	19	24
22	12	21	14	31	60	70	52	52	52	45	18	23
23	11	16	14	24	60	60	50	46	45	45	17	22
24	11	16	25	16	81	58	49	43	39	142	17	22
25	11	14	38	13	43	57	46	41	41	110	22	19
26	11	16	22	12	33	55	46	39	36	53	48	18
27	11	17	21	11	65	55	45	36	43	48	28	18
28	11	45	18	11	55	76	42	36	52	51	29	18
29	12	122	16	12		59	40	34	36	46	25	18
30	12	39	16	12		54	39	33	31	37	21	18
31	12		13	12		76		32		33	50	

Daily Discharge, in second-feet, of Whippany River at Morristown, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	17	16	16	309	32	39	50	60	23	14	14	8
2	17	16	16	116	33	48	57	53	23	13	13	8
3	17	31	14	49	41	81	58	50	31	16	12	8
4	17	23	14	41	40	163	70	51	38	32	36	8
5	17	19	33	34	33	163	129	46	27	33	32	8
6	17	18	23	33	29	70	156	46	23	20	16	7
7	22	20	17	29	29	76	76	43	116	18	14	8
8	30	19	20	31	20	57	70	41	178	16	12	27
9	30	17	25	29	22	49	65	50	50	14	12	25
10	39	16	22	29	21	52	58	45	34	14	10	16
11	28	16	16	23	20	57	56	41	29	14	10	9
12	21	16	19	26	26	178	52	44	27	14	10	9
13	18	17	18	23	35	142	52	52	25	12	10	9
14	18	17	16	23	42	149	49	40	25	12	10	8
15	18	18	19	29	38	98	48	38	28	18	8	7
16	18	21	18	30	33	309	49	40	25	22	8	7
17	18	17	24	34	26	411	47	48	22	15	8	7
18	17	16	25	20	25	178	46	36	22	14	8	7
19	16	16	22	23	25	178	45	35	21	12	10	7
20	16	18	16	22	25	122	44	33	17	12	11	7
21	16	17	17	57	24	116	43	59	17	11	8	45
22	16	16	19	142	24	116	42	43	16	11	10	20
23	17	16	18	60	23	116	39	35	16	19	8	15
24	22	16	18	42	25	142	38	31	18	12	7	22
25	18	14	18	54	25	98	38	31	16	16	7	14
26	17	14	20	39	25	92	36	27	14	13	7	11
27	16	14	25	37	33	81	35	22	23	11	7	11
28	16	16	86	33	39	76	35	25	16	13	10	11
29	16	16	50	32	.....	58	326	23	17	15	26	11
30	16	16	34	29	.....	65	86	22	14	14	13	8
31	16	.....	23	31	.....	65	.....	22	.....	15	10	.....
1923-24												
1	10	19	76	53	46	45	47	129	54	26	12	12
2	10	17	35	37	42	41	54	81	52	25	12	18
3	10	14	26	163	43	43	51	70	50	23	11	21
4	10	14	21	92	43	50	76	70	51	22	12	16
5	8	13	50	57	70	86	92	60	49	20	12	16
6	8	13	156	38	122	163	92	59	46	20	19	14
7	8	18	59	34	81	92	640	60	49	20	15	12
8	8	17	38	32	50	60	215	92	49	86	12	12
9	8	14	32	34	49	59	156	309	49	149	12	52
10	8	13	31	38	46	65	142	156	42	42	12	54
11	8	13	30	92	44	98	122	129	39	29	12	25
12	8	13	26	92	40	116	104	429	48	26	65	19
13	10	12	25	53	34	70	92	230	45	30	29	14
14	10	13	31	47	34	60	86	178	48	27	18	14
15	10	12	25	33	30	55	81	185	40	24	14	14
16	10	12	25	38	30	41	76	142	37	24	12	12
17	10	13	25	309	30	51	70	129	33	22	12	12
18	10	12	23	86	33	44	98	110	33	19	14	12
19	14	12	21	76	32	46	309	136	36	17	12	12
20	22	12	20	70	42	45	136	104	33	16	12	12
21	12	12	24	57	86	46	136	118	33	16	16	12
22	12	12	26	46	48	44	116	104	33	16	12	17
23	20	17	116	42	39	43	110	81	33	22	12	60
24	185	50	70	48	34	43	86	92	29	17	12	22
25	46	27	41	136	33	43	81	92	35	15	12	15
26	28	20	35	104	34	49	76	70	51	14	48	14
27	18	18	31	46	36	55	70	70	35	14	18	12
28	16	16	41	44	39	76	70	92	32	14	13	12
29	15	16	50	46	43	57	65	76	33	13	12	29
30	14	70	35	49	.....	60	70	70	27	11	12	230
31	28	.....	39	50	.....	50	.....	58	.....	13	12	.....

Daily Discharge, in second-feet, of Whippany River at Morristown, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	230	16	17	16	21	110	65	46	25	26	360	12
2	70	16	18	18	22	200	60	39	23	22	70	12
3	44	16	19	18	22	98	58	34	23	18	45	12
4	32	18	17	20	22	86	56	33	22	17	34	12
5	26	17	17	18	22	81	52	33	18	23	35	12
6	24	17	110	18	23	104	50	29	17	17	34	13
7	23	17	45	17	29	92	48	31	17	17	31	65
8	23	17	33	18	33	92	48	29	17	20	27	24
9	19	16	70	18	40	86	45	29	17	22	31	16
10	18	16	34	17	86	76	45	29	22	18	70	14
11	17	16	26	17	178	76	70	76	18	18	33	15
12	16	16	25	18	360	81	52	81	17	17	25	13
13	16	16	29	18	170	65	45	45	16	14	30	14
14	16	16	25	18	122	70	43	38	16	12	33	20
15	16	16	22	18	136	60	98	34	16	13	27	16
16	16	16	20	17	170	56	70	29	57	21	23	81
17	17	16	22	36	129	65	50	39	23	142	22	57
18	17	16	25	33	110	92	48	32	18	30	17	25
19	17	14	22	23	81	292	45	29	17	20	18	18
20	17	14	19	18	92	116	48	27	17	18	17	13
21	16	15	16	25	104	86	42	25	17	18	22	16
22	16	33	14	22	129	81	41	25	17	30	22	14
23	17	55	13	20	149	70	39	23	17	29	20	12
24	17	29	33	18	149	70	39	49	16	18	17	12
25	17	22	39	19	129	65	38	110	38	18	16	12
26	17	17	25	21	260	60	39	45	21	45	16	12
27	16	17	17	24	110	60	38	33	17	30	14	11
28	16	17	16	22	86	149	34	29	17	23	12	12
29	16	17	12	22	.....	81	34	30	70	35	12	12
30	16	17	12	22	.....	86	39	35	81	19	13	12
31	16	.....	16	21	.....	70	.....	29	.....	70	12	.....
1925-26												
1	11	25	52	30	92	92	81	40	22	12	22	16
2	11	25	65	30	42	163	52	40	28	11	25	55
3	39	25	129	32	36	86	53	37	35	12	20	65
4	20	22	343	35	33	70	81	35	22	12	18	28
5	47	21	156	42	38	49	57	33	20	11	16	42
6	22	35	185	41	36	58	48	31	20	27	14	129
7	17	29	116	36	36	230	52	31	21	16	14	230
8	14	29	98	31	33	230	104	30	33	12	14	60
9	16	37	92	30	29	81	122	27	22	12	14	47
10	22	26	81	30	33	65	65	28	18	18	12	60
11	14	24	76	26	33	58	59	28	17	19	12	39
12	14	24	76	24	33	52	54	25	20	12	47	33
13	13	411	70	24	33	49	50	25	22	11	98	31
14	13	92	65	24	38	45	50	59	21	12	39	29
15	60	54	58	25	92	45	47	39	60	12	76	27
16	25	170	56	25	104	47	47	35	28	17	40	26
17	23	76	55	23	51	47	47	46	22	13	122	25
18	20	53	48	76	44	50	43	30	18	12	49	25
19	18	49	45	230	261	51	41	28	18	41	39	24
20	17	45	47	58	129	56	41	37	16	16	28	24
21	16	44	65	48	65	65	40	28	14	14	23	22
22	16	40	76	104	52	59	40	25	14	12	26	20
23	18	46	54	48	50	70	40	26	20	8	36	22
24	17	37	47	39	43	70	40	24	23	28	28	25
25	170	33	45	31	163	60	65	22	17	293	32	23
26	98	35	38	29	360	65	43	21	15	53	30	27
27	43	92	36	33	149	65	40	20	18	28	25	22
28	31	81	34	31	86	57	40	20	16	22	22	22
29	27	47	33	28	.....	50	41	19	14	22	20	37
30	25	40	31	25	.....	48	40	18	12	40	19	28
31	25	.....	30	32	.....	57	.....	23	.....	25	16	.....

Daily Discharge, in second-feet, of Whippany River at Morristown, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	24	65	70	55	56	60	45	30	50	25	81	86
2	22	41	54	48	54	65	53	29	44	23	92	136
3	21	35	51	47	57	54	47	31	41	22	37	76
4	22	31	48	51	65	47	44	31	42	22	31	65
5	20	31	40	57	50	52	42	38	60	18	30	51
6	35	30	40	50	49	55	49	34	47	86	28	49
7	25	28	45	40	47	58	43	30	40	142	22	46
8	20	28	48	36	49	92	39	30	37	32	29	43
9	18	41	47	31	45	76	37	36	33	30	86	41
10	20	185	47	28	44	60	33	40	31	30	35	42
11	25	60	45	24	47	60	34	70	34	25	30	41
12	20	44	43	28	44	57	32	60	30	22	28	39
13	19	40	44	30	40	58	32	33	28	22	25	37
14	22	40	53	48	42	45	30	32	50	18	122	35
15	20	40	50	43	54	60	29	92	49	18	200	34
16	18	116	40	35	65	54	29	51	32	20	53	32
17	40	215	36	43	56	51	33	37	30	33	39	30
18	33	81	30	40	104	56	30	34	28	25	51	30
19	30	163	31	40	76	55	29	56	60	24	48	46
20	43	81	34	81	55	59	28	65	70	22	37	39
21	76	65	37	200	54	110	27	40	39	18	32	32
22	36	60	38	142	49	76	98	35	32	22	28	30
23	29	57	33	104	50	60	54	34	30	136	32	28
24	27	55	32	70	86	55	40	149	37	200	29	27
25	261	50	38	59	104	49	35	215	25	65	25	27
26	70	52	104	57	230	47	31	116	35	37	28	25
27	44	122	56	39	110	54	35	92	30	33	163	25
28	35	59	116	38	81	50	70	70	28	30	116	25
29	33	52	178	92	.....	46	40	65	25	25	245	24
30	31	98	81	76	.....	45	33	53	29	25	92	24
31	46	.....	60	70	.....	50	.....	53	.....	37	65	.....
1927-28												
1	22	42	60	76	42	86	92	110	35	70	56	122
2	22	43	65	65	44	76	65	98	33	46	60	110
3	23	245	110	60	46	70	60	86	30	40	56	178
4	129	230	65	55	48	65	60	81	30	40	52	122
5	55	104	86	50	86	65	57	76	65	50	50	86
6	35	81	86	45	53	49	54	81	136	580	142	98
7	30	70	81	45	43	35	51	70	55	185	81	122
8	28	65	360	42	309	55	58	65	46	110	60	76
9	41	65	170	55	129	55	50	70	36	92	54	65
10	46	65	110	51	76	57	47	65	35	86	53	55
11	37	60	110	48	60	60	47	57	33	92	70	65
12	33	57	136	47	47	76	104	59	32	81	52	60
13	122	54	149	45	35	110	60	54	28	149	41	60
14	59	52	156	45	70	129	56	51	35	142	41	110
15	39	50	110	43	326	86	58	48	185	129	40	60
16	32	48	110	39	104	65	51	47	65	116	40	58
17	34	70	129	46	81	65	47	46	48	142	136	56
18	261	215	86	45	86	70	45	53	36	86	230	60
19	326	104	76	76	81	76	46	76	35	70	122	70
20	178	86	76	163	49	70	42	70	52	70	60	156
21	104	65	76	51	55	65	59	57	41	60	41	81
22	76	59	70	46	70	65	110	49	65	60	70	60
23	65	59	70	43	394	65	129	44	70	230	129	58
24	65	70	65	43	245	65	293	43	122	98	70	50
25	59	65	65	122	142	65	116	39	65	70	86	50
26	57	60	60	86	129	60	92	39	47	60	394	60
27	53	60	56	60	86	60	104	49	41	65	760	48
28	50	70	52	47	86	50	293	47	39	215	326	41
29	48	70	70	44	81	49	200	42	37	76	215	40
30	46	60	81	42	.....	215	110	39	86	70	185	40
31	44	.....	76	40	.....	110	.....	40	.....	60	149	.....

NOTE.—Stage-discharge relation affected by ice Dec. 30, 1922; Jan. 30, Feb. 6, 8, 12, 15-18, 20, 24, 1923; Jan. 6-8, 22, 23, 27, 28, Feb. 14, 15, 20, 1924; Dec. 27, 28, 1925; Jan. 12, 29, Mar. 11, 12, 14, Dec. 6, 15-18, 1926; Jan. 10-12, 1927; Jan. 2-6, 29-31, and Feb. 1-3 1928; daily discharge for these periods determined by graphic study of hydrograph, weather records and records of nearby streams.

Monthly discharge of Whippany River at Morristown, for the years ending September 30, 1921-1928.

[Drainage area, 29 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1921					
September	26	10	12.4	0.428	0.48
1921-22					
October	18	7	10.9	0.376	0.43
November	122	12	22.4	.772	.86
December	81	11	21.9	.755	.87
January	34	11	16.9	.583	.67
February	245	12	51.6	1.78	1.85
March	275	35	80.1	2.76	3.18
April	230	39	69.1	2.38	2.66
May	245	32	57.9	2.00	2.31
June	163	31	60.1	2.07	2.31
July	290	33	89.1	3.07	3.54
August	50	17	28.4	.979	1.13
September	215	18	42.5	1.47	1.64
The year	290	7	45.8	1.58	21.45
1922-23					
October	39	16	19.3	0.666	0.77
November	31	14	17.4	.600	.63
December	86	14	23.3	.803	.97
January	309	20	48.7	1.68	1.94
February	42	20	29.0	1.00	1.04
March	411	39	118	4.07	4.69
April	326	35	66.5	2.29	2.56
May	60	22	39.7	1.37	1.58
June	178	14	31.7	1.09	1.22
July	33	11	15.6	.538	.62
August	36	7	12.2	.421	.49
September	45	7	12.3	.424	.47
The year	411	7	36.2	1.25	16.98
1923-24					
October	185	8	19.2	0.662	0.76
November	50	12	17.8	.614	.68
December	156	20	41.4	1.43	1.65
January	309	32	69.1	2.38	2.74
February	122	30	46.0	1.59	1.72
March	163	41	61.2	2.11	2.43
April	640	47	121	4.17	4.65
May	429	58	122	4.21	4.85
June	54	27	40.8	1.41	1.57
July	149	11	26.8	.924	1.07
August	65	11	16.4	.566	.65
September	230	12	26.5	.914	1.02
The year	640	8	50.7	1.75	23.79
1924-25					
October	230	16	27.5	.948	1.09
November	55	14	18.7	.645	.72
December	110	12	26.7	.921	1.06
January	36	16	20.3	.700	.81
February	360	21	107	3.69	3.84
March	292	56	92.8	3.20	3.69
April	98	34	49.3	1.70	1.90
May	110	23	38.5	1.33	1.53
June	81	16	24.2	.834	.93
July	142	12	27.1	.934	1.08
August	360	12	37.4	1.29	1.49
September	81	11	19.6	.676	.75
The year	360	11	40.3	1.39	18.89

Monthly discharge of Whippany River at Morristown, for the years ending September 30, 1921-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1925-26					
October	170	11	29.7	1.02	1.18
November	411	21	58.7	2.02	2.25
December	343	30	77.5	2.67	3.08
January	230	23	42.6	1.47	1.70
February	360	29	78.4	2.70	2.81
March	230	45	73.9	2.55	2.94
April	122	40	54.1	1.87	2.09
May	59	18	30.0	1.03	1.19
June	60	12	21.5	.741	.83
July	293	8	27.5	.948	1.09
August	122	12	32.1	1.11	1.28
September	230	16	42.1	1.45	1.62
The year	411	8	47.1	1.62	22.06
1926-27					
October	261	18	38.2	1.32	1.52
November	215	28	68.8	2.37	2.64
December	178	30	53.8	1.86	2.14
January	200	24	58.1	2.00	2.31
February	230	40	66.5	2.29	2.38
March	110	45	58.6	2.02	2.33
April	98	27	40.0	1.38	1.54
May	215	29	57.5	1.98	2.28
June	70	25	38.2	1.32	1.47
July	200	18	41.5	1.43	1.65
August	245	22	63.2	2.18	2.51
September	136	24	42.2	1.46	1.63
The year	261	18	52.2	1.80	24.40
1927-28					
October	326	22	71.6	2.47	2.85
November	245	42	81.5	2.81	3.14
December	360	52	99.1	3.42	3.94
January	163	39	56.9	1.96	2.26
February	394	35	107	3.69	3.98
March	215	35	73.8	2.54	2.93
April	293	42	88.5	3.05	3.40
May	110	39	59.7	2.06	2.38
June	185	28	55.4	1.91	2.13
July	580	40	111	3.83	4.42
August	760	40	126	4.34	5.00
September	178	40	77.2	2.66	2.97
The year	760	22	84.0	2.90	39.40

Ramapo River Near Mahwah.

LOCATION.—At concrete highway bridge one mile west of Mahwah, Bergen County, three-fourths mile below mouth of Mahwah River.

DRAINAGE AREA.—118 square miles.

RECORDS AVAILABLE.—February 10, 1903, to July 31, 1914, and from September 1, 1922, to September 30, 1928. Records from 1907 to 1914 consist of gage heights only, published by United States Weather Bureau.

EQUIPMENT.—1903-1914: Chain gage attached to hand rail on downstream side of bridge.

1922-1928: Water-stage recorder on right bank just below bridge.

CHANNEL AND CONTROL.—Channel, coarse gravel; control, gravel riffle 150 feet below bridge.

EXTREMES OF DISCHARGE.—1922-1928: Maximum stage during period from water-stage recorder, 8.23 feet for several hours on September 2, 1927 (discharge, about 2,760 second-feet); minimum stage, 1.57 feet at 9:00 A. M. September 20, 1923 (discharge, 11 second-feet).

REGULATION.—Daily distribution of flow affcted by water powers at points upstream.

Daily discharge, in second-feet, of Ramapo River near Mahwah, for years ending September 30, 1922-1928.

Day	Sept.	Day	Sept.	Day	Sept.
1922					
1	80	11	93	21	60
2	60	12	128	22	37
3	43	13	130	23	57
4	352	14	97	24	35
5	388	15	88	25	55
6	186	16	75	26	52
7	180	17	58	27	54
8	142	18	77	28	45
9	112	19	61	29	40
10	99	20	68	30	36

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	34	37	32	530	160	83	266	436	78	39	20	24
2	35	38	25	1,020	178	96	254	337	70	41	18	24
3	36	41	26	603	188	151	250	282	73	42	19	18
4	36	35	26	384	177	406	276	254	124	43	19	17
5	38	28	34	297	154	677	406	256	140	59	24	16
6	40	36	46	244	164	607	575	236	146	60	19	16
7	46	38	35	197	132	477	460	179	325	52	19	16
8	37	51	31	174	131	427	379	156	360	42	19	23
9	47	39	51	190	124	315	332	204	248	40	34	40
10	74	34	28	175	117	280	285	200	187	36	27	52
11	99	57	38	146	105	261	252	163	142	36	19	46
12	92	36	36	147	137	367	227	164	118	34	21	24
13	73	37	46	161	116	494	208	231	105	31	18	23
14	62	36	34	136	120	542	188	180	100	26	20	23
15	35	34	48	137	138	472	171	148	95	26	19	20
16	50	40	44	121	122	670	167	168	90	25	17	19
17	54	39	38	113	111	1,300	152	258	73	25	18	19
18	45	41	49	81	86	1,200	140	191	74	24	17	19
19	36	31	40	105	102	1,040	134	154	66	23	17	18
20	38	38	38	94	88	840	131	136	59	24	17	18
21	31	42	33	225	83	720	122	236	51	23	18	27
22	38	39	47	650	80	770	110	263	48	22	19	27
23	47	37	55	655	75	1,120	105	201	44	20	17	78
24	40	27	31	480	70	1,270	98	167	41	19	17	103
25	37	38	45	417	63	1,040	90	141	40	21	16	69
26	48	25	53	335	96	775	86	123	39	20	13	60
27	36	27	65	262	82	625	83	110	45	29	16	48
28	40	30	95	222	82	520	97	103	72	28	18	37
29	29	28	65	200	.....	404	777	98	53	26	23	30
30	33	23	60	180	.....	379	671	90	47	18	20	24
31	29	.....	55	160	.....	332	.....	84	.....	17	20	.....

Daily discharge, in second-feet, of Ramapo River near Mahwah, for years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	20	180	878	251	200	111	454	423	187	48	28	29
2	23	150	671	221	190	87	397	322	172	46	32	30
3	23	120	452	408	193	104	404	266	149	44	26	27
4	20	110	348	528	194	108	488	252	146	44	26	26
5	20	110	340	403	228	147	612	212	140	44	26	27
6	21	110	1,090	320	259	289	831	186	125	30	28	31
7	20	110	1,250	260	208	344	2,270	175	122	45	24	23
8	25	130	800	220	184	223	1,830	175	106	148	25	27
9	25	130	700	198	156	203	1,300	750	133	273	28	57
10	23	98	600	198	142	319	945	875	110	119	25	209
11	25	99	512	493	141	337	738	671	97	83	23	108
12	25	101	443	941	135	366	606	1,080	94	70	50	74
13	25	96	413	619	123	278	482	1,540	76	65	90	57
14	25	85	390	467	111	247	452	1,060	91	85	65	46
15	25	85	278	373	112	217	394	806	97	80	50	40
16	25	79	230	445	126	187	336	671	92	70	42	35
17	25	89	223	1,390	105	178	294	543	75	65	36	31
18	25	59	197	1,040	121	190	670	467	73	65	32	33
19	25	75	175	684	103	238	1,040	460	66	66	30	50
20	25	72	165	574	100	234	772	401	64	31	32	29
21	25	60	169	482	134	269	638	389	78	32	32	28
22	25	59	170	380	138	235	574	360	65	29	32	32
23	55	68	260	300	145	279	543	300	66	29	36	49
24	600	245	380	266	128	325	423	271	62	28	35	57
25	1,300	220	320	442	113	351	394	308	59	27	63	38
26	700	188	260	480	105	365	336	255	55	28	74	31
27	340	165	240	360	101	358	308	224	58	23	79	26
28	340	165	240	360	101	403	280	254	59	26	59	30
29	220	149	253	280	102	458	252	267	53	25	50	34
30	150	282	238	220	.....	549	305	284	50	24	31	668
31	190	.....	229	210	.....	543	.....	224	.....	26	26	.....
1924-25												
1	1,480	41	65		58		423	179	174	64	230	
2	741	40	65		80		365	167	144	58	144	
3	424	43	65		81		336	133	142	55	97	
4	273	38	50		69	600	308	125	136	38	81	34
5	209	40	55	60	64		280	114	121	34	76	
6	176	42	150		61		252	109	100	44	78	
7	143	42	215		72	394	212	101	84	58	72	
8	129	40	196		72	365	190	95	81	83	60	
9	113	41	255	61	114	350	176	91	75	144	68	
10	97	39	218	55	425	294	173	83	106	95	123	
11	87	41	175	52	1,330	280	149	121	102	75	85	
12	76	41	160	68	1,960	336	219	203	76	60	68	
13	77	44	150	65	1,650	308	186	148	69	55	67	
14	71	43	170	53	1,040	280	171	124	51	50	56	
15	67	40	150	52	879	280	288	130	66	55	50	48
16	69	38	140	53	1,090	252	294	133	67	59		
17	63	62	129	74	875	225	195	119	70	288		
18	53	40	147	67	671	308	152	112	61	128		
19	51	40	150	85	543	553	137	102	58	110		
20	68	40	140	73	482	606	164	95	55	110		
21	61	42	69	70	452	452	160	85	30	110		
22	39	100	97	70	452	350	140	79	48	110		
23	50	336	78	74	512	320	130	61	51	110	40	
24	46	239	103	78	512	280	130	365	36	110		
25	57	157	143	57	482	252	120	512	40	72		
26	39	118	121	64	640	238	147	423	55	81		33
27	60	94	100	57	638	238	136	322	47	98		33
28	40	85	80	69	543	656	113	266	34	82		44
29	40	80	70	74	.....	772	106	235	47	81		45
30	42	65	75	68	.....	606	115	243	72	67		35
31	43	.....	70	68	.....	512	.....	204	.....	74	35	.....

Daily discharge, in second-feet, of Ramapo River near Mahwah, for years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	31	54	200	72	257	579	445	148	70	36	23	64
2	34	61	260		186	663	393	134	96	36	24	66
3	35	48	368		164	607	343	150	90	32	21	71
4	36	59	658		221	445	471	142	80	32	19	75
5	59	43	663		257	393	419	136	69	30	22	97
6	62	56	721	85	175	368	368	108	52	32	20	203
7	46	68	635		144	471	368	104	69	30	20	263
8	37	52	490			840	445	96	65	30	31	188
9	39	74	406			607	607	73	46	30	37	85
10	37	72	337	69	120	498	552	88	50	28	38	89
11	27	65	281	78		419	445	84	50	24	29	80
12	36	72	269	74		368	393	82	44	28	35	65
13	33	754	257	67	105	343	343	86	46	28	92	64
14	34	782	221	65	112	318	318	104	48	26	140	58
15	56	445	186	68	198	281	293	100	78	20	122	54
16	50	647	175	66	210	257	269	98	66	21	240	46
17	60	635	164	42	175	233	245	128	56	20	407	40
18	37	445	144	124	164	221	216	102	54	24	343	35
19	39	343	134	525	306	245	208	88	44	23	419	36
20	49	293	128	343	445	318	208	86	40	20	276	34
21	37	257	164	269	368	419	194	86	41	20	150	40
22	31	210	210	393	306	445	204	76	44	19	110	34
23	35	186	186	318	281	471	228	75	46	19	107	36
24	30	154	144	269	257	498	214	82	50	20	94	44
25	78	144	130	198	421	498	293	69	52	32	114	38
26	136	126	120		1,270	498	254	50	44	25	167	48
27	94	175	101	140	1,010	445	174	50	42	21	159	51
28	75	269	104		635	393	158	50	46	19	114	39
29	66	220	87		.....	343	161	50	42	24	91	47
30	64	180	83	115	.....	318	146	52	44	25	80	38
31	42	.....	78	123	.....	343	.....	52	.....	24	74	.....
1926-27												
1	47	249	318	174	258	465	214	180	233	56	331	1,040
2	37	205	269	170	236	407	203	172	202	60	567	2,620
3	38	173	219	169	254	325	203	156	173	39	359	2,030
4	54	152	212	162	318	286	192	154	161	36	222	1,350
5	38	146	178	193	267	274	181	150	180	42	170	784
6	41	121	190	186	225	262	203	141	160	42	148	555
7	44	111	189	142	208	274	192	134	134	41	121	426
8	48	109	188	123	195	438	160	120	120	38	216	343
9	45	219	179	110	189	617	140	224	112	32	444	286
10	35	651	177	100	200	525	140	436	95	22	242	240
11	37	607	173	95	196	465	120	674	87	29	165	222
12	39	445	164	90	175	436	120	576	78	30	138	204
13	36	343	160	94	169	465	110	425	80	44	117	177
14	40	306	183	100	165	555	100	340	74	44	211	163
15	42	269	196	106	175	617	100	440	83	41	1,060	155
16	46	422	172	100	202	555	95	420	80	36	667	141
17	50	915	140	100	419	495	104	360	69	73	391	122
18	51	712	110	110	525	436	104	300	65	130	381	112
19	61	607	95	114	525	407	99	260	69	77	431	156
20	68	498	106	166	393	436	101	220	119	62	318	157
21	104	393	109	343	393	540	88	203	88	45	250	126
22	91	343	111	445	343	632	226	192	77	42	213	109
23	71	293	103	579	318	407	226	200	68	371	209	101
24	73	269	92	471	368	407	180	400	68	448	231	94
25	582	233	102	368	445	379	180	550	62	201	190	77
26	635	221	144	293	842	325	140	695	64	120	156	92
27	393	368	141	250	808	325	162	570	85	114	377	81
28	281	306	174	188	555	312	305	439	74	151	613	85
29	221	257	318	232	.....	274	246	350	64	113	1,190	82
30	185	306	257	268	.....	250	201	297	45	139	1,060	64
31	186	.....	205	284	.....	250	.....	255	.....	213	810	.....

Daily discharge, in second-feet, of Ramapo River near Mahwah, for years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	62	171	291	348	185	304	498	738	118	345	160	237
2	61	166	309	234	209	271	394	585	115	276	166	196
3	71	865	528	195	172	247	340	474	93	230	142	358
4	265	2,190	428	154	165	209	313	404	111	197	147	387
5	222	1.750	408	138	256	202	291	346	374	197	144	283
6	138	1,170	379	139	257	179	272	305	583	846	283	232
7	112	738	345	141	203	169	257	272	469	1,130	279	210
8	93	564	1,220	149	401	163	266	237	334	644	228	181
9	98	476	1,350	186	616	163	252	218	293	397	198	153
10	127	415	802	188	524	176	209	204	488	306	221	140
11	99	400	617	174	379	160	206	186	373	295	440	127
12	80	371	646	162	260	183	334	180	279	244	341	118
13	638	308	605	159	200	271	365	152	231	286	219	112
14	592	274	776	161	200	404	310	146	342	335	170	100
15	313	258	687	159	900	357	308	140	934	376	142	93
16	218	246	572	153	900	281	252	132	455	258	123	88
17	204	298	572	143	650	237	225	127	311	204	178	93
18	605	757	455	141	497	261	202	194	245	174	369	90
19	1.500	830	370	140	425	266	193	255	416	168	255	115
20	1,650	538	329	232	376	247	177	235	658	179	179	254
21	1,030	424	307	176	320	244	180	215	464	191	150	195
22	658	369	294	168	281	255	400	185	451	173	208	134
23	493	334	271	135	653	278	600	174	435	222	489	107
24	414	321	236	127	1,050	284	1,000	164	438	175	436	95
25	347	342	237	481	690	313	1,000	143	430	154	409	86
26	296	294	190	384	483	322	600	141	357	146	519	85
27	263	309	179	283	404	320	400	133	327	165	838	78
28	239	331	172	226	347	280	763	149	282	590	629	75
29	217	326	186	213	314	246	1,220	146	284	419	487	77
30	194	304	227	225	.....	445	991	125	389	237	370	62
31	183	.....	249	196	.....	695	.....	140	.....	183	295	.....

NOTE.—Stage-discharge relation affected by ice Dec. 29, 31, 1922; Jan. 29-31, Feb. 1, 24, 1923; Feb. 8, 12, Dec. 17-19, 1926; and Jan 9-12, 1927. Gage height record missing, June 14-16, July 22, 23, Oct. 13, to Nov. 8, Dec. 8-10, 14, 22-27, 1923; Jan. 6-8, 22, 23, 27-31, Feb. 1, 2, June 30, July 1-5 12-18, Aug. 12-23, Sept. 14, 15, Nov. 19-22, 28-30, Dec. 1-4, 12-15, 19, 20, 27-31, 1924; Jan. 1-8, Mar. 1-6, 23, 24, Apr. 21-25, July 11-13, 19-24, Aug. 16-30, Sept. 1-25, Nov. 29, 30, Dec. 1, 2, 1925; Jan. 2-9, 26-29, Feb. 9-11, May 15, 28, 29, Oct. 16, 17, 1926; Jan. 2, 16-18, April 11-16, 24, 25, May 17-20, 23-25, 1927; Feb. 12-17, and Apr. 21-27, 1928. Discharge for these periods determined by graphic study of station records, weather records, and records of nearby streams. Indirect method of computing discharge used Oct. 1-22, 1925; Feb. 27, to Aug 13, 1926 and July 4-22, 1927.

Monthly discharge of Ramapo River near Mahwah, for the years ending September 30, 1903-1907 and 1922-1928.

[Drainage area, 118 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1903					
February 10-28	660	230	341	2.89	2.04
March	1,880	250	571	4.84	5.58
April	2,190	210	534	4.53	5.05
May	190	40	96	.814	.94
June	1,980	25	400	3.39	3.78
July	1,045	40	183	1.55	1.79
August	525	40	162	1.37	1.58
September	835	73	198	1.68	1.87

Monthly discharge of Ramapo River near Mahwah, for the years ending September 30, 1903-1907 and 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1903-4					
October	5,380	73	801	6.79	7.83
November	715	210	281	2.38	2.66
December	.....	.....	357	3.03	3.49
January	.....	.....	260	2.20	2.54
February	.....	.....	300	2.54	2.74
March	2,410	295	562	4.76	5.49
April	1,200	230	430	3.64	4.06
May	455	150	247	2.09	2.41
June	425	56	191	1.62	1.81
July	775	40	123	1.04	1.20
August	210	40	66	.560	.65
September	1,120	11	152	1.29	1.44
The year	5,380	11	315	2.67	36.32
1904-5					
October	2,190	40	243	2.06	2.37
November	295	170	215	1.82	2.03
December	.....	.....	182	1.54	1.78
February 23-28	119	82	106	0.899	0.20
March	1,560	99	670	5.68	6.55
April	743	119	342	2.90	3.24
May	119	46	79.5	.674	.78
June	224	46	74.7	.633	.71
July	167	24	44.5	.377	.44
August	119	24	41.3	.350	.40
September	743	30	158	1.34	1.50
1905-6					
October	371	30	109	.924	1.07
November	456	37	71.3	.604	.67
December	796	99	257	2.18	2.51
January	546	.....	275	2.33	2.69
February	796	.....	209	1.77	1.84
March	1,880	142	454	3.85	4.44
April	1,560	194	588	4.98	5.56
May	1,430	82	292	2.47	2.85
June	546	56	156	1.32	1.47
July	546	37	126	1.07	1.23
August	500	37	124	1.05	1.21
September	167	24	41.8	.354	.40
The year	1,880	24	226	1.92	25.94
1906					
October	224	24	56.7	.481	.55
November	293	30	79.7	.675	.75
December	331	65	103	.873	1.01
1922					
September	388	35	99.6	0.844	0.94
1922-23					
October	99	29	45.6	.386	.44
November	57	23	36.1	.306	.34
December	95	25	43.5	.369	.43
January	1,020	81	285	2.42	2.79
February	188	63	117	.992	1.03
March	1,300	83	602	5.10	5.88
April	777	83	250	2.12	2.36
May	436	84	192	1.63	1.88
June	360	39	105	.890	.99
July	60	17	31.3	.265	.31
August	34	13	19.3	.164	.19
September	103	16	32.6	.276	.31
The year	1,300	13	147	1.25	16.95

Monthly discharge of Ramapo River near Mahwah, for the years ending September 30, 1903-1907 and 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923-24					
October	1,300	20	140	1.19	1.37
November	282	59	122	1.03	1.15
December	1,250	165	418	3.54	4.08
January	1,390	198	442	3.75	4.32
February	259	101	145	1.23	1.33
March	549	87	276	2.34	2.70
April	2,270	252	646	5.47	6.10
May	1,540	175	467	3.96	4.56
June	187	50	94.0	.797	.89
July	273	23	58.6	.497	.57
August	90	23	39.8	.337	.39
September	668	23	66.1	.560	.62
The year	2,270	20	243	2.06	28.08
1924-25					
October	1,480	39	161	1.36	1.57
November	336	38	71.7	.608	.68
December	255	50	124	1.05	1.21
January	85	52	64.1	.543	.63
February	1,960	58	566	4.80	5.00
March	.....	225	423	3.58	4.13
April	423	106	199	1.69	1.89
May	512	61	170	1.44	1.66
June	174	30	76.6	.649	.72
July	288	34	85.7	.726	.84
August	230	35	64.2	.544	.63
September	.....	.....	43.5	.369	.41
The year	1,960	30	168	1.42	19.37
1925-26					
October	136	27	49.2	0.417	0.48
November	782	43	233	1.97	2.20
December	721	78	261	2.21	2.55
January	525	42	146	1.24	1.43
February	1,270	105	295	2.50	2.60
March	840	221	424	3.59	4.14
April	607	146	312	2.64	2.94
May	150	50	91.3	.774	.89
June	96	40	55.5	.470	.52
July	36	19	25.7	.218	.25
August	419	19	117	.992	1.14
September	263	34	70.9	.601	.67
The year	1,270	19	172	1.46	19.81
1926-27					
October	635	35	120	1.02	1.18
November	915	109	342	2.90	3.24
December	318	92	173	1.47	1.70
January	579	90	204	1.73	1.99
February	842	165	334	2.83	2.95
March	632	250	414	3.51	4.05
April	305	88	161	1.36	1.52
May	695	120	324	2.75	3.17
June	233	45	102	.864	.96
July	448	22	94.5	.801	.92
August	1,190	117	387	3.28	3.78
September	2,620	64	406	3.44	3.84
The year	2,620	22	255	2.16	29.30

Monthly discharge of Ramapo River near Mahwah, for the years ending September 30, 1903-1907 and 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1927-28					
October	1,650	61	370	3.14	3.62
November	2,190	166	538	4.56	5.09
December	1,350	172	459	3.89	4.48
January	481	127	197	1.67	1.92
February	1,050	165	425	3.60	3.88
March	695	160	272	2.31	2.66
April	1,220	177	427	3.62	4.04
May	738	125	234	1.98	2.28
June	934	93	369	3.13	3.49
July	1,130	146	314	2.66	3.07
August	838	123	297	2.52	2.90
September	387	62	152	1.29	1.44
The year	2,190	61	337	2.86	38.87

NOTE.—Data for 1904-1906 republished from United States Geological Survey Water-Supply Papers 125, 166, and 202.

Ramapo River at Pompton Lakes.

LOCATION.—At hydro-electric plant, Borough of Pompton Lakes, Passaic County, 1½ miles above mouth of Ramapo River.

DRAINAGE AREA.—160 square miles.

RECORDS AVAILABLE.—October 29, 1921, to September 30, 1928.

EQUIPMENT.—Water-stage recorders at right end of dam and on left bank of tailrace, respectively. Prior to September 24, 1923, a staff gage in tailrace was read twice daily. Wicket-gate opening for each turbine recorded hourly from indicators on turbine governors.

CONTROLS.—For main channel, spillway of dam; for tailrace, coarse gravel 30 feet below gage.

EXTREMES OF DISCHARGE.—1921-1928: Maximum stage from water-stage recorder, 2.68 feet at 10:00 A. M. September 2, 1927 (discharge, about 7,220 second-feet; flow through turbines not included).

DIVERSIONS AND REGULATION.—Flow through turbines included in daily discharge. Record indicates flow as released by power plant. No correction made for storage in pond or for evaporation from its surface.

CO-OPERATION.—The water-stage recorders were operated by and records of wicket-gate opening were furnished by employes of Borough of Pompton Lakes to about December, 1926; after that date by the Jersey Central Power and Light Company.

Daily discharge, in second-feet, of Ramapo River at Pompton Lakes, for the years ending September 30, 1924-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	50	207	872	294	296	133	530	523	241	83	36	40
2	50	168	739	283	254	124	460	445	221	83	37	47
3	50	140	482	463	241	142	431	346	195	76	33	44
4	51	126	363	673	246	143	523	297	196	50	36	45
5	51	126	350	535	273	189	652	274	191	74	36	47
6	48	123	1,030	357	412	309	804	241	177	36	35	45
7	20	131	1,410	331	304	480	5,300	222	168	69	36	39
8	2	148	846	296	253	339	4,290	234	143	44	36	44
9	2	138	568	263	221	267	1,950	794	172	341	12	50
10	2	124	450	250	190	386	1,310	1,230	155	211	1.4	127
11	2	103	410	460	194	432	990	921	137	128	1.4	144
12	44	108	415	1,100	183	561	743	1,300	133	100	18	95
13	53	102	350	801	168	416	607	2,030	119	82	100	75
14	50	104	331	545	156	348	545	1,540	124	104	86	59
15	54	101	292	459	157	307	454	1,100	116	92	64	59
16	51	98	248	439	146	260	393	889	122	84	56	57
17	53	95	247	1,650	129	243	351	713	108	72	49	48
18	24	68	220	1,400	154	242	474	582	100	71	43	44
19	2	82	195	871	132	278	1,510	573	94	73	41	43
20	2	84	182	740	139	282	1,060	513	83	40	45	48
21	41	83	180	584	199	315	823	492	94	73	44	46
22	55	76	194	372	187	292	730	467	94	42	44	50
23	61	85	303	392	161	301	694	389	84	38	48	50
24	679	239	443	331	129	343	577	341	95	37	45	62
25	1,520	261	360	518	137	373	487	371	88	34	44	68
26	776	214	304	649	133	392	407	329	86	36	65	54
27	382	183	271	406	125	408	360	284	75	28	93	51
28	242	165	291	327	129	449	335	309	79	33	67	47
29	302	138	347	308	128	492	308	321	63	35	58	50
30	175	306	287	299	.....	634	303	344	89	34	56	399
31	214	.....	277	303	.....	649	.....	297	.....	37	40	.....
1924-25												
1	1,750	58	82	70	82	649	540	199	218	93	400	54
2	870	52	81	68	85	1,400	453	204	193	80	258	54
3	384	58	85	86	92	894	414	165	173	79	178	57
4	215	57	62	78	94	694	387	151	170	68	134	56
5	146	57	71	77	86	559	330	149	160	64	117	56
6	185	57	179	77	84	527	305	145	134	72	120	28
7	156	54	234	80	95	541	262	139	107	69	113	41
8	143	56	207	73	95	522	236	134	97	106	103	49
9	130	49	257	75	137	482	214	128	99	183	91	53
10	111	54	243	71	398	417	214	110	111	133	184	55
11	104	55	194	65	1,140	376	296	164	130	107	143	56
12	92	54	169	73	2,970	428	265	288	98	75	102	54
13	85	56	158	84	2,350	414	239	148	88	74	95	51
14	82	54	173	76	1,350	362	207	185	76	70	99	54
15	80	56	151	67	1,170	357	295	174	80		74	57
16	80	49	139	77	1,370	335	314	185	96		59	96
17	78	57	132	86	1,220	306	254	176	91		56	116
18	69	57	148	92	879	401	213	164	84	140	66	91
19	62	59	149	87	691	731	183	143	75		59	74
20	66	54	145	82	599	901	194	131	77		57	69
21	71	54	113	89	569	660	186	126	62		54	53
22	67	66	77	90	548	507	161	109	52	174	56	58
23	56	191	98	87	611	437	152	97	60	289	49	54
24	60	250	115	83	627	387	146	199	62	164	52	55
25	62	166	142	78	600	363	145	612	65	118	51	49
26	60	129	122	87	757	313	144	533	70	108	50	55
27	55	98	110	91	832	295	161	413	70	138	47	51
28	66	94	89	65	582	725	137	331	69	117	50	58
29	56	92	82	85	.....	1,010	124	287	69	112	54	61
30	59	83	91	100	.....	821	137	297	83	98	52	61
31	57	.....	88	82	.....	694	.....	258	.....	112	52	.....

Daily discharge, in second-feet, of Ramapo River at Pompton Lakes, for the years ending September 30, 1924-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	23	71	250	111	327	940	612	195	89	44	63	91
2	7	76	332	119	279	976	550	177	122	47	30	91
3	7	90	512	117	224	1,080	522	186	127	50	3	85
4	42	79	934	132	141	779	636	178	111	42	2	96
5	70	85	1,000	143	183	591	659	168	97	43	2	105
6	73	80	1,100	154	227	503	537	155	81	48	5	256
7	65	95	978	155	220	658	495	142	83	46	4	461
8	61	90	730	135	203	1,310	560	137	96	47	4	310
9	65	103	591	124	191	1,060	820	106	87	20	39	201
10	65	104	479	112	201	764	820	121	66	3	48	159
11	55	99	393	117	185	625	694	120	68	3	52	149
12	62	109	366	112	191	536	612	110	75	3	57	121
13	24	1,070	341	103	190	468	527	111	60	3	58	113
14	29	1,240	308	104	181	406	451	152	79	27	75	101
15	56	713	262	105	275	374	387	161	94	42	135	91
16	60	908	242	106	299	329	337	139	88	47	164	85
17	64	938	229	91	247	291	318	157	76	51	505	68
18	54	659	214	115	250	327	273	148	69	48	389	62
19	64	487	195	660	408	326	252	126	59	48	512	47
20	62	411	181	523	615	402	247	131	70	49	369	55
21	66	359	215	379	556	578	234	119	46	47	213	56
22	65	294	267	554	459	587	230	111	53	48	157	57
23	29	263	273	426	394	626	258	97	49	22	166	68
24	16	228	218	346	344	674	262	110	50	3	144	58
25	78	205	190	269	469	659	359	97	45	3	147	67
26	189	183	181	247	1,830	661	347	85	53	3	189	54
27	151	239	125	224	1,800	626	242	77	43	45	202	66
28	120	378	132	203	1,210	530	212	79	45	47	168	38
29	107	299	137	145	.....	465	208	82	47	54	127	48
30	98	243	130	167	.....	412	193	69	47	55	112	64
31	93	.....	126	172	.....	429	.....	74	.....	71	94	.....
1926-27												
1	70	350	417	304	355	571	270	245	290	60	361	1,700
2	72	286	372	249	310	471	279	321	240	68	638	6,670
3	110	237	315	234	342	360	291	295	205	63	478	4,110
4	24	206	280	225	398	291	241	295	205	59	278	2,160
5	4	192	263	242	403	267	226	284	219	54	196	1,280
6	69	176	246	236	346	258	257	275	217	61	180	835
7	68	156	238	204	311	259	239	259	172	62	140	614
8	64	155	228	161	291	462	205	155	148	53	152	495
9	68	267	228	139	277	671	190	170	137	32	563	404
10	69	1,090	220	138	290	576	167	523	127	.....	355	340
11	68	897	207	130	297	478	165	864	131	49	223	289
12	68	638	197	122	262	493	152	766	97	68	165	169
13	75	499	206	136	253	530	147	513	102	64	149	239
14	22	400	214	147	258	612	140	433	107	32	192	215
15	2	378	283	172	259	706	128	620	108	.....	1,340	207
16	55	495	232	145	389	660	132	610	104	60	1,040	184
17	58	1,350	203	152	522	502	133	456	93	60	555	170
18	73	1,100	170	161	692	458	125	364	91	146	487	140
19	74	893	134	181	726	456	132	346	95	104	608	174
20	98	734	163	220	652	492	128	320	148	82	435	214
21	172	571	170	431	609	626	136	270	124	74	315	174
22	144	456	170	604	532	807	252	231	101	60	269	168
23	123	424	155	744	499	650	319	232	95	346	249	128
24	110	373	147	672	539	521	252	458	87	680	262	118
25	722	330	126	528	662	455	205	818	97	273	226	88
26	992	309	191	413	1,070	398	186	941	92	155	190	102
27	590	481	190	276	1,050	393	201	764	98	149	445	100
28	399	398	220	270	696	386	374	570	96	205	764	92
29	304	373	505	316	.....	341	249	443	84	144	1,700	95
30	259	396	435	361	.....	302	157	371	81	131	1,560	86
31	246	.....	429	374	.....	306	.....	321	.....	191	1,240	.....

Daily discharge, in second-feet, of Ramapo River at Pompton Lakes, for the years' ending September 30, 1924-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	74	220	366	440	200	458	822	1,130	239	474	193	390
2	70	208	506	300	240	419	635	885	251	372	209	317
3	86	679	676	240	200	362	558	720	264	308	189	442
4	269	3,370	601	200	200	302	513	624	30	240	151	609
5	310	2,840	551	170	280	292	480	548	386	196	121	436
6	180	1,650	520	166	340	253	427	494	760	1,050	185	369
7	135	985	458	165	254	233	422	437	688	1,440	272	348
8	114	705	1,460	171	494	226	404	396	500	1,010	237	298
9	100	655	2,080	216	804	217	389	366	379	584	192	257
10	147	580	1,210	218	721	238	362	356	563	376	162	227
11	119	532	835	200	548	233	343	342	539	347	398	220
12	89	492	840	191	407	239	450	332	381	339	437	192
13	660	389	835	187	350	370	548	294	306	379	291	191
14	859	340	1,090	200	357	592	484	283	322	484	228	178
15	437	321	1,000	186	1,940	577	440	268	1,300	568	191	175
16	264	307	826	191	1,650	444	400	257	706	393	171	116
17	238	343	845	167	948	375	360	254	459	304	186	114
18	986	867	663	168	737	377	340	344	359	259	347	164
19	2,180	1,100	528	181	562	405	300	472	480	230	360	76
20	2,370	750	434	297	503	373	300	420	935	200	250	198
21	1,600	564	376	221	453	368	300	389	677	242	208	209
22	985	485	348	160	369	369	400	343	647	212	197	197
23	685	429	326	188	910	400	850	323	639	295	475	132
24	566	403	300	159	1,960	390	1,200	294	617	237	527	129
25	471	428	320	566	1,120	416	1,050	286	603	177	531	129
26	395	366	280	557	710	444	794	269	517	163	685	71
27	346	378	240	364	590	430	651	265	426	161	1,910	123
28	311	424	220	289	493	425	1,130	267	378	708	1,230	146
29	303	421	220	225	465	396	1,750	268	348	615	831	167
30	252	395	260	251	.....	690	1,490	265	511	338	628	160
31	236	.....	340	240	.....	1,050	.....	264	.....	249	493	.....

NOTE.—These tables include flow over spillway, through turbines, and through waste gate. Stage-discharge relation affected by ice Jan. 24, 25, Feb. 11-14, 1925. Gage height record missing May 12, 13, July 15-21, 1925; Mar. 9-10, Apr. 3-9, June 12-15, Sept. 1-4, 12-15, Nov. 28-30, Dec. 1-3, 5-8, 12, 13, 17-22, 1926; Jan. 9-13, 16-18, Feb. 6-8, 20-27, Mar. 13-18, Dec. 24-31, 1927; Jan. 1-5, 31, Feb. 1-6, and Apr. 15-24, 1928. Discharge for these periods determined by graphic study of station records, weather records, and records of Ramapo River near Mahwah.

Monthly discharge of Ramapo River at Pompton Lakes, for the years ending September 30, 1922-1928.

[Drainage area, 160 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1921-22					
November	204	23	73.5	0.459	0.51
December	.....	.....	170	1.06	1.22
January	.....	.....	85.2	.532	.61
February	340	86	242	1.51	1.57
March	4,390	325	880	5.50	6.34
April	1,200	182	480	3.00	3.35
May	1,270	147	375	2.34	2.70
June	670	120	301	1.88	2.10
July	607	82	227	1.42	1.64
August	495	68	134	.838	.97
September	552	33	122	.762	.85

Monthly discharge of Ramapo River at Pompton Lakes, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922-23					
October	81	0	56.4	0.352	0.41
November	79	0	45.4	.284	.32
December	.....	.....	50.4	.315	.36
January	1,380	167	376	2.35	2.71
February	268	100	171	1.07	1.11
March	2,230	124	870	5.44	6.27
April	1,290	115	343	2.14	2.39
May	640	118	263	1.64	1.89
June	459	51	133	.831	.93
July	92	26	45.6	.285	.33
August	46	0	28.5	.178	.21
September	86	0	37.8	.236	.26
The year	2,230	0	203	1.27	17.19
1923-24					
October	1,520	2	165	1.03	1.19
November	306	68	138	.862	.96
December	1,410	180	428	2.68	3.09
January	1,650	250	539	3.37	3.88
February	412	125	192	1.20	1.29
March	649	124	340	2.12	2.44
April	5,300	303	947	5.92	6.60
May	2,030	222	604	3.78	4.36
June	241	63	128	.800	.89
July	341	28	75.5	.472	.54
August	100	1.4	45.3	.283	.33
September	399	39	69.2	.432	.48
The year	5,300	1.4	306	1.91	26.05
1924-25					
October	1,750	55	179	1.12	1.29
November	250	49	77.5	.484	.54
December	257	62	135	.844	.97
January	100	65	80.0	.500	.58
February	2,970	82	718	4.49	4.68
March	1,400	295	565	3.53	4.07
April	540	124	244	1.52	1.70
May	612	97	211	1.32	1.52
June	218	52	101	.631	.70
July	.....	64	119	.744	.86
August	400	47	99.2	.620	.71
September	116	28	59.2	.370	.41
The year	2,970	28	213	1.33	18.03
1925-26					
October	189	7	65.2	0.408	0.47
November	1,240	71	340	2.12	2.36
December	1,100	125	375	2.34	2.70
January	660	91	209	1.31	1.51
February	1,830	141	432	2.70	2.81
March	1,310	291	613	3.83	4.42
April	820	193	428	2.68	2.99
May	195	69	126	.788	.91
June	127	43	72.5	.453	.51
July	71	3	35.8	.224	.26
August	512	2	137	.856	.99
September	461	38	111	.694	.77
The year	1,830	2	244	1.52	20.70

Monthly discharge of Ramapo River at Pompton Lakes, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926-27					
October	992	2	170	1.06	1.22
November	1,350	155	487	3.04	3.39
December	505	126	244	1.52	1.75
January	744	122	280	1.75	2.02
February	1,070	253	475	2.97	3.09
March	807	258	476	2.98	3.44
April	374	125	203	1.27	1.42
May	941	155	437	2.73	3.15
June	290	81	133	.831	.93
July	680	0	116	.725	.84
August	1,700	140	508	3.18	3.67
September	6,670	86	725	4.53	5.05
The year	6,670	0	353	2.21	29.97
1927-28					
October	2,370	70	511	3.19	3.68
November	3,370	208	721	4.51	5.03
December	2,080	220	631	3.94	4.54
January	566	159	241	1.51	1.74
February	1,960	200	648	4.05	4.37
March	1,050	217	399	2.49	2.87
April	1,750	300	620	3.88	4.33
May	1,130	254	402	2.51	2.89
June	1,300	30	507	3.17	3.54
July	1,440	161	417	2.61	3.01
August	1,910	121	403	2.52	2.90
September	609	71	226	1.41	1.57
The year	3,370	30	476	2.98	40.47

NOTE.—Data not corrected for storage in nor evaporation from Pompton Lakes.

Greenwood Lake at The Glens.

LOCATION.—On Erie Railroad bridge 100 feet above dam at The Glens, Passaic County.

DRAINAGE AREA.—27 square miles.

RECORDS AVAILABLE.—June 1, 1898, to November 16, 1903, and June 1, 1907, to September 30, 1928.

EQUIPMENT.—Vertical staff gage on railroad trestle read to half-tenths once a day.

CONTROL.—The old masonry dam was replaced during the winter of 1927-28 by a concrete dam, with a spillway 120 feet long. The elevation of spillway crest of the old dam was at gage height 100.0 feet; the crest of the new spillway is at the same elevation.

EXTREMES OF STAGE.—1898-1903, 1907-1928: Maximum stage recorded, 102.37 feet several days in March, 1902 (also gage height was reported as "2 feet over gage" approximately, 104.0 feet October 9-14, 1903); minimum stage recorded, 93.25 feet several days in November, 1900.

REGULATION.—The Greenwood Lake dam was constructed to provide a storage reservoir for the water supply of the Morris Canal. The Morris Canal was taken by the State of New Jersey on March 1, 1923. Navigation was abandoned by act of the State Legislature March 13, 1924. Very little regulation of the lake was required for the canal after this date.

CO-OPERATION.—Records to about December, 1922, furnished by John H. Cook, Deputy Governor, The Society for Establishing Useful Manufactures, Paterson, N. J.; later records furnished by Morris Canal and Banking Company.

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928.

Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.
1898					1898				
1	99.9	99.2	98.2	97.6	16	99.5	.....	.....	97.11
2	99.9	99.1	.....	.....	17	.....	.....	.....	97.08
3	99.9	.....	98.3	.....	18	.....	98.7	.....	97.05
4	99.8	.....	.....	97.5	19	.....	.....	97.9	97.02
5	.....	.....	.....	.....	20	99.4	.....	.....	96.99
6	.....	99.0	.....	.....	21	.....	.....	.....	96.96
7	.....	.....	98.2	.....	22	.....	98.6	.....	96.92
8	99.7	.....	.....	97.4	23	.....	.....	97.8	.....
9	.....	.....	.....	.....	24	99.3	.....	.....	.....
10	.....	98.9	.....	.....	25	.....	.....	.....	.....
11	.....	.....	98.1	.....	26	.....	98.5	.....	.....
12	99.6	.....	.....	97.3	27	.....	.....	97.7	.....
13	.....	.....	.....	.....	28	99.2	.....	.....	.....
14	.....	98.8	.....	97.17	29	.....	.....	.....	.....
15	.....	.....	98.0	97.14	30	.....	98.4	.....	.....
					31	.....	.....	97.6	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1898-99												
1	.....	95.7	97.7	100.15	100.3	100.7	100.5	.....	.....	.....	98.5	97.7
2	.....	95.7	97.8	100.2	100.3	100.7	100.4	.....	.....	.....	98.5	97.7
3	.....	95.7	97.8	100.25	100.3	100.7	100.4	.....	.....	.....	98.65	97.7
4	.....	95.7	97.9	100.3	100.3	100.75	100.4	.....	.....	.....	98.65	97.7
5	.....	95.7	98.2	100.35	100.25	100.8	100.4	.....	.....	.....	98.7	97.7
6	.....	95.7	98.5	100.5	100.2	100.8	100.4	.....	.....	.....	98.7	97.7
7	.....	95.7	98.7	100.5	100.2	100.85	.....	.....	.....	.....	98.7	97.65
8	.....	95.7	98.8	100.5	100.2	100.9	.....	.....	.....	.....	98.6	97.6
9	.....	95.7	98.9	100.5	100.2	101.0	.....	.....	.....	.....	98.5	97.55
10	.....	95.8	98.9	100.45	100.2	101.0	.....	.....	.....	.....	98.5	97.55
11	.....	95.9	99.0	100.4	100.2	100.8	.....	.....	.....	.....	98.5	97.5
12	.....	96.0	99.0	100.35	100.2	100.7	.....	.....	.....	.....	98.5	97.45
13	.....	96.1	99.0	100.35	100.2	100.7	.....	.....	.....	98.5	98.45	97.3
14	.....	96.1	99.1	100.3	100.15	100.7	.....	.....	.....	.....	98.5	97.4
15	.....	96.2	99.1	100.3	100.1	100.8	.....	.....	.....	98.5	98.4	97.25
16	95.7	96.2	99.1	100.35	100.1	100.9	.....	.....	.....	98.6	98.4	97.2
17	95.6	96.2	99.1	100.35	100.1	101.0	.....	.....	.....	98.6	98.4	97.15
18	95.5	96.3	99.1	100.4	100.1	101.0	.....	.....	.....	98.55	98.35	97.1
19	95.4	96.5	99.2	100.4	100.1	101.0	.....	.....	.....	98.45	98.3	97.1
20	95.4	96.8	99.2	100.35	100.15	100.9	.....	.....	.. ..	98.4	98.25	97.2
21	95.4	97.0	99.3	100.35	100.2	100.95	.....	.....	.....	98.4	98.2	97.15
22	95.4	97.0	99.3	100.3	100.25	101.0	.....	.....	.....	98.4	98.2	97.15
23	93.4	97.1	99.5	100.3	100.3	101.0	.....	.....	.....	98.35	98.15	97.1
24	95.4	97.3	99.65	100.4	100.35	100.95	.....	.....	.....	98.3	98.1	97.05
25	95.4	97.4	99.8	100.45	100.4	100.8	.....	.....	.....	98.3	98.05	97.0
26	95.6	97.5	99.85	100.45	100.45	100.8	.....	.....	.....	98.3	98.0	97.2
27	95.6	.....	99.9	100.45	100.55	100.7	.....	.....	.....	98.3	97.95	97.3
28	95.7	97.6	99.95	100.4	100.7	100.6	.....	.....	.....	98.3	97.9	97.25
29	95.6	97.6	100.0	100.35	.....	100.5	.....	.....	.....	98.3	97.8	97.2
30	95.7	97.7	100.05	100.3	.....	100.5	.....	.....	.....	98.5	97.8	97.25
31	95.7	.....	100.1	100.3	.....	100.5	.....	.....	.....	98.55	97.75	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1899-1900												
1	97.25	96.8	97.75	98.45	100.1	100.8	100.32	100.2	100.07	99.7	98.7	97.5
2	97.25	96.85	97.75	98.45	100.1	101.6	100.3	100.2	100.05	99.7	98.65	97.4
3	97.2	96.9	97.75	98.45	100.1	101.45	100.3	100.17	100.05	99.67	98.6	97.3
4	97.15	97.0	97.75	98.4	100.15	101.3	100.3	100.15	100.05	99.65	98.55	97.2
5	97.12	97.3	97.75	98.3	100.6	101.05	100.3	100.12	100.05	99.6	98.5	97.1
6	97.15	97.4	97.75	98.2	100.7	100.92	100.3	100.1	100.05	99.57	98.5	97.0
7	97.15	97.42	97.75	98.2	100.72	100.87	100.27	100.1	100.05	99.55	98.4	96.9
8	97.1	97.45	97.77	98.2	100.72	100.8	100.25	100.1	100.05	99.52	98.37	96.8
9	97.05	97.5	97.77	98.3	100.72	100.65	100.22	100.07	100.05	99.5	98.35	96.7
10	97.05	97.5	97.8	98.4	100.7	100.6	100.22	100.05	100.1	99.45	98.32	96.6
11	97.02	97.55	97.8	98.45	100.7	100.55	100.2	100.02	100.07	99.4	98.3	96.5
12	97.02	97.6	97.85	98.7	100.7	100.5	100.2	100.02	100.05	99.37	98.25	96.35
13	97.0	97.6	97.87	98.75	100.85	100.5	100.2	100.0	100.05	99.35	98.2	96.2
14	97.0	97.6	97.9	98.8	101.5	100.5	100.2	100.0	100.02	99.3	98.2	96.1
15	96.97	97.65	97.9	98.85	101.35	100.45	100.2	100.0	100.0	99.3	98.2	95.95
16	96.95	97.67	97.9	98.85	101.3	100.4	100.2	100.0	100.0	99.25	98.2	95.8
17	97.0	97.7	97.9	98.9	101.1	100.3	100.25	100.0	100.0	99.2	98.35	95.7
18	97.02	97.72	97.9	98.9	100.9	100.3	100.3	100.1	99.97	99.15	98.3	95.55
19	97.05	97.77	97.92	98.95	100.8	100.3	100.35	100.2	99.95	99.1	98.27	95.35
20	97.02	97.77	97.92	99.1	100.7	100.3	100.37	100.3	99.92	99.1	98.2	95.15
21	96.97	97.8	97.95	99.6	100.6	100.4	100.37	100.35	99.9	99.05	98.12	94.95
22	96.92	97.77	97.97	99.7	100.8	100.4	100.37	100.37	99.87	99.0	98.07	94.7
23	96.9	97.77	97.97	99.8	101.0	100.4	100.37	100.37	99.85	99.0	98.0	94.5
24	96.87	97.77	98.0	99.9	101.0	100.4	100.4	100.37	99.82	98.95	97.95	94.3
25	96.85	97.77	98.3	99.95	100.9	100.4	100.37	100.3	99.8	98.92	98.0	94.0
26	96.82	97.77	98.4	100.0	100.8	100.4	100.37	100.27	99.77	98.9	97.95	93.85
27	96.8	97.77	98.4	100.0	100.65	100.4	100.35	100.25	99.75	98.85	97.87	93.6
28	96.77	97.77	98.4	100.0	100.6	100.4	100.32	100.2	99.72	98.8	97.85	93.55
29	96.75	97.75	98.4	100.1	.....	100.37	100.3	100.15	99.72	98.75	97.8	93.55
30	96.75	97.75	98.4	100.1	.....	100.35	100.25	100.15	99.72	98.72	97.7	93.55
31	96.75	.....	98.42	100.1	.....	100.35	.....	100.1	.....	98.7	97.6	.....
1900-01												
1	93.55	93.47	93.8	94.75	95.5	95.7	100.4	100.65	100.75	100.1	99.95	100.7
2	93.55	93.45	93.8	94.8	95.5	95.7	100.5	100.65	100.7	100.1	99.95	100.65
3	93.55	93.42	93.8	94.85	95.5	95.7	100.6	100.65	100.65	100.1	99.95	100.55
4	93.55	93.42	93.85	94.85	95.5	95.7	100.85	100.65	100.65	100.1	99.95	100.5
5	93.55	93.4	94.05	94.85	95.5	95.8	101.0	100.55	100.6	100.1	99.9	100.5
6	93.55	93.35	94.25	94.85	95.5	95.8	101.0	100.55	100.5	100.15	99.9	100.45
7	93.55	93.35	94.3	94.9	95.5	95.8	101.25	100.55	100.5	100.15	100.3	100.4
8	93.55	93.25	94.35	94.9	95.5	95.9	101.25	100.5	100.6	100.2	100.55	100.3
9	93.55	93.25	94.4	94.9	95.5	95.9	101.2	100.5	100.55	100.2	100.5	100.25
10	93.55	93.25	94.4	94.95	95.5	95.9	101.1	100.45	100.5	100.2	100.45	100.23
11	93.55	93.25	94.4	94.95	95.5	96.2	101.0	100.6	100.5	100.2	100.4	100.25
12	93.55	93.25	94.45	95.05	95.5	96.8	100.9	100.8	100.4	100.2	100.4	100.2
13	93.55	93.25	94.45	95.15	95.5	96.9	100.8	100.8	100.35	100.2	100.4	100.2
14	93.55	93.25	94.45	95.2	95.5	97.1	100.72	100.8	100.35	100.2	100.35	100.2
15	93.55	93.25	94.5	95.25	95.6	97.2	100.6	100.75	100.35	100.2	100.3	100.2
16	93.55	93.25	94.5	95.3	95.6	97.3	100.55	100.7	100.32	100.15	100.25	100.2
17	93.55	93.25	94.5	95.3	95.6	97.4	100.52	100.65	100.3	100.15	100.2	100.2
18	93.55	93.25	94.5	95.3	95.6	97.45	100.5	100.6	100.3	100.15	100.8	100.2
19	93.55	93.25	94.5	95.3	95.7	97.5	100.5	100.55	100.27	100.15	100.8	100.2
20	93.55	93.25	94.5	95.3	95.7	97.6	100.45	100.5	100.25	100.15	100.8	100.2
21	93.55	93.25	94.5	95.3	95.7	97.9	100.85	100.5	100.22	100.05	100.7	100.15
22	93.55	93.25	94.55	95.3	95.7	98.9	101.4	100.5	100.2	100.05	100.7	100.15
23	93.55	93.25	94.55	95.3	95.7	99.1	101.3	100.5	100.2	100.05	100.7	100.15
24	93.5	93.25	94.55	95.3	95.7	99.3	101.3	100.45	100.2	100.0	100.7	100.15
25	93.5	93.3	94.55	95.4	95.7	99.4	101.3	100.45	100.2	100.0	101.35	100.15
26	93.5	93.5	94.55	95.5	95.7	99.6	101.2	100.45	100.2	100.0	101.3	100.15
27	93.5	93.65	94.55	95.5	95.7	99.85	101.1	100.5	100.2	99.95	101.2	100.15
28	93.5	93.7	94.55	95.5	95.7	100.0	101.0	100.5	100.15	99.95	101.1	100.15
29	93.5	93.8	94.55	95.5	.....	100.1	100.9	100.55	100.15	99.95	100.95	100.15
30	93.5	93.8	94.6	95.5	.....	100.2	100.8	100.75	100.1	99.95	100.9	100.2
31	93.47	.....	94.7	95.5	.....	100.3	.....	100.75	.....	99.95	100.6	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1901-2												
1	100.05	99.35	98.65	101.3	100.55	101.85	100.45	100.45	100.4	100.15	100.5	99.9
2	99.95	99.35	98.65	100.95	100.55	102.37	100.45	100.45	100.4	100.15	100.45	99.85
3	99.85	99.35	98.65	100.85	100.55	102.37	100.45	100.45	100.35	100.15	100.45	99.8
4	99.85	99.35	98.65	100.85	100.55	102.37	100.45	100.45	100.35	100.15	100.45	99.77
5	99.85	99.35	98.65	100.75	100.55	101.55	100.4	100.45	100.3	100.15	100.4	99.75
6	99.85	99.35	98.65	100.65	100.55	101.25	100.35	100.4	100.3	100.1	100.35	99.75
7	99.85	99.3	98.65	100.65	100.55	101.15	100.4	100.4	100.25	100.05	100.3	99.7
8	99.8	99.3	98.65	100.55	100.55	100.95	100.45	100.35	100.25	100.05	100.3	99.65
9	99.75	99.3	98.6	100.45	100.55	100.95	100.65	100.3	100.2	100.05	100.3	99.6
10	99.75	99.3	98.55	100.35	100.55	101.05	100.75	100.25	100.2	100.0	100.35	99.6
11	99.75	99.25	98.55	100.3	100.55	101.15	100.75	100.25	100.1	100.0	100.35	99.6
12	99.7	99.15	98.55	100.25	-00.55	101.15	100.8	100.2	100.1	100.0	100.35	99.6
13	99.7	99.1	98.55	100.25	100.55	101.25	100.65	100.2	100.05	100.0	100.35	99.6
14	99.75	99.05	98.85	100.25	100.55	101.25	100.6	100.2	100.05	100.0	100.35	99.6
15	99.8	99.05	100.55	100.25	100.55	101.2	100.55	100.2	100.05	100.0	100.45	99.55
16	99.8	99.0	100.55	100.25	100.55	100.95	100.5	100.15	100.05	100.0	100.45	99.5
17	99.8	98.95	100.55	100.25	100.55	101.1	100.45	100.15	100.05	99.95	100.45	99.45
18	99.8	98.9	100.55	100.45	100.55	101.05	100.45	100.15	100.05	99.95	100.35	99.45
19	99.75	98.85	100.55	100.65	100.55	100.95	100.4	100.15	100.0	99.9	100.35	99.45
20	99.7	98.8	100.55	100.65	100.55	100.85	100.35	100.25	100.0	99.9	100.3	99.45
21	99.7	98.75	100.55	100.85	100.55	100.75	100.3	100.3	100.0	99.9	100.25	99.45
22	99.7	98.65	100.55	100.95	100.55	100.65	100.3	100.35	100.0	99.9	100.2	99.45
23	99.65	98.65	100.55	100.9	100.55	100.65	100.3	100.35	100.05	99.85	100.15	99.45
24	99.6	98.65	100.55	100.85	100.55	100.6	100.25	100.35	100.05	99.9	100.15	99.5
25	99.6	98.65	100.55	100.75	100.55	100.55	100.25	100.45	100.05	99.95	100.15	99.5
26	99.55	98.65	100.55	100.75	100.55	100.5	100.25	100.45	100.05	99.95	100.05	99.55
27	99.55	98.65	100.55	100.65	100.45	100.5	100.25	100.45	100.05	100.05	100.05	99.55
28	99.55	98.65	100.65	100.65	100.45	100.5	100.2	100.45	100.15	100.05	99.95	99.65
29	99.5	98.65	100.65	100.65	.....	100.5	100.15	100.45	100.15	100.05	99.95	99.75
30	99.45	98.65	101.15	100.65	.....	100.5	100.35	100.45	100.15	100.1	99.95	99.75
31	99.4	.....	101.3	100.65	.....	100.5	.....	100.4	.....	100.15	99.95	.....
1902-3												
1	99.85	100.4	100.1	101.05	100.75	100.65	100.65	100.55	100.05	100.9	100.35	99.65
2	99.9	100.4	100.05	101.05	100.75	100.65	100.75	100.5	100.05	100.9	100.35	99.65
3	99.95	100.35	100.05	101.05	100.75	100.65	100.85	100.45	100.05	100.9	100.25	99.65
4	100.25	100.35	100.05	101.05	100.75	100.65	100.85	100.45	100.15	100.9	100.25	99.65
5	100.55	100.35	100.05	101.05	100.75	100.65	100.85	100.4	100.15	100.85	100.15	99.65
6	100.55	100.35	100.05	101.05	100.75	100.65	100.85	100.35	100.15	100.75	100.15	99.65
7	100.55	100.35	100.05	101.05	100.75	100.65	100.85	100.3	100.15	100.75	100.15	99.65
8	100.5	100.3	100.05	101.05	100.75	100.65	100.85	100.25	100.15	100.75	100.15	99.65
9	100.45	100.3	100.25	101.05	100.75	100.65	100.85	100.2	100.25	100.65	100.05	99.65
10	100.45	100.25	100.45	101.0	100.75	100.65	100.85	100.2	100.25	100.65	100.05	99.55
11	100.55	100.25	100.55	101.0	100.75	100.65	100.85	100.1	100.25	100.65	100.05	99.55
12	100.65	100.2	100.55	100.05	100.7	100.65	100.85	100.05	100.35	100.55	99.95	99.55
13	100.75	100.2	100.55	100.05	100.7	100.65	100.85	99.95	100.45	100.55	99.95	99.55
14	100.75	100.2	100.55	100.05	100.7	100.65	100.9	99.95	100.45	100.45	99.95	99.55
15	100.75	100.2	100.55	100.05	100.7	100.65	100.9	99.95	100.55	100.45	99.95	99.55
16	100.75	100.15	100.55	100.05	100.7	100.65	100.9	99.95	100.55	100.45	99.95	99.55
17	100.75	100.15	100.55	100.05	100.7	100.65	100.95	100.05	100.55	100.45	99.95	99.55
18	100.75	100.15	100.85	100.05	100.7	100.65	100.95	100.05	100.55	100.45	99.95	99.55
19	100.75	100.1	101.45	100.05	100.7	100.65	100.9	100.05	100.65	100.45	99.95	99.55
20	100.7	100.1	101.45	100.05	100.65	100.65	100.9	100.05	100.75	100.45	99.85	99.55
21	100.65	100.1	101.45	100.05	100.65	100.65	100.85	100.05	100.75	100.45	99.85	99.65
22	100.65	100.1	101.45	100.9	100.65	100.65	100.8	100.05	100.75	100.45	99.85	99.65
23	100.65	100.1	101.45	100.9	100.65	100.65	100.75	100.05	100.85	100.45	99.85	99.65
24	100.6	100.1	101.35	100.9	100.65	100.65	100.65	100.05	100.85	100.45	99.85	99.65
25	100.6	100.1	101.25	100.9	100.65	100.65	100.65	100.05	100.85	100.45	99.85	99.65
26	100.6	100.1	101.15	100.9	100.65	100.65	100.65	100.05	100.85	100.45	99.75	99.75
27	100.6	100.1	101.05	100.9	100.65	100.65	100.6	100.05	100.85	100.45	99.75	99.85
28	100.55	100.1	101.05	100.85	100.65	100.65	100.55	100.05	100.85	100.35	99.75	99.85
29	100.55	100.1	101.05	100.85	.....	100.65	100.55	100.05	100.85	100.35	99.65	99.85
30	100.5	100.1	101.05	100.75	.....	100.65	100.55	100.05	100.9	100.35	99.65	99.85
31	100.45	.....	101.1	100.75	.....	100.65	.....	100.05	.....	100.35	99.65	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Day	Oct.	Nov.	Day	Oct.	Nov.
1903			1903			1903		
1	99.85	100.25	11	.....	99.95	21	100.65	.....
2	99.85	100.25	12	.....	99.95	22	100.65	.....
3	99.85	100.25	13	.....	100.1	23	100.65	.....
4	99.85	100.25	14	.....	100.1	24	100.65	.....
5	99.85	100.25	15	100.95	100.1	25	100.55	.....
6	99.85	100.25	16	100.85	100.1	26	100.45	.....
7	99.85	99.95	17	100.85	.....	27	100.45	.....
8	100.45	99.95	18	100.85	.....	28	100.45	.....
9	.....	99.95	19	100.85	.....	29	100.45	.....
10	.....	99.95	20	100.85	.....	30	100.45	.....
						31	100.35	.....

Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.
1907					1907				
1	100.15	100.0	99.45	98.25	16	100.25	99.95	.....	98.45
2	100.15	.....	99.35	98.25	17	100.25	.....	98.85	98.45
3	100.35	100.0	99.35	98.3	18	.....	99.85	98.85	98.45
4	100.4	100.0	99.25	.....	19	100.15	99.85	98.75	98.45
5	100.4	99.95	99.25	98.35	20	100.15	99.85	98.75	98.45
6	100.45	99.95	99.15	98.35	21	100.15	.....	98.65	.....
7	100.45	99.95	99.15	98.35	22	100.15	99.75	.....	98.55
8	100.4	99.95	99.15	.....	23	100.15	99.75	.....	98.55
9	.....	.....	99.05	98.35	24	.....	99.75	.....	99.65
10	100.35	99.95	99.05	98.35	25	100.05	99.65	.....	99.95
11	100.35	99.95	99.05	98.45	26	100.05	99.65	.....	100.05
12	100.25	.....	98.95	98.45	27	.....	99.6	98.55	100.0
13	100.25	99.95	98.95	98.45	28	100.05	99.55	.....	100.25
14	100.25	99.95	.....	98.45	29	100.05	99.5	98.45	100.4
15	100.25	99.95	98.85	98.45	30	100.15	99.45	98.35	100.55
					31	.....	99.45	98.35	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1907-8												
1	100.6	.....	100.4	100.65	.....	.....	100.55	100.65	100.75	100.05	.....	98.95
2	100.55	100.95	100.35	100.65	.....	.....	100.45	100.65	.....	.....	99.45	.....
3	100.45	101.15	100.35	100.65	.....	.....	100.45	.....	100.75	100.05	95.45	98.85
4	100.45	.....	100.35	100.65	.....	.....	100.45	100.55	100.65	100.05	99.45	98.85
5	.....	.....	100.35	.....	.....	100.45	.....	100.55	100.65	.....	99.35	98.85
6	100.45	100.85	.....	100.65	.....	100.45	100.45	100.45	100.65	100.05	99.35	98.75
7	100.45	101.25	100.35	100.65	.....	100.45	100.35	.....	100.65	.....	.....	.....
8	100.6	101.35	100.35	100.65	.....	.....	100.35	100.25	100.65	99.95	99.35	98.75
9	100.75	.....	100.35	.....	.....	100.45	100.35	100.25	100.65	99.95	99.35	98.65
10	100.75	101.05	100.35	100.65	.....	100.45	.....	.....	100.65	99.95	99.35	98.65
11	100.65	100.95	100.35	.....	.....	100.45	100.35	101.05	100.55	.....	.....	98.65
12	100.65	100.85	.....	100.75	.....	100.55	100.35	101.05	.....	.....	99.25	.....
13	.....	100.75	100.4	101.05	.....	100.55	100.25	.....	100.55	99.85	99.25	98.55
14	100.55	.....	100.4	101.05	.....	100.65	100.25	100.85	100.55	99.85	.....	98.55
15	100.45	100.55	100.4	101.0	.....	.....	.....	.....	.....	99.85	99.25	98.55
16	100.4	100.5	100.4	100.95	.....	.....	100.25	100.75	100.45	.....	99.25	98.55
17	100.35	100.45	100.4	100.85	.....	100.75	100.25	100.65	100.45	99.85	99.25	98.45
18	100.35	.....	.....	100.85	.....	100.75	100.25	100.55	.....	99.75	.....	98.45
19	100.25	.....	100.45	.....	.....	100.75	.....	100.45	100.45	.....	99.25	.....
20	100.25	100.45	100.45	100.85	.....	100.75	100.15	.....	.....	99.75	99.15	98.35
21	100.2	100.45	100.45	100.65	.....	100.75	100.15	100.45	100.35	99.75	99.15	98.35
22	100.15	100.4	100.5	100.65	.....	.....	100.15	.....	100.35	99.75	.....	98.35
23	100.15	.....	100.5	100.55	.....	100.75	100.15	100.65	.....	99.65	.....	98.25
24	100.05	100.35	100.55	100.55	.....	100.65	100.15	100.75	100.35	.....	99.15	.....
25	100.05	.....	.....	100.45	.....	100.65	100.15	100.75	.....	99.65	99.15	98.25
26	.....	100.35	100.55	100.35	.....	100.65	100.15	100.65	100.25	99.65	.....	98.25
27	100.35	100.4	100.55	100.35	.....	100.65	.....	100.55	100.25	99.55	99.05	98.15
28	100.55	100.45	100.6	100.35	.....	100.65	100.15	100.55	.....	.....	99.05	.....
29	101.15	100.45	100.65	.....	.....	.....	100.15	100.45	100.15	99.55	.....	98.15
30	101.15	100.4	.....	100.25	.....	100.55	100.15	100.65	100.05	.....	99.05	.....
31	101.05	.....	100.65	100.25	.....	100.55	.....	.....	.....	99.45	.....	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1908-9												
1	98.05	.....	96.35	.....	98.35	100.75	100.65	100.85	100.25	99.95	98.45	98.05
2	.....	97.05	96.35	.....	98.35	100.75	100.65	100.95	100.25	99.85	98.45	97.95
3	97.95	97.05	.....	.....	98.35	100.65	100.55	100.95	100.15	99.85	98.35	97.95
4	97.95	.....	.....	.....	98.35	100.65	100.65	100.85	100.15	99.75	98.35	97.95
5	97.85	96.95	96.25	.....	98.35	100.65	100.55	100.85	100.15	99.75	98.25	97.85
6	97.85	96.95	.....	.....	98.45	100.55	100.55	100.75	100.15	99.65	98.25	97.85
7	97.85	96.95	96.25	.....	98.55	100.55	100.45	100.65	100.15	99.55	98.15	97.85
8	97.75	96.85	96.35	.....	98.55	100.45	100.45	100.65	100.15	99.55	98.15	97.75
9	.....	.....	96.35	.....	98.55	100.45	100.45	100.55	100.15	99.55	98.05	97.75
10	97.75	96.85	.....	.....	98.65	100.45	100.35	100.55	100.15	99.45	98.05	97.75
11	97.65	96.85	.....	.....	98.85	100.45	100.35	100.55	100.15	99.35	97.95	97.75
12	97.65	96.85	96.35	.....	98.95	100.45	100.35	100.55	100.05	99.35	97.95	97.75
13	97.65	96.85	96.35	.....	99.15	100.45	100.35	100.45	100.05	99.25	97.85	97.65
14	97.55	.....	.....	.....	99.25	100.45	100.55	100.45	100.05	99.05	97.85	97.65
15	97.55	96.75	.....	.....	99.35	100.45	101.05	100.45	100.05	98.95	97.85	97.65
16	97.45	96.75	.....	97.75	99.45	100.45	101.15	100.45	100.05	98.95	97.95	97.65
17	.....	.....	96.35	97.75	99.65	100.45	101.05	100.45	100.05	98.95	98.05	97.65
18	97.45	.....	96.35	97.75	99.75	100.45	100.95	100.45	100.05	98.85	98.15	97.55
19	97.35	.....	.....	97.75	99.85	100.35	100.85	100.35	100.15	98.85	98.15	97.55
20	97.35	96.65	.....	97.75	100.55	100.35	101.05	100.35	100.15	98.75	98.15	97.55
21	97.35	.....	.....	97.85	100.65	100.35	100.95	100.35	100.15	98.65	98.25	97.55
22	97.35	96.65	.....	97.95	100.75	100.35	100.95	100.25	100.15	98.55	98.25	97.55
23	97.25	96.65	.....	98.05	100.85	100.25	100.85	100.35	100.15	98.65	98.25	97.55
24	97.25	.....	96.35	98.15	100.85	100.25	100.95	100.35	100.15	98.75	98.25	97.55
25	97.25	96.55	.....	98.15	101.15	100.65	100.85	100.35	100.05	98.75	98.25	97.55
26	97.25	.....	.....	98.15	101.05	101.05	100.75	100.25	100.05	98.65	98.25	97.55
27	97.25	96.55	.....	98.15	100.95	101.05	100.65	100.25	100.05	98.65	98.25	97.55
28	97.25	96.45	.....	98.25	100.85	100.95	100.65	100.25	100.05	98.55	98.25	97.45
29	97.25	.....	96.45	98.25	.....	100.85	100.65	100.25	99.95	98.55	98.15	97.45
30	97.25	96.35	.....	98.35	.....	100.75	100.75	100.25	99.95	98.45	98.15	97.45
31	.....	.....	.....	98.35	.....	100.65	.....	100.15	.....	98.45	98.05	.....
1909-10												
1	97.4	96.8	96.0	97.4	100.4	101.2	100.3	100.9	100.3	100.1	99.3	98.2
2	97.4	96.8	96.0	97.4	100.4	101.3	100.3	100.8	100.3	100.1	99.3	98.3
3	97.4	96.7	96.0	97.4	100.4	101.3	100.3	100.8	100.3	100.1	99.2	98.3
4	97.4	96.7	96.0	97.4	100.4	101.2	100.3	100.7	100.2	100.1	99.2	98.4
5	97.4	96.7	96.0	97.4	100.3	101.1	100.3	100.6	100.2	100.0	99.1	98.4
6	97.3	96.6	95.9	97.4	100.3	101.0	100.3	100.6	100.3	100.0	99.1	98.4
7	97.3	96.6	95.9	97.4	100.3	101.0	100.3	100.6	100.3	100.0	99.1	98.3
8	97.3	96.6	95.9	97.5	100.3	101.0	100.3	100.5	100.3	99.9	99.0	98.3
9	97.3	96.5	95.9	97.6	100.3	100.9	100.2	100.5	100.3	99.9	99.0	98.3
10	97.3	96.5	95.9	97.7	100.3	100.8	100.2	100.5	100.3	99.9	98.9	98.3
11	97.3	96.4	95.9	97.7	100.3	100.7	100.2	100.4	100.3	99.9	98.9	98.3
12	97.3	96.4	95.9	97.7	100.3	100.6	100.1	100.4	100.3	99.8	98.8	98.2
13	97.2	96.3	96.1	97.7	100.3	100.6	100.1	100.4	100.2	99.8	98.8	98.2
14	97.2	96.2	96.6	97.8	100.3	100.6	100.1	100.3	100.2	99.7	98.8	98.2
15	97.2	96.2	96.8	97.8	100.3	100.6	100.1	100.3	100.2	99.7	98.7	98.2
16	97.2	96.2	96.9	97.9	100.3	100.5	100.1	100.3	100.3	99.7	98.7	98.1
17	97.1	96.2	97.0	97.9	100.3	100.5	100.0	100.3	100.3	99.7	98.6	98.1
18	97.1	96.1	97.0	98.0	100.4	100.5	100.1	100.2	100.4	99.6	98.6	98.1
19	97.1	96.1	97.1	98.1	100.4	100.4	100.6	100.2	100.4	99.6	98.6	98.0
20	97.2	96.1	97.1	98.3	100.5	100.4	100.7	100.2	100.4	99.5	98.5	97.9
21	97.1	96.0	97.1	98.8	100.5	100.4	100.7	100.2	100.3	99.5	98.5	97.9
22	97.1	96.0	97.2	100.0	100.8	100.4	100.7	100.2	100.3	99.5	98.5	97.9
23	97.1	96.0	97.2	100.1	100.8	100.4	100.7	100.2	100.3	99.5	98.5	97.8
24	97.1	95.9	97.3	100.1	100.7	100.4	100.7	100.2	100.3	99.4	98.4	97.8
25	97.1	95.9	97.3	100.2	100.6	100.3	100.8	100.2	100.2	99.4	98.4	97.8
26	97.1	95.9	97.4	100.2	100.6	100.3	101.4	100.3	100.2	99.4	98.4	97.7
27	96.9	96.0	97.4	100.3	100.6	100.3	101.3	100.4	100.2	99.3	98.4	97.7
28	96.9	96.0	97.4	100.3	100.8	100.3	101.3	100.4	100.2	99.3	98.4	97.7
29	96.8	.....	97.4	100.4	.....	100.3	101.2	100.4	100.1	99.3	98.3	97.6
30	96.8	96.0	97.4	100.4	.....	100.3	101.1	100.3	100.1	99.3	98.3	97.6
31	96.8	.....	97.4	100.4	.....	100.3	.....	100.3	.....	99.2	98.3	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1910-11												
1	97.5	96.4	96.9	97.4	99.0	100.0	100.7	100.3	100.0	100.2	99.6	100.4
2	97.5	96.3	96.9	97.4	99.1	100.0	100.7	100.3	99.9	100.2	99.6	100.9
3	97.4	96.4	96.9	97.8	99.1	100.0	100.6	100.3	99.9	100.1	99.6	100.8
4	97.4	96.5	96.9	98.0	99.1	100.0	100.6	100.3	99.9	100.1	99.6	100.8
5	97.4	96.7	96.9	98.1	99.3	100.1	100.7	100.3	99.9	100.1	99.5	100.7
6	97.3	96.8	96.9	98.2	99.4	100.1	100.7	100.2	99.8	100.1	99.5	100.7
7	97.3	96.8	96.9	98.3	99.4	100.1	100.7	100.2	99.8	100.1	99.5	100.5
8	97.2	96.8	96.9	98.4	99.4	100.1	100.6	100.2	99.9	100.1	99.5	100.5
9	97.2	96.8	96.9	98.4	99.4	100.2	100.6	100.2	99.9	100.0	99.4	100.5
10	97.1	96.8	96.9	98.4	99.5	100.2	100.6	100.2	99.9	100.0	99.4	100.5
11	97.1	96.8	96.9	98.4	99.5	100.2	100.6	100.2	100.0	100.0	99.4	100.4
12	97.0	96.8	96.9	98.4	99.5	100.2	100.6	100.1	100.2	100.0	99.3	100.4
13	97.0	96.8	96.9	98.5	99.5	100.3	100.5	100.1	100.4	99.9	99.3	100.4
14	96.9	96.8	96.9	98.5	99.6	100.3	100.5	100.1	100.9	99.9	99.3	100.3
15	96.9	96.8	96.9	98.8	99.6	100.3	100.5	100.1	100.8	99.9	99.3	100.3
16	96.9	96.8	96.9	98.8	99.6	100.4	100.5	100.1	100.8	99.9	99.3	100.3
17	96.8	96.8	96.9	98.8	99.7	100.4	100.5	100.1	100.7	99.8	99.2	100.3
18	96.8	96.8	96.9	98.8	99.7	100.4	100.4	100.1	100.6	99.8	99.2	100.2
19	96.7	96.8	96.9	98.8	99.8	100.4	100.4	100.1	100.5	99.8	99.2	100.2
20	96.7	96.8	96.9	98.9	99.8	100.3	100.5	100.1	100.4	99.8	99.2	100.2
21	96.6	96.8	96.9	98.9	99.8	100.3	100.6	100.1	100.4	99.8	99.2	100.2
22	96.6	96.8	96.9	98.9	99.9	100.3	100.6	100.1	100.3	99.8	99.2	100.2
23	96.6	97.1	96.9	98.9	99.9	100.4	100.6	100.1	100.3	99.8	99.1	100.1
24	96.6	97.1	97.0	99.0	99.9	100.4	100.5	100.0	100.3	99.8	99.1	100.1
25	96.5	97.1	97.1	99.0	99.9	100.4	100.5	100.0	100.3	99.8	99.1	100.1
26	96.5	97.0	97.1	99.0	100.0	100.4	100.5	100.0	100.2	99.7	99.1	100.1
27	96.5	97.0	97.1	99.1	100.0	100.4	100.4	100.0	100.2	99.7	99.1	100.1
28	96.5	97.0	97.2	99.1	100.0	100.5	100.4	99.9	100.1	99.7	99.3	100.1
29	96.4	96.9	97.2	99.1	.....	100.5	100.4	99.9	100.1	99.7	100.0	100.1
30	96.4	96.9	97.3	99.1	.....	100.6	100.3	99.9	100.1	99.6	100.2	100.1
31	96.4	.....	97.3	99.0	.....	100.7	.....	99.9	.....	99.6	100.4	.....
1911-12												
1	100.05	100.45	100.45	100.45	100.05	100.65	100.85	100.45	100.35	99.75	98.85	99.15
2	100.15	100.45	100.45	100.35	100.05	100.55	100.85	100.45	100.35	99.75	98.85	99.15
3	100.15	100.35	100.45	100.35	100.05	100.55	100.75	100.45	100.35	99.75	98.85	99.25
4	100.15	100.35	100.45	100.35	100.05	100.55	100.75	100.45	100.25	99.65	98.75	99.25
5	100.05	100.35	100.35	100.25	100.05	100.45	100.75	100.35	100.25	99.65	98.75	99.25
6	100.05	100.35	100.35	100.25	100.05	100.45	100.65	100.35	100.25	99.65	98.75	99.25
7	100.05	100.35	100.35	100.25	100.05	100.35	100.75	100.45	100.25	99.65	98.65	99.15
8	100.15	100.25	100.35	100.25	99.95	100.35	100.55	100.55	100.25	99.55	98.65	99.15
9	100.15	100.25	100.25	100.25	99.95	100.35	100.55	100.65	100.15	99.55	98.65	99.15
10	100.15	100.25	100.25	100.15	99.95	100.35	100.55	100.65	100.15	99.55	98.65	99.25
11	100.15	100.25	100.25	100.15	99.85	.....	100.45	100.55	100.15	99.45	98.95	99.25
12	100.25	100.25	100.25	100.15	99.85	100.25	100.45	100.55	100.15	99.45	99.05	99.25
13	100.25	100.35	100.25	100.15	99.85	100.75	100.45	100.55	100.05	99.45	99.05	99.35
14	100.25	100.35	100.25	100.05	99.85	100.85	100.35	100.45	100.05	99.35	99.05	99.35
15	100.15	100.35	100.25	100.05	99.85	101.35	100.35	100.45	100.05	99.35	99.05	99.25
16	100.15	100.35	100.35	100.05	99.85	101.35	100.35	100.45	100.05	99.35	99.05	99.25
17	100.15	100.45	100.35	100.05	99.85	101.25	100.35	100.45	100.05	99.35	99.15	99.25
18	100.25	100.45	100.35	100.05	99.75	101.25	100.35	100.45	100.05	99.25	99.15	99.25
19	100.35	100.55	100.35	100.05	99.75	101.15	100.45	100.45	99.95	99.25	99.35	99.35
20	101.05	100.55	100.35	99.95	99.75	101.15	100.45	100.35	99.95	99.25	99.35	99.35
21	101.05	100.55	100.35	99.95	99.85	101.05	100.45	100.35	99.95	99.15	99.35	99.45
22	101.05	100.45	100.35	99.95	100.05	100.85	100.45	100.35	99.95	99.15	99.25	99.45
23	101.05	100.45	100.45	99.95	100.35	100.75	100.45	100.35	99.95	99.15	99.25	99.45
24	101.05	100.45	100.55	99.95	100.45	100.75	100.35	100.35	99.95	99.15	99.25	99.45
25	100.95	100.45	100.55	99.85	100.45	100.75	100.35	100.25	99.85	99.05	99.25	99.55
26	100.85	100.45	100.55	99.85	100.45	100.65	100.35	100.25	99.85	99.05	99.25	99.55
27	100.75	100.55	100.55	99.85	100.55	100.65	100.35	100.25	99.85	99.05	99.25	99.55
28	100.75	100.55	100.55	99.85	100.65	100.65	100.35	100.25	99.85	98.95	99.25	99.45
29	100.65	100.55	100.45	99.85	100.65	100.75	100.45	100.35	99.85	98.95	99.15	99.45
30	100.55	100.45	100.45	99.85	.....	100.75	100.45	100.35	99.75	98.95	99.15	99.45
31	100.45	.....	100.45	99.85	.....	100.85	.....	100.35	.....	98.95	99.15	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1912-13												
1	99.45	99.65	100.25	100.75	100.33	100.35	100.75	100.45	99.95	99.15	98.15	97.25
2	99.45	99.65	100.25	100.75	100.35	100.35	100.75	100.45	99.95	99.15	98.15	97.25
3	99.45	99.75	100.35	100.75	100.35	100.35	100.65	100.45	99.95	99.05	98.05	97.15
4	99.45	99.75	100.35	100.85	100.35	100.35	100.55	100.35	99.85	99.05	98.15	97.15
5	99.45	99.85	100.35	100.85	100.35	100.35	100.45	100.35	99.85	98.95	98.05	97.15
6	99.45	99.95	100.35	100.85	100.25	100.35	100.35	100.25	99.85	98.95	97.95	97.15
7	99.35	100.05	100.45	100.75	100.25	100.35	100.35	100.25	99.85	98.85	97.85	97.15
8	99.35	100.25	100.45	100.85	100.25	100.35	100.25	100.15	99.85	98.85	97.85	97.15
9	99.35	100.25	100.45	100.75	100.25	100.35	100.25	100.15	99.75	98.85	97.75	97.15
10	99.35	100.35	100.35	100.75	100.25	100.35	100.25	100.15	99.75	98.85	97.75	97.05
11	99.25	100.45	100.35	100.65	100.25	100.35	100.45	100.15	99.75	98.75	97.75	97.05
12	99.25	100.45	100.35	100.65	100.25	100.35	100.45	100.05	99.65	98.75	97.75	97.05
13	99.25	100.35	100.35	100.65	100.25	100.45	100.55	99.95	99.65	98.75	97.75	96.95
14	99.25	100.35	100.35	100.65	100.25	100.55	100.55	99.95	99.55	98.75	97.75	96.95
15	99.15	100.35	100.25	100.55	100.15	100.75	100.45	99.95	99.55	98.75	97.65	96.95
16	99.15	100.25	100.25	100.55	100.15	100.85	100.45	99.85	99.55	98.75	97.65	96.95
17	99.15	100.25	100.25	100.55	100.15	100.85	100.45	99.85	99.45	98.75	97.65	96.85
18	99.05	100.25	100.25	100.55	100.15	100.85	100.45	99.85	99.45	98.75	97.55	96.85
19	99.05	100.25	100.25	100.55	100.15	100.75	100.35	99.85	99.45	98.75	97.55	96.85
20	99.05	100.15	100.25	100.45	100.15	100.75	100.35	99.85	99.35	98.65	97.55	96.85
21	98.95	100.15	100.25	100.45	100.15	100.85	100.35	99.75	99.35	98.65	97.45	96.85
22	98.95	100.15	100.25	100.45	100.15	100.85	100.35	99.75	99.35	98.55	97.45	96.95
23	99.05	100.15	100.25	100.45	100.25	100.75	100.35	99.75	99.35	98.55	97.35	96.95
24	99.05	100.15	100.35	100.45	100.25	100.65	100.35	99.85	99.35	98.45	97.35	96.95
25	99.05	100.25	100.35	100.55	100.25	100.65	100.25	99.95	99.25	98.45	97.35	96.95
26	99.15	100.25	100.35	100.55	100.25	100.75	100.25	99.95	99.25	98.35	97.25	96.85
27	99.15	100.25	100.45	100.35	100.35	100.75	100.25	100.05	99.25	98.35	97.25	96.85
28	99.35	100.25	100.45	100.35	100.37	101.55	100.35	100.05	99.25	98.25	97.25	96.85
29	99.45	100.25	100.45	100.35	.....	101.25	100.45	100.05	99.25	98.25	97.25	96.75
30	99.55	100.25	100.45	100.35	.....	101.05	100.45	99.95	99.15	98.15	97.25	96.75
31	99.65	.....	100.65	100.35	.....	100.95	.....	99.95	.....	98.15	97.25	.....
1913-14												
1	96.85	99.05	100.35	100.25	100.55	100.25	101.25	100.75	100.25	100.05	99.85	99.05
2	97.15	99.05	100.25	100.25	100.65	100.25	101.25	100.65	100.25	100.25	99.85	98.95
3	97.15	99.05	100.25	100.35	100.85	100.25	101.15	100.65	100.15	100.25	99.85	98.95
4	97.15	99.05	100.25	100.35	100.85	100.25	101.15	100.55	100.25	100.25	99.85	98.95
5	97.15	99.05	100.25	100.35	100.85	100.25	101.05	100.55	100.25	100.25	99.75	98.85
6	97.15	99.05	100.25	100.35	100.85	100.25	100.85	100.65	100.25	100.15	99.75	98.85
7	97.15	99.15	100.25	100.35	100.85	100.25	100.85	100.65	100.25	100.15	99.75	98.85
8	97.15	99.15	100.25	100.35	100.85	100.25	100.75	100.75	100.25	100.25	99.65	98.75
9	97.15	99.55	100.25	100.35	100.75	100.25	100.85	100.75	100.25	100.25	99.65	98.75
10	97.15	100.25	100.25	100.35	100.75	100.25	100.85	100.75	100.25	100.25	99.65	98.55
11	97.15	100.45	100.25	100.35	100.75	100.25	100.75	100.75	100.25	100.15	99.55	98.55
12	97.35	100.45	100.25	100.35	100.75	100.25	100.65	100.85	100.15	100.15	99.55	98.45
13	97.35	100.45	100.25	100.35	100.55	100.25	100.65	100.85	100.15	100.15	99.55	98.45
14	97.35	100.45	100.25	100.25	100.55	100.25	100.55	100.75	100.15	100.15	99.45	98.35
15	97.35	100.45	100.25	100.25	100.55	100.25	100.55	100.75	100.05	100.15	99.45	98.35
16	97.35	100.45	100.25	100.25	100.55	100.35	100.55	100.75	100.05	100.05	99.45	98.35
17	97.35	100.55	100.15	100.25	100.55	100.35	100.55	100.65	100.05	100.05	99.35	98.25
18	97.35	100.55	100.15	100.25	100.55	100.35	100.65	100.65	100.05	100.05	99.35	98.25
19	97.45	100.55	100.15	100.25	100.55	100.35	100.65	100.55	100.05	100.05	99.35	98.15
20	97.55	100.55	100.15	100.25	100.55	100.35	100.65	100.55	100.05	99.95	99.25	98.15
21	97.65	100.45	100.15	100.25	100.25	100.45	100.55	100.45	100.05	99.95	99.25	98.15
22	97.75	100.45	100.15	100.25	100.25	100.45	100.55	100.45	100.05	99.95	99.25	98.05
23	97.75	100.45	100.15	100.25	100.25	100.45	100.55	100.35	100.15	99.95	99.25	97.95
24	98.15	100.45	100.15	100.25	100.25	100.45	100.55	100.35	100.15	99.95	99.15	97.95
25	98.35	100.35	100.15	100.35	100.25	100.45	100.65	100.25	100.15	99.95	99.15	97.85
26	98.65	100.35	100.15	100.35	100.25	100.55	100.65	100.25	100.15	99.95	99.15	97.85
27	98.75	100.35	100.25	100.35	100.25	100.55	100.75	100.15	100.15	99.95	99.15	97.75
28	98.75	100.35	100.25	100.45	100.25	100.95	100.75	100.15	100.15	99.95	99.05	97.75
29	98.85	100.35	100.25	100.45	.....	101.45	100.75	100.25	100.15	99.95	99.05	97.75
30	98.95	100.35	100.25	100.55	.....	101.35	100.65	100.25	100.05	99.95	99.05	97.65
31	99.05	.....	100.25	100.55	.....	101.25	.....	100.25	.....	99.85	99.05	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-15												
1	97.65	96.75	96.95	98.25	100.45	100.65	100.05	100.25	.....	99.95	100.25	100.05
2	97.55	96.75	96.95	98.25	100.45	100.65	100.05	100.25	.....	99.95	100.25	100.05
3	97.55	96.65	96.95	98.25	100.45	100.65	100.05	100.15	.....	99.95	100.25	99.95
4	97.45	96.65	96.95	98.25	100.55	100.55	100.05	100.15	.....	99.95	100.45	99.95
5	97.45	96.55	97.05	98.25	100.55	100.55	100.05	100.15	.....	100.05	100.65	99.95
6	97.35	96.55	97.15	98.25	100.65	100.45	100.15	100.15	.....	99.95	100.65	99.95
7	97.35	96.45	97.25	98.65	100.65	100.45	100.15	100.15	.....	99.95	100.85	99.95
8	97.35	96.45	97.35	99.25	100.75	100.45	100.15	100.15	.....	99.95	100.85	100.05
9	97.25	96.35	97.45	99.25	100.75	100.35	100.25	100.15	.....	99.95	100.85	100.05
10	97.25	96.35	97.55	99.25	100.65	100.35	100.25	100.15	.....	99.95	100.85	100.05
11	97.25	96.35	97.65	99.25	100.55	100.35	100.35	100.15	.....	99.95	100.75	99.95
12	97.15	96.35	97.75	99.65	100.45	100.35	100.75	100.05	.....	99.95	100.75	100.05
13	97.15	96.25	97.75	100.45	100.45	100.25	100.75	100.05	100.05	100.05	100.65	100.05
14	97.05	96.25	97.85	100.75	100.45	100.25	100.75	100.05	100.05	100.05	100.65	99.95
15	97.05	96.35	97.85	100.75	100.45	100.25	100.75	100.05	100.05	99.95	100.55	99.95
16	97.15	96.55	97.85	100.75	100.65	100.25	100.65	100.05	100.05	99.95	100.45	99.95
17	97.15	96.65	97.85	100.75	100.65	100.25	100.65	100.05	100.05	99.95	100.45	99.85
18	97.05	96.75	97.85	100.75	100.65	100.15	100.55	100.15	100.15	99.95	100.35	99.95
19	97.05	96.75	97.85	101.05	100.55	100.15	100.55	100.15	100.15	100.05	100.35	99.95
20	97.15	96.85	97.95	100.95	100.55	100.15	100.45	100.15	100.05	100.05	100.35	99.85
21	97.15	96.85	97.95	100.95	100.55	100.15	100.45	100.15	100.05	100.05	100.35	99.85
22	97.15	96.85	98.05	100.85	100.45	100.15	100.35	100.15	100.05	99.95	100.45	100.05
23	97.05	96.85	98.05	100.85	100.45	100.15	100.35	100.25	100.05	99.95	100.35	99.95
24	97.05	96.85	98.05	100.75	100.45	100.15	100.35	100.25	99.95	99.95	100.25	99.95
25	97.05	96.85	98.05	100.75	100.75	100.15	100.35	100.25	99.95	99.95	100.25	99.95
26	97.05	96.85	98.05	100.65	100.75	100.15	100.25	100.25	99.95	99.95	100.25	99.95
27	96.95	96.85	98.05	100.65	100.75	100.15	100.25	100.25	99.95	99.95	100.15	99.95
28	96.95	96.85	98.05	100.55	100.65	100.15	100.25	100.15	100.05	99.95	100.05	99.85
29	96.85	96.85	98.15	100.55	.....	100.05	100.25	100.15	99.95	100.05	100.05	99.85
30	96.85	96.85	98.25	100.55	.....	100.05	100.25	100.15	99.95	100.05	100.05	99.85
31	96.75	.....	98.25	100.45	.....	100.05	.....	100.15	.....	100.05	100.05	.....
1915-16												
1	99.75	99.55	99.75	99.85	100.75	100.55	100.75	100.35	100.35	100.35	100.35	99.25
2	99.75	99.55	99.75	99.95	100.75	100.55	100.95	100.35	100.35	100.35	100.35	99.25
3	99.75	99.45	99.75	100.05	100.65	100.65	101.05	100.35	100.35	100.35	100.25	99.15
4	99.75	99.45	99.75	100.15	100.55	100.65	101.05	100.35	100.45	100.25	100.25	99.15
5	99.75	99.35	99.75	100.15	100.55	100.65	101.05	100.35	100.45	100.25	100.15	99.05
6	99.75	99.35	99.65	100.25	100.45	100.65	101.15	100.35	100.35	100.25	100.15	99.05
7	99.75	99.35	99.65	100.25	100.45	100.65	101.15	100.25	100.35	100.25	100.15	99.05
8	99.75	99.25	99.65	100.35	100.45	100.45	101.05	100.25	100.35	100.15	100.15	99.05
9	99.75	99.25	99.64	100.45	100.45	100.45	101.05	100.25	100.45	100.15	100.05	98.95
10	99.75	99.25	99.55	100.55	100.45	100.45	101.05	100.25	100.45	100.15	100.05	98.95
11	99.75	99.25	99.55	100.55	100.35	100.35	100.75	100.25	100.45	100.05	100.05	98.95
12	99.65	99.15	99.45	100.45	100.35	100.35	100.75	100.25	100.45	100.05	99.95	98.95
13	99.65	99.15	99.45	100.45	100.35	100.35	100.65	100.15	100.55	100.05	99.95	98.95
14	99.65	99.15	99.35	100.45	100.35	100.35	100.65	100.15	100.55	100.05	99.95	98.85
15	99.65	99.15	99.25	100.45	100.35	100.35	100.45	100.25	100.55	100.25	99.85	98.85
16	99.55	99.15	99.25	100.55	100.35	100.35	100.45	100.25	100.55	100.25	99.85	98.85
17	99.55	99.15	99.35	100.55	100.35	100.35	100.75	100.25	100.55	100.25	99.75	98.85
18	99.55	99.15	99.35	100.55	100.35	100.35	100.75	100.25	100.55	100.25	99.75	98.75
19	99.55	99.05	99.45	100.55	100.35	100.35	100.75	100.35	100.45	100.25	99.75	98.75
20	99.55	99.15	99.45	100.55	100.35	100.35	100.65	100.35	100.45	100.25	99.65	98.75
21	99.55	99.25	99.45	100.55	100.35	100.35	100.65	100.35	100.45	100.25	99.65	98.65
22	99.55	99.35	99.55	100.55	100.25	100.35	100.65	100.35	100.45	100.25	99.55	98.65
23	99.45	99.45	99.55	100.55	100.25	100.35	100.65	100.35	100.35	100.25	99.55	98.55
24	99.45	99.45	99.55	100.55	100.25	100.35	100.65	100.35	100.35	100.35	99.55	98.55
25	99.45	99.45	99.65	100.65	100.35	100.35	100.55	100.35	100.35	100.35	99.45	98.45
26	99.35	99.45	99.65	100.65	100.35	100.35	100.55	100.35	100.35	100.35	99.35	98.45
27	99.45	99.55	99.65	100.65	100.55	100.45	100.55	100.35	100.35	100.35	99.35	98.45
28	99.55	99.55	99.65	100.75	100.55	100.55	100.55	100.35	100.35	100.45	99.35	98.45
29	99.55	99.65	99.75	100.75	100.55	100.55	100.45	100.55	100.35	100.45	99.25	98.45
30	99.55	99.65	99.75	100.85	.....	100.65	100.45	100.55	100.35	100.45	99.25	98.35
31	99.55	.....	99.75	100.85	.....	100.65	.....	100.55	.....	100.45	99.25	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1916-17						
1	98.35	.....	96.45	98.45	99.85	100.55
2	98.25	.....	96.55	98.35	99.85	100.55
3	98.25	.....	96.55	98.45	99.95	100.55
4	98.25	.....	96.65	98.55	100.05	100.65
5	98.25	.....	96.65	98.55	100.15	100.65
6	98.15	.....	96.65	98.65	100.25	100.75
7	98.15	.....	96.75	98.65	100.35	100.75
8	98.15	.....	96.65	98.65	100.35	100.75
9	98.15	.....	96.65	98.75	100.35	100.95
10	98.15	.....	96.65	98.75	100.35	101.05
11	98.15	.....	96.65	98.65	100.35	101.05
12	98.05	96.85	96.65	98.65	100.35	101.15
13	98.05	96.85	96.65	96.75	100.35	101.25
14	98.05	96.75	96.75	98.75	100.35	101.25
15	98.05	96.75	96.65	98.65	100.35	101.35
16	97.95	96.65	96.65	98.75	100.35	101.35
17	97.95	96.65	96.65	98.75	100.35	101.45
18	97.85	96.55	96.65	98.85	100.35	101.45
19	97.85	96.45	96.65	98.85	100.35	101.45
20	97.85	96.45	96.65	98.85	100.35	101.45
21	97.75	96.35	96.65	98.85	100.35	101.45
22	97.75	96.25	96.85	98.95	100.35	101.45
23	97.75	96.25	96.95	99.05	100.35	101.45
24	97.65	96.35	98.05	99.15	100.35	101.45
25	97.65	96.35	98.15	99.25	100.35	101.55
26	97.65	96.45	98.25	99.35	100.45	101.55
27	97.55	96.45	98.25	99.45	100.45	101.65
28	97.55	96.35	98.25	99.55	100.55	101.75
29	97.45	96.45	98.25	99.65	.....	101.75
30	97.45	96.45	98.35	99.75	.....	101.75
31	97.35	.....	98.35	99.85	.....	101.65

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918									
1	98.3	.....	100.9	100.25	100.5	100.3	100.0	99.2	98.2
2	98.3	.....	100.75	100.25	100.5	100.3	100.0	99.2	98.1
3	98.2	.....	100.75	100.25	100.5	100.2	100.0	99.2	98.1
4	98.2	.....	100.7	100.25	100.5	100.2	99.9	99.1	98.0
5	98.2	.....	100.65	100.25	100.4	100.2	99.9	99.1	98.0
6	98.3	.....	100.65	100.25	100.4	100.2	99.9	99.1	98.0
7	98.3	.....	100.65	100.2	100.4	100.2	99.9	99.0	97.9
8	98.3	.....	100.65	100.2	100.4	100.2	99.9	99.0	97.9
9	98.3	.....	100.6	100.2	100.3	100.2	99.8	99.0	97.9
10	98.3	.....	100.65	100.25	100.3	100.2	99.7	99.0	97.8
11	98.4	.....	100.65	100.3	100.3	100.2	99.7	98.9	97.8
12	98.4	.....	100.65	100.3	100.3	100.2	99.7	99.0	97.7
13	98.4	99.3	100.6	100.3	100.3	100.2	99.7	99.0	97.7
14	98.4	99.3	100.6	100.4	100.3	100.2	99.7	99.0	97.7
15	98.4	99.5	100.6	100.4	100.3	100.2	99.7	99.0	97.7
16	98.3	99.6	100.6	100.5	100.3	100.2	99.6	98.9	97.6
17	98.3	99.7	100.55	100.5	100.3	100.2	99.6	98.9	97.6
18	98.4	99.7	100.55	100.6	100.25	100.2	99.6	98.9	97.6
19	98.4	99.8	100.5	100.6	100.25	100.1	99.6	98.8	97.6
20	98.5	100.2	100.5	100.6	100.2	100.1	99.5	98.8	97.6
21	98.5	100.7	100.5	100.7	100.2	100.1	99.5	98.8	97.6
22	98.6	100.7	100.45	100.8	100.3	100.1	99.5	98.7	97.5
23	98.6	100.7	100.4	100.8	100.3	100.1	99.4	98.7	97.5
24	98.6	100.7	100.4	100.8	100.3	100.1	99.4	98.6	97.5
25	98.7	100.7	100.4	100.8	100.25	100.1	99.4	98.6	97.5
26	98.7	100.8	100.4	100.7	100.3	100.1	99.3	98.5	97.5
27	98.7	101.0	100.4	100.65	100.3	100.1	99.3	98.5	97.4
28	98.8	100.95	100.3	100.6	100.2	100.0	99.3	98.4	97.4
29	98.8	.....	100.3	100.6	100.2	100.0	99.3	98.3	97.4
30	.....	.....	100.3	100.6	100.3	100.0	99.2	98.3	97.4
31	.....	.....	100.3	.....	100.3	.....	99.2	98.2	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-19												
1	97.3	96.7	96.5	98.0	99.3	100.5	100.6	100.2	100.3	99.9	100.4	99.9
2	97.3	96.6	96.5	98.1	99.3	100.6	100.6	100.3	100.3	99.9	100.4	100.0
3	97.3	96.6	96.5	98.3	99.3	100.7	100.5	100.4	100.3	99.9	100.3	100.1
4	97.3	96.6	96.4	98.5	99.3	100.7	100.5	100.4	100.2	99.7	100.2	100.3
5	97.2	96.6	96.4	98.6	99.4	100.6	100.5	100.3	100.2	99.7	100.2	100.3
6	97.2	96.5	96.4	98.6	99.4	100.6	100.4	100.3	100.2	99.7	100.2	100.3
7	97.2	96.5	96.4	98.6	99.4	100.6	100.4	100.3	100.1	99.7	100.2	100.3
8	97.2	96.5	96.4	98.6	99.3	100.5	100.4	100.3	100.1	99.6	100.2	100.2
9	97.2	96.5	96.4	98.6	99.3	100.7	100.4	100.3	100.1	99.6	100.2	100.2
10	97.1	96.4	96.4	98.7	99.3	100.8	100.4	100.4	100.1	99.6	100.2	100.2
11	87.1	96.4	96.4	98.7	99.3	100.8	100.3	100.5	100.1	99.5	100.1	100.2
12	97.1	96.4	96.5	98.7	99.3	100.8	100.4	100.5	100.1	99.5	100.1	100.2
13	97.1	96.4	96.5	98.7	99.4	100.7	100.4	100.5	100.0	99.5	100.1	100.2
14	97.0	96.3	96.5	98.7	99.4	100.7	100.4	100.5	100.0	99.4	100.1	100.1
15	97.0	96.3	96.7	98.8	99.5	100.6	100.4	100.5	100.0	99.4	100.1	100.1
16	97.0	96.3	96.8	98.8	99.7	100.6	100.5	100.4	100.0	99.3	100.1	100.1
17	96.9	96.3	97.0	98.8	99.8	100.5	100.5	100.4	100.0	99.3	100.1	100.1
18	96.9	96.4	97.0	98.8	99.8	100.6	100.6	100.5	100.0	99.3	100.1	100.0
19	96.9	96.5	97.0	98.9	99.8	100.6	100.6	100.5	100.0	99.3	100.2	100.0
20	96.9	96.5	97.0	98.9	99.8	100.6	100.5	100.5	99.9	99.3	100.2	100.0
21	96.8	96.5	97.0	98.9	99.8	100.6	100.5	100.5	99.9	99.4	100.2	99.9
22	96.8	96.5	97.0	98.9	99.9	100.5	100.5	100.5	99.9	100.4	100.2	99.9
23	96.8	96.5	97.2	98.9	99.9	100.5	100.4	100.5	99.9	100.5	100.1	99.9
24	96.8	96.5	97.4	99.0	100.0	100.4	100.4	100.5	99.9	100.7	100.1	99.9
25	96.7	96.5	97.6	99.1	100.1	100.4	100.4	100.5	99.9	100.7	100.1	99.9
26	96.7	96.5	97.7	99.2	100.3	100.4	100.3	100.5	99.8	100.6	100.1	99.9
27	96.7	96.5	97.7	99.2	100.3	100.3	100.3	100.4	99.9	100.7	100.0	99.8
28	96.7	96.4	97.8	99.2	100.3	100.4	100.3	100.4	100.0	100.8	100.0	99.8
29	96.7	96.5	97.9	99.3	.....	100.5	100.3	100.4	100.0	100.7	100.0	99.8
30	96.7	96.5	97.9	99.3	.....	100.6	100.3	100.4	99.9	100.6	99.9	99.8
31	96.7	.....	97.9	99.3	.....	100.6	.....	100.4	.....	100.5	99.9	.....
1919-20												
1	99.7	99.9	100.4	100.0	99.7	99.7	100.8	100.3	100.1	100.0	99.9	100.0
2	99.7	100.1	100.4	100.0	99.7	99.7	100.8	100.3	100.1	99.9	99.9	99.9
3	99.7	100.1	100.4	100.0	99.7	99.7	100.8	100.2	100.0	99.9	99.9	99.9
4	99.7	100.2	100.4	100.0	99.7	99.7	100.7	100.2	100.0	100.0	99.9	99.9
5	99.7	100.3	100.3	99.9	99.7	99.7	100.7	100.2	100.0	100.0	99.8	99.9
6	99.7	100.4	100.3	99.9	99.7	100.2	100.7	100.2	100.1	100.0	99.8	99.8
7	99.7	100.4	100.3	99.9	99.7	100.6	100.7	100.2	100.2	99.9	99.8	100.0
8	99.6	100.4	100.3	99.9	99.8	100.7	100.6	100.1	100.2	99.9	99.8	100.1
9	99.6	100.4	100.2	100.0	99.8	100.7	100.6	100.1	100.2	99.8	99.8	100.1
10	99.6	100.3	100.2	100.0	99.8	100.7	100.5	100.1	100.2	99.8	99.8	100.2
11	99.6	100.3	100.2	100.0	99.8	100.7	100.5	100.1	100.1	99.8	99.9	100.2
12	99.6	100.3	100.2	100.0	99.8	100.7	100.4	100.1	100.1	99.8	100.1	100.4
13	99.6	100.4	100.5	100.0	99.8	101.3	100.4	100.2	100.1	99.8	100.2	100.7
14	99.6	100.4	100.5	99.9	99.8	101.3	100.5	100.2	100.1	99.8	100.3	100.7
15	99.7	100.4	100.4	99.9	99.8	101.3	100.4	100.2	100.1	99.8	100.3	100.6
16	99.7	100.4	100.4	99.9	99.8	101.2	100.4	100.2	100.1	99.8	100.3	100.5
17	99.8	100.3	100.3	99.9	99.8	101.3	100.5	100.2	100.0	99.8	100.4	100.4
18	99.8	100.3	100.3	99.9	99.8	101.4	100.5	100.2	100.1	99.8	100.4	100.3
19	99.8	100.3	100.3	99.9	99.8	101.2	100.4	100.2	100.1	99.7	100.4	100.3
20	99.8	100.2	100.2	99.9	99.8	101.1	100.4	100.1	100.1	99.7	100.4	100.2
21	99.8	100.2	100.2	99.8	99.8	101.1	100.4	100.1	100.1	99.7	100.3	100.2
22	99.8	100.2	100.2	99.8	99.8	101.0	100.5	100.3	100.1	99.7	100.3	100.2
23	99.8	100.2	100.2	99.8	99.8	100.9	100.5	100.4	100.1	99.7	100.3	100.1
24	99.9	100.1	100.2	99.8	99.8	101.0	100.5	100.4	100.0	100.1	100.2	100.1
25	99.9	100.1	100.1	99.8	99.8	101.0	100.4	100.3	100.0	100.1	100.2	100.0
26	99.9	100.1	100.1	99.8	99.8	101.1	100.4	100.3	100.0	100.0	100.1	100.0
27	99.9	100.3	100.1	99.8	99.8	101.2	100.3	100.3	100.0	100.0	100.1	100.0
28	99.9	100.3	100.1	99.8	99.8	101.1	100.3	100.3	100.0	100.0	100.1	99.9
29	99.9	100.3	100.1	99.8	99.8	101.0	100.3	100.2	100.0	100.0	100.1	99.9
30	99.9	100.3	100.0	99.8	.....	101.0	100.3	100.2	100.0	99.9	100.0	99.9
31	99.9	.....	100.0	99.7	.....	100.9	.....	100.1	.....	99.9	100.0	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June.	July	Aug.	Sept.
1920-21												
1	101.1	99.7	100.4	100.1	99.9	100.2	100.4	100.4	99.8	98.9	98.5	97.6
2	101.0	99.7	100.6	100.1	99.9	100.2	100.4	100.3	99.7	98.8	98.5	97.6
3	100.9	99.7	100.6	100.1	99.9	100.5	100.4	100.3	99.7	98.8	98.5	97.5
4	100.8	99.7	100.6	100.1	99.9	100.7	100.4	100.2	99.6	98.8	98.5	97.5
5	100.7	99.6	100.6	100.1	99.9	100.7	100.4	100.3	99.6	98.7	98.5	97.5
6	100.5	99.6	100.5	100.1	99.9	100.7	100.3	100.4	99.5	98.7	98.5	97.5
7	100.4	99.6	100.5	100.1	100.0	100.7	100.3	100.4	99.5	98.7	98.4	97.4
8	110.3	99.6	100.5	100.1	100.2	100.7	100.3	100.3	99.4	98.7	98.5	97.4
9	100.3	99.5	100.4	100.1	100.3	100.7	100.2	100.3	99.4	98.6	98.4	97.4
10	100.2	99.5	100.4	100.1	100.2	100.6	100.2	100.2	99.3	98.8	98.4	97.3
11	100.2	99.5	100.4	100.1	100.1	100.6	100.2	100.2	99.3	98.8	98.4	97.3
12	100.1	99.5	100.4	100.0	100.0	100.6	100.1	100.2	99.2	98.8	98.3	97.3
13	100.1	99.4	100.3	100.0	99.9	100.6	100.1	100.3	99.2	98.8	98.3	97.3
14	100.1	99.4	100.5	100.1	99.9	100.6	100.1	100.3	99.1	98.8	98.2	97.2
15	100.0	99.4	100.7	100.3	99.9	100.6	100.1	100.3	99.1	98.8	98.2	97.2
16	100.0	99.4	100.7	100.4	99.9	100.6	100.1	100.2	99.0	98.8	98.1	97.1
17	100.0	99.5	100.7	100.4	99.9	100.6	100.0	100.2	99.0	98.7	98.1	97.1
18	100.0	99.6	100.6	100.3	99.9	100.6	100.0	100.2	99.0	98.7	98.1	97.1
19	99.9	99.7	100.6	100.3	99.9	100.5	100.1	100.1	99.0	98.7	98.1	97.0
20	99.9	99.7	100.5	100.2	99.9	100.5	100.1	100.1	99.0	98.8	98.0	97.0
21	99.9	99.8	100.5	100.2	99.8	100.5	100.0	100.0	98.9	98.8	98.0	96.9
22	99.8	99.8	100.4	100.2	99.8	100.5	100.0	100.1	98.9	98.8	97.9	96.9
23	99.8	100.1	100.4	100.1	99.8	100.5	100.3	100.0	98.9	98.8	97.9	96.9
24	99.7	100.2	100.4	100.1	99.8	100.4	100.3	100.0	98.8	98.7	97.9	96.9
25	99.7	100.2	100.3	100.1	99.8	100.4	100.3	100.0	98.8	98.7	97.8	96.8
26	99.7	100.2	100.3	100.0	99.9	100.4	100.3	100.0	98.8	98.7	97.8	96.8
27	99.7	100.3	100.3	100.0	99.9	100.4	100.3	99.9	98.8	98.6	97.8	96.8
28	99.7	100.3	100.2	100.0	100.0	100.3	100.3	99.9	98.7	98.6	97.7	96.8
29	99.8	100.3	100.2	99.9	.....	100.3	100.3	99.9	98.7	98.6	97.7	96.7
30	99.8	100.3	100.2	99.9	.....	100.3	100.3	99.8	98.8	98.6	97.7	96.7
31	99.7	.....	100.2	99.9	.....	100.3	.....	99.8	.....	98.5	97.6	.....
1921-22												
1	96.7	96.0	96.3	97.4	97.0	99.6	100.7	100.2	100.2	100.3	100.0	99.8
2	96.7	96.0	96.4	97.4	98.0	99.7	100.8	100.2	100.2	100.3	100.1	99.8
3	96.6	95.9	96.6	97.5	98.0	99.7	100.8	100.1	100.3	100.4	100.1	99.8
4	96.6	95.9	96.7	97.5	98.1	99.8	100.7	100.1	100.8	100.5	100.1	99.9
5	96.6	95.9	96.8	97.6	98.2	99.9	100.7	100.3	100.9	100.5	100.1	100.0
6	96.6	95.9	96.8	97.6	98.2	100.0	100.6	100.3	100.9	100.5	100.1	100.0
7	96.5	95.8	96.8	97.6	98.3	100.1	100.6	100.4	100.8	100.5	100.1	100.0
8	96.5	95.8	96.8	97.6	98.3	100.9	100.5	100.4	100.7	100.4	100.0	100.0
9	96.5	95.8	96.9	97.6	98.3	101.0	100.5	100.3	100.7	100.4	100.0	100.0
10	96.5	95.8	96.9	97.6	98.4	100.9	100.5	100.3	100.6	100.4	100.0	100.0
11	96.5	95.7	96.9	97.6	98.4	100.9	100.5	100.3	100.5	100.3	100.0	100.0
12	96.4	95.7	96.9	97.7	98.4	100.9	100.5	100.2	100.5	100.3	100.0	100.0
13	96.4	95.7	97.0	97.7	98.5	100.8	100.4	100.2	100.4	100.3	99.9	100.0
14	96.4	95.7	97.0	97.7	98.5	100.8	100.4	100.1	100.3	100.3	99.9	100.0
15	96.4	95.7	97.0	97.7	98.5	100.7	100.5	100.1	100.3	100.2	99.9	99.9
16	96.3	95.7	97.0	97.7	98.5	100.7	100.5	100.0	100.2	100.2	99.9	99.9
17	96.3	95.7	97.0	97.8	98.6	100.6	100.4	100.0	100.2	100.2	99.9	99.9
18	96.3	95.7	97.1	97.8	98.6	100.6	100.4	99.9	100.3	100.2	99.9	99.9
19	96.2	95.7	97.1	97.8	98.6	100.5	100.5	.....	100.3	100.3	99.9	99.8
20	96.2	95.7	97.1	97.8	98.6	100.6	100.5	100.8	100.3	100.2	99.9	99.8
21	96.2	95.8	97.2	97.8	98.7	100.7	100.4	100.8	100.4	100.2	99.8	99.8
22	96.1	95.8	97.2	97.8	98.8	100.7	100.4	100.7	100.4	100.2	99.8	99.8
23	96.1	95.8	97.2	97.8	99.0	100.8	100.4	100.7	100.3	100.2	99.8	99.8
24	96.1	95.8	97.3	97.8	99.2	100.7	100.3	100.6	100.3	100.1	99.8	99.8
25	96.0	95.8	97.3	97.8	99.3	100.6	100.3	100.6	100.3	100.1	99.8	99.7
26	96.0	95.8	97.4	97.8	99.4	100.6	100.3	100.5	100.2	100.1	99.8	99.7
27	96.0	95.8	97.4	97.8	99.5	100.6	100.3	100.5	100.2	100.1	99.8	99.7
28	95.9	95.9	97.4	97.8	99.6	100.6	100.2	100.4	100.2	100.0	99.9	99.7
29	95.9	96.1	97.4	97.8	.....	100.5	100.2	100.4	100.2	100.0	99.8	99.7
30	95.9	96.2	97.4	97.8	.....	100.5	100.2	100.3	100.2	100.0	99.8	99.7
31	95.8	.....	97.4	97.8	.....	100.5	.....	100.3	.....	100.0	99.8	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	99.75	98.9	98.2	98.2	100.0	100.4	100.8	100.4	100.15	99.9	99.25	98.0
2	99.65	98.9	98.2	98.2	100.0	100.45	100.8	100.4	100.1	99.9	99.2	97.9
3	99.65	98.9	98.2	98.2	100.0	100.7	100.7	100.4	100.1	99.8	99.15	97.8
4	99.6	98.8	98.2	98.2	100.0	100.7	100.7	100.35	100.15	99.8	99.15	97.8
5	99.6	98.8	98.1	98.4	100.0	100.7	100.7	100.35	100.2	99.8	99.05	97.75
6	99.55	98.7	98.1	98.5	100.1	100.7	100.6	100.3	100.3	99.8	99.05	97.7
7	99.5	98.7	98.1	98.6	100.1	100.65	100.6	100.3	100.35	99.8	99.0	97.7
8	99.5	98.7	98.1	98.6	100.1	100.6	100.5	100.3	100.35	99.7	99.0	97.7
9	99.5	98.6	98.1	98.8	100.1	100.6	100.5	100.3	100.35	99.65	98.95	97.7
10	99.5	98.6	98.1	98.8	100.2	100.6	100.5	100.3	100.35	99.65	98.9	97.7
11	99.5	98.6	98.05	98.8	100.2	100.6	100.45	100.3	100.3	99.65	98.9	97.7
12	99.45	98.5	98.05	99.0	100.2	100.6	100.45	100.3	100.25	99.65	98.85	97.6
13	99.45	98.5	98.05	99.0	100.2	100.6	100.4	100.3	100.2	99.6	98.8	97.6
14	99.4	98.5	98.0	99.3	100.2	100.6	100.4	100.3	100.2	99.6	98.7	97.5
15	99.35	98.5	98.0	99.3	100.25	100.6	100.3	100.3	100.2	99.7	98.7	97.5
16	99.3	98.45	98.0	99.3	100.3	100.6	100.3	100.3	100.15	99.7	98.65	97.4
17	99.3	98.45	98.0	99.3	100.3	100.6	100.25	100.3	100.15	99.7	98.6	97.3
18	99.25	98.45	98.0	99.4	100.3	100.7	100.25	100.3	100.15	99.65	98.6	97.3
19	99.2	98.45	98.05	99.4	100.3	101.0	100.25	100.3	100.1	99.6	98.6	97.25
20	99.2	98.4	98.05	99.4	100.3	101.0	100.25	100.3	100.1	99.6	98.55	97.25
21	99.15	98.4	98.1	99.45	100.3	101.0	100.2	100.3	100.05	99.55	98.5	97.2
22	99.1	98.4	98.1	99.5	100.35	101.0	100.2	100.4	100.05	99.5	98.45	97.2
23	99.1	98.4	98.15	99.5	100.35	100.95	100.2	100.4	100.05	99.5	98.4	97.25
24	99.05	98.35	98.15	99.6	100.4	100.9	100.2	100.35	100.0	99.45	98.35	97.3
25	99.05	98.35	98.15	99.6	100.4	100.9	100.2	100.35	100.0	99.4	98.3	97.3
26	99.0	98.3	98.2	99.7	100.4	100.9	100.15	100.3	99.9	99.4	98.2	97.25
27	99.0	98.3	98.2	99.7	100.4	100.8	100.15	100.3	99.9	99.4	98.1	97.2
28	98.95	98.25	98.2	99.7	100.4	100.8	100.1	100.3	99.9	99.3	98.05	97.15
29	98.95	98.2	98.2	99.8	.....	100.8	100.3	100.25	99.9	99.3	98.0	97.15
30	98.9	98.2	98.2	99.9	.....	100.8	100.4	100.25	99.9	99.3	98.0	97.1
31	98.9	.....	98.2	99.9	.....	100.8	.....	100.2	.....	99.25	98.0	.....
1923-24												
1	97.1	97.15	98.35	100.5	100.45	100.18	100.6	100.5	100.3	100.0	99.85	99.5
2	97.0	97.2	98.45	100.5	100.4	100.15	100.65	100.45	100.3	100.0	99.85	99.5
3	97.0	97.25	98.55	100.55	100.4	100.15	100.7	100.4	100.3	100.0	99.85	99.5
4	96.9	97.25	98.65	100.55	100.4	100.15	100.7	100.4	100.25	100.0	99.85	99.45
5	96.9	97.3	98.75	100.55	100.4	100.2	100.75	100.35	100.25	100.0	99.8	99.45
6	96.8	97.3	99.2	100.6	100.4	100.2	100.8	100.35	100.2	100.0	99.8	99.35
7	96.7	97.32	99.7	100.55	100.4	100.2	102.0	100.3	100.2	100.0	99.8	99.3
8	96.7	97.4	99.9	100.55	100.4	102.2	101.8	100.3	100.2	100.0	99.8	99.3
9	96.6	97.42	100.0	100.5	100.4	100.25	101.6	100.45	100.2	100.3	99.8	99.3
10	96.6	97.45	100.15	100.45	100.4	100.3	101.4	100.5	100.2	100.3	99.7	99.4
11	96.5	97.45	100.2	100.58	100.38	100.3	101.2	100.7	100.2	100.3	99.7	99.4
12	96.45	97.45	100.2	100.80	100.35	100.35	101.05	100.7	100.2	100.3	100.8	99.35
13	96.4	97.45	100.2	100.8	100.32	100.4	100.95	101.0	100.15	100.3	100.8	99.35
14	96.35	97.5	100.3	100.75	100.3	100.4	100.8	101.0	100.15	100.25	99.8	99.3
15	96.3	97.5	100.3	100.7	100.28	100.45	100.7	100.95	100.15	100.25	99.8	99.3
16	96.3	97.5	100.3	100.65	100.25	100.45	100.6	100.9	100.15	100.25	99.7	99.3
17	96.2	97.5	100.3	101.15	100.2	100.45	100.55	100.8	100.15	100.25	99.7	99.25
18	96.2	97.5	100.3	101.28	100.2	100.42	100.5	100.8	100.1	100.2	99.7	99.2
19	96.15	97.5	100.3	101.05	100.25	100.4	100.4	100.7	100.1	100.1	99.65	99.2
20	96.05	97.5	100.25	101.0	100.25	100.4	100.55	100.7	100.1	100.1	99.65	99.2
21	96.05	97.5	100.25	101.0	100.28	100.4	100.7	100.6	100.1	100.1	99.6	99.2
22	96.0	97.5	100.25	100.9	100.3	100.4	100.75	100.6	100.1	100.05	99.6	99.2
23	95.95	97.55	100.3	100.85	100.3	100.4	100.7	100.5	100.1	100.05	99.55	99.15
24	96.3	97.6	100.35	100.8	100.3	100.4	100.7	100.5	100.1	100.0	99.55	99.12
25	96.8	97.6	100.4	100.7	100.28	100.4	100.7	100.45	100.05	100.0	99.5	99.1
26	96.8	97.7	100.4	100.7	100.25	100.45	100.6	100.45	100.05	99.95	99.7	99.1
27	97.0	97.8	100.4	100.65	100.22	100.5	100.55	100.4	100.05	99.95	99.6	99.1
28	97.0	97.85	100.45	100.6	100.22	100.55	100.45	100.4	100.05	99.92	99.6	99.05
29	96.95	97.9	100.5	100.55	100.2	100.6	100.35	100.4	100.05	99.92	99.55	99.05
30	97.1	98.1	100.5	100.5	.....	100.6	100.3	100.35	100.05	99.9	99.55	99.25
31	97.15	.....	100.5	100.45	.....	100.6	.....	100.3	.....	99.9	99.5	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	99.75	99.5	98.75	99.15	99.0	99.95	100.55	100.15	100.35	100.05	100.1	99.65
2	100.05	99.5	98.75	99.15	99.0	100.1	100.55	100.2	100.35	100.0	100.1	99.65
3	100.1	99.45	98.75	99.15	98.95	100.05	100.45	100.2	100.35	100.0	100.1	99.55
4	100.1	99.4	98.75	99.15	98.95	100.0	100.45	100.2	100.25	100.0	100.08	99.55
5	100.1	99.4	98.75	99.15	98.95	99.95	100.4	100.15	100.25	100.0	100.05	99.5
6	100.1	99.35	98.75	99.15	98.95	99.9	100.35	100.15	100.2	100.0	100.05	99.45
7	100.05	99.35	98.75	99.15	98.95	99.85	100.35	100.15	100.2	99.98	100.05	99.45
8	100.05	99.3	98.75	99.15	99.05	99.75	100.35	100.15	100.15	100.0	100.05	99.45
9	100.05	99.3	98.85	99.15	99.15	99.7	100.25	100.15	100.15	100.0	100.05	99.45
10	99.95	99.25	98.9	99.15	99.35	99.65	100.25	100.1	100.2	100.05	100.05	99.45
11	99.95	99.25	98.95	99.15	99.55	99.65	100.25	100.15	100.15	100.05	100.05	99.45
12	99.95	99.2	99.0	99.15	99.15	99.5	100.2	100.15	100.15	100.0	100.05	99.4
13	99.9	99.2	99.05	99.15	99.65	99.6	100.2	100.2	100.1	99.95	100.02	99.4
14	99.9	99.15	99.05	99.1	100.75	99.6	100.2	100.25	100.1	99.95	100.0	99.42
15	99.85	99.15	99.1	99.1	100.75	99.6	100.2	100.25	100.1	99.95	100.0	99.45
16	99.85	99.1	99.1	99.1	100.85	99.6	100.2	100.25	100.05	99.9	99.95	99.45
17	99.85	99.1	99.15	99.1	100.78	99.65	100.25	100.2	100.05	100.05	99.95	99.45
18	99.85	99.05	99.15	99.1	100.65	99.75	100.25	100.2	100.05	100.05	99.95	99.45
19	99.8	99.05	99.15	99.1	100.58	99.8	100.25	100.15	100.05	100.05	99.95	99.45
20	99.8	98.95	99.2	99.1	100.45	100.1	100.25	100.15	100.05	100.0	99.92	99.45
21	99.8	98.95	99.25	99.05	100.3	100.1	100.25	100.15	100.0	100.0	99.9	99.45
22	99.75	98.85	99.25	99.05	100.2	100.15	100.2	100.15	100.0	100.0	99.9	99.45
23	99.65	98.95	99.25	99.05	100.15	100.15	100.15	100.15	100.0	100.0	99.85	99.4
24	99.65	98.9	99.2	99.05	100.15	100.2	100.15	100.35	99.95	100.0	99.8	99.4
25	99.6	98.85	99.2	99.05	100.1	100.2	100.15	100.35	100.0	100.0	99.8	99.35
26	99.6	98.85	99.2	99.05	100.1	100.25	100.15	100.5	100.0	100.0	99.8	99.35
27	99.6	98.85	99.15	99.05	100.1	100.25	100.15	100.4	99.95	100.05	99.75	99.3
28	99.55	98.8	99.15	99.02	100.05	100.25	100.15	100.4	99.95	100.05	99.65	99.3
29	99.55	98.8	99.15	99.02	.....	100.45	100.15	100.35	100.0	100.0	99.65	99.25
30	99.55	98.75	99.15	99.0	.....	100.55	100.15	100.35	100.05	100.0	99.65	99.25
31	99.5	.....	99.15	99.0	.....	100.65	.....	100.35	.....	100.0	99.65	.....
1925-26												
1	99.2	98.85	100.3	100.1	100.2	100.75	100.5	100.2	99.95	99.85	98.85	99.5
2	99.2	98.85	100.3	100.1	100.2	100.75	100.48	100.2	99.95	99.85	98.85	99.5
3	99.2	98.85	100.35	100.05	100.2	100.75	100.45	100.18	99.95	99.80	98.85	99.5
4	99.15	98.85	100.55	100.05	100.25	100.75	100.45	100.18	100.0	99.75	98.8	99.5
5	99.1	98.85	100.7	100.05	100.25	100.7	100.45	100.15	100.0	99.7	98.8	99.5
6	991.	98.85	100.85	100.05	100.25	100.65	100.42	100.15	100.0	99.65	99.0	99.55
7	99.05	98.8	100.85	100.05	100.25	100.6	100.4	100.15	100.0	99.6	98.75	99.65
8	99.0	98.9	100.85	100.05	100.25	100.65	100.45	100.1	100.0	99.58	98.75	99.75
9	98.85	98.95	100.8	100.05	100.25	100.65	100.55	100.1	99.98	99.55	98.7	99.95
10	98.85	98.95	100.65	100.05	100.25	100.65	100.55	100.1	99.95	99.48	98.7	100.75
11	98.85	99.0	100.55	100.05	100.25	100.65	100.52	100.1	99.95	99.45	98.65	100.75
12	98.85	99.0	100.55	100.0	100.25	100.6	100.5	100.05	99.95	99.4	98.65	99.85
13	98.75	99.25	100.5	100.0	100.25	100.55	100.48	100.05	99.95	99.35	98.85	99.85
14	98.75	99.55	100.45	99.95	100.25	100.55	100.45	100.05	99.95	99.3	98.85	99.75
15	98.75	99.75	100.4	99.95	100.25	100.52	100.4	100.05	99.95	99.25	98.85	99.7
16	98.75	99.95	100.37	99.95	100.25	100.5	100.35	100.05	100.0	99.25	98.95	99.7
17	98.75	100.2	100.35	99.95	100.25	100.5	100.35	100.05	99.98	99.2	99.05	99.65
18	98.7	100.25	100.3	100.0	100.25	100.4	100.35	100.05	99.95	99.2	99.15	99.65
19	98.65	100.25	100.25	100.15	100.3	100.35	100.28	100.05	99.95	99.15	99.25	99.7
20	98.65	100.25	100.25	100.15	100.35	100.35	100.25	100.05	99.95	99.1	99.35	99.65
21	98.6	100.3	100.25	100.25	100.35	100.4	100.22	100.0	99.92	99.1	99.35	99.65
22	98.6	100.25	100.25	100.25	100.4	100.45	100.2	100.0	99.9	99.05	99.4	99.65
23	98.55	100.25	100.25	100.3	100.4	100.48	100.2	100.0	99.9	99.05	99.4	99.65
24	98.55	100.25	100.25	100.3	100.4	100.55	100.2	99.95	99.9	99.05	99.4	99.65
25	98.55	100.25	100.25	100.35	100.38	100.55	100.2	99.95	99.9	99.05	9.94	99.65
26	98.55	100.25	100.25	100.3	100.65	100.55	100.2	99.95	99.9	99.0	99.42	99.65
27	98.6	100.25	100.25	100.25	100.65	100.55	100.2	99.95	99.88	99.0	99.45	99.65
28	98.65	100.25	100.2	100.25	100.75	100.55	100.2	99.95	99.85	98.95	99.5	99.7
29	98.75	100.25	100.15	100.2	.....	100.52	100.2	99.95	99.85	98.95	99.55	99.7
30	98.8	100.27	100.15	100.2	.....	100.5	100.2	99.95	99.85	98.9	99.55	99.7
31	98.85	.....	100.13	100.2	.....	100.5	.....	99.95	.....	98.9	99.55	.....

Daily gage height, in feet, of Greenwood Lake at The Glens, for the years ending September 30, 1898-1904 and 1907-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	99.7	100.1	100.3	100.2	100.2	100.55	100.25	100.15	100.3	99.85	100.05	100.1
2	99.7	100.1	100.3	100.15	100.15	100.55	100.25	100.15	100.3	99.85	100.05	99.85
3	99.7	100.1	100.25	100.15	100.15	100.45	100.25	100.15	100.3	99.85	100.02	99.9
4	99.7	100.1	100.25	100.15	100.15	100.4	100.22	100.15	100.3	99.85	100.0	100.65
5	99.7	100.1	100.25	100.2	100.2	100.35	100.2	100.12	100.25	99.8	100.0	100.45
6	99.75	100.1	100.25	100.2	100.25	100.3	100.2	100.1	100.25	99.8	100.0	100.25
7	99.75	100.1	100.2	100.2	100.25	100.3	100.2	100.05	100.2	99.75	100.0	100.1
8	99.75	100.1	100.2	100.2	100.25	100.35	100.15	100.05	100.15	99.75	100.0	99.85
9	99.75	100.1	100.2	100.2	100.25	100.4	100.15	100.05	100.05	99.75	99.98	99.55
10	99.75	100.15	100.18	100.15	100.2	100.45	100.15	100.2	100.05	99.75	99.98	99.25
11	99.7	100.25	100.15	100.15	100.2	100.5	100.12	100.25	100.05	99.75	99.95	98.95
12	99.7	100.3	100.15	100.15	100.2	100.5	100.1	100.45	100.0	99.7	99.95	98.65
13	99.7	100.28	100.15	100.15	100.2	100.5	100.1	100.4	100.0	99.7	99.95	98.25
14	99.65	100.28	100.15	100.15	100.15	100.55	100.1	100.35	100.0	99.7	99.95	98.05
15	99.65	100.28	100.15	100.15	100.15	100.55	100.05	100.35	99.95	99.7	100.25	97.75
16	99.65	100.28	100.15	100.1	100.15	100.55	100.05	100.35	99.95	99.7	100.25	97.45
17	99.65	100.75	100.1	100.1	100.25	100.5	100.05	100.35	99.95	99.75	100.25	97.15
18	99.65	100.75	100.1	100.1	100.3	100.48	100.05	100.35	99.95	99.75	100.25	96.95
19	99.65	100.8	100.1	100.1	100.3	100.45	100.05	100.35	99.95	99.75	100.25	96.65
20	99.65	100.8	100.1	100.1	100.3	100.45	100.0	100.3	99.95	99.75	100.25	96.45
21	99.65	100.75	100.1	100.15	100.3	100.48	100.0	100.3	99.95	99.8	100.2	96.15
22	99.65	100.65	100.08	100.15	100.35	100.5	100.0	100.3	99.9	99.85	100.15	95.95
23	99.65	100.6	100.05	100.25	100.35	100.5	100.05	100.3	99.9	99.85	100.15	95.65
24	99.65	100.58	100.05	100.25	100.35	100.45	100.1	100.35	99.9	100.05	100.05	95.45
25	99.9	100.5	100.05	100.25	100.4	100.45	100.1	100.35	99.9	100.05	99.85	95.15
26	100.0	100.38	100.05	100.25	100.45	100.4	100.1	100.35	99.9	100.05	99.65	94.85
27	100.05	100.35	100.05	100.3	100.55	100.35	100.1	100.4	99.9	100.0	99.45	94.65
28	100.05	100.35	100.1	100.3	100.55	100.35	100.15	100.4	99.85	100.0	99.65	94.6
29	100.1	100.35	100.1	100.3	.....	100.35	100.15	100.35	99.85	100.0	100.05	94.55
30	100.1	100.35	100.15	100.25	.....	100.3	100.15	100.3	99.85	100.0	100.25	94.55
31	100.1	.....	100.2	100.25	.....	100.25	.....	100.3	.....	100.05	100.15	.....
1927-28												
1	94.55	97.15	97.75	97.5	98.15	98.05	98.25	99.15	98.98	100.25	100.1	100.1
2	94.55	97.1	97.7	97.52	98.05	97.95	98.4	99.1	99.0	100.22	100.1	100.05
3	94.55	97.3	97.65	97.55	98.0	97.92	98.5	99.05	98.95	100.2	100.1	100.05
4	94.55	98.25	97.65	97.55	97.95	97.85	98.5	99.05	99.0	100.2	100.05	100.08
5	94.95	98.4	97.75	97.6	97.95	97.85	98.45	99.0	99.15	100.2	100.05	100.1
6	94.95	98.4	97.75	97.65	97.95	97.85	98.4	98.95	99.65	100.6	100.05	100.1
7	94.95	98.3	97.75	97.7	97.95	97.85	98.3	98.85	99.7	100.6	100.05	100.08
8	95.0	98.25	97.75	97.75	98.0	98.1	98.25	98.65	99.75	100.45	100.02	100.05
9	95.0	98.2	97.8	97.75	98.15	98.05	98.2	98.55	99.8	100.35	100.02	100.0
10	95.05	98.1	97.85	97.8	98.15	98.05	98.2	98.45	99.85	100.2	99.95	100.0
11	95.05	98.0	98.0	97.82	98.2	98.05	98.15	98.45	99.9	100.2	100.1	100.0
12	95.05	97.95	98.0	97.85	98.15	98.0	98.15	98.45	99.95	100.2	100.1	100.0
13	95.35	97.75	98.0	97.85	98.15	98.0	98.1	98.45	100.0	100.15	100.1	100.0
14	95.55	97.65	97.75	97.85	98.3	97.95	98.1	98.55	100.0	100.15	100.1	99.95
15	95.55	97.55	97.75	97.9	98.45	97.9	98.15	98.45	100.0	100.15	100.05	99.95
16	95.65	97.45	97.75	97.95	98.5	97.85	98.15	98.45	100.0	100.1	100.0	99.95
17	95.65	97.5	97.75	98.0	98.4	97.85	98.1	98.5	100.0	100.1	100.0	99.9
18	95.75	97.75	97.75	98.05	98.35	97.85	98.1	98.55	99.98	100.1	100.25	99.9
19	96.55	98.35	97.75	98.05	98.25	97.85	98.05	98.65	99.98	100.05	100.25	99.9
20	97.15	98.35	97.72	98.08	98.2	97.85	98.05	98.7	100.15	100.05	100.25	99.95
21	97.35	98.3	97.72	98.1	98.15	97.85	98.05	98.75	100.15	100.05	100.2	100.0
22	97.45	98.25	97.7	98.05	98.05	97.85	98.05	98.8	100.15	100.05	100.2	100.0
23	97.4	98.15	97.65	98.05	98.1	97.9	98.15	98.82	100.15	100.0	100.3	100.0
24	97.35	98.05	97.6	98.25	98.25	97.9	98.3	98.85	100.2	100.0	100.35	99.95
25	97.3	98.0	97.55	98.35	98.25	97.95	98.45	98.85	100.22	100.0	100.35	99.95
26	97.25	97.95	97.55	98.35	98.22	98.05	98.55	98.85	100.25	100.0	100.4	99.9
27	97.25	97.9	97.45	98.3	98.22	98.1	98.6	98.85	100.25	100.0	100.4	99.9
28	97.15	97.85	97.45	98.25	98.2	98.1	98.75	98.88	100.25	100.1	100.4	99.88
29	97.15	97.8	97.4	98.25	98.1	98.1	98.95	98.9	100.25	100.15	100.35	99.85
30	97.15	97.75	97.45	98.2	.....	98.05	99.05	98.92	100.26	100.15	100.3	99.85
31	97.15	.....	97.5	98.15	.....	98.05	.....	98.95	.....	100.15	100.2	.....

NOTE.—Gage height May 4, 1927, estimated.

Wanaque River at Greenwood Lake.

LOCATION.—600 feet down-stream from dam at outlet of Greenwood Lake, at The Glens, Passaic County.

DRAINAGE AREA.—27 square miles.

RECORDS AVAILABLE.—May 13, 1919, to September 30, 1928.

EQUIPMENT.—Water-stage recorder on right bank 600 feet below the dam; prior to April 1, 1926, a vertical staff gage at the same section but on the left bank was used.

CHANNEL AND CONTROL.—Channel, coarse gravel and boulders. Control is riffle of small boulders about 200 feet below gage, probably permanent.

EXTREMES OF DISCHARGE.—1919-1928: Maximum stage recorded, 3.72 feet at 5:00 P. M. April 7, 1924 (discharge, about 600 second-feet); minimum stage occurs whenever the gates at Greenwood Lake are closed and no water is passing over the spillway.

REGULATION.—Flow regulated by operation of sluice gates at the outlet of the lake. See record for Greenwood Lake at The Glens.

CO-OPERATION.—Station operated by North Jersey District Water Supply Commission.

Daily discharge, in second-feet, of Wanaque River at Greenwood Lake, for the years ending September 30, 1919-1928.

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1919											
1	.....	50	30	102	30	16	76	16	30	50	43
2	.....	43	30	86	36	17	92	16	30	50	43
3	.....	40	30	72	50	18	86	16	30	50	36
4	.....	36	30	67	72	19	86	12	30	58	36
5	.....	36	30	58	76	20	86	14	30	58	36
6	.....	30	30	62	76	21	86	16	30	58	30
7	.....	30	30	67	67	22	86	12	50	54	30
8	.....	28	30	67	67	23	86	12	150	50	36
9	.....	25	30	62	58	24	86	12	183	50	30
10	.....	25	30	58	50	25	86	20	166	43	30
11	.....	25	30	50	58	26	86	30	150	43	30
12	.....	20	30	43	58	27	81	33	183	40	30
13	.....	97	20	30	43	54	28	76	36	201	36	30
14	.....	86	18	30	50	50	29	67	30	174	36	30
15	.....	76	20	30	50	46	30	58	30	150	30	30
							31	54	.....	120	30	.....

Daily discharge, in second-feet, of Wanaque River at Greenwood Lake, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-20												
1	30	30	108	36	30	30	192	86	46	36	30	25
2	30	43	108	36	30	30	183	76	43	30	25	25
3	30	58	97	36	30	30	183	76	43	30	25	25
4	30	62	92	36	30	30	166	67	36	36	25	25
5	30	92	86	30	30	43	166	62	46	36	25	25
6	30	108	81	30	30	114	174	58	67	33	25	25
7	30	108	81	30	30	158	150	50	67	30	25	36
8	30	108	86	30	30	183	142	43	67	30	25	36
9	30	97	97	36	30	183	134	43	62	30	25	36
10	30	86	108	36	30	183	120	43	58	30	25	46
11	30	81	108	36	30	183	108	43	54	30	30	50
12	30	76	102	36	30	166	97	43	50	30	46	108
13	30	97	102	36	30	296	102	62	50	30	67	134
14	25	97	108	33	30	410	108	67	50	30	76	127
15	30	97	97	30	30	371	97	67	43	30	86	108
16	30	92	97	30	30	320	97	58	43	30	97	97
17	30	86	86	30	30	358	108	58	43	30	108	86
18	30	81	86	30	30	384	108	58	50	30	102	72
19	30	76	76	30	30	371	102	50	50	30	97	62
20	30	67	76	30	30	320	97	50	50	30	86	50
21	30	62	72	30	30	272	102	54	50	30	81	46
22	30	58	67	30	30	240	108	76	43	30	76	43
23	30	50	58	30	30	240	108	86	43	30	67	40
24	30	50	58	30	30	261	108	86	43	58	58	46
25	30	50	50	30	30	284	97	86	40	58	50	54
26	30	54	50	30	30	308	86	76	36	50	43	50
27	30	76	50	30	30	308	86	76	36	43	40	50
28	30	86	43	30	30	296	86	67	30	43	36	50
29	30	86	43	30	30	284	86	62	30	40	36	54
30	30	97	43	30	.....	261	86	58	36	33	30	54
31	30	.....	40	30	.....	230	.....	50	.....	30	30	.....
1920-21												
1	230	43	102	67	40	67	86	86	43	30	25	26
2	261	43	120	58	36	81	97	86	43	30	25	26
3	230	43	134	58	36	120	92	76	43	30	25	26
4	192	43	134	58	36	158	97	76	43	30	25	26
5	158	43	134	58	36	166	86	86	43	30	25	26
6	127	43	120	58	36	166	81	97	43	30	25	26
7	114	43	120	50	36	166	76	97	43	30	25	26
8	102	43	120	54	36	166	72	86	43	30	25	26
9	86	43	108	58	36	174	67	81	43	30	33	25
10	76	43	108	54	36	272	67	76	43	30	43	25
11	67	43	97	50	36	220	67	72	43	30	43	25
12	58	43	97	46	36	201	58	67	43	30	43	34
13	58	43	86	43	36	183	54	76	43	30	43	34
14	50	43	108	50	36	174	50	86	36	30	43	34
15	46	43	166	76	36	150	50	86	30	30	43	34
16	43	43	166	86	36	134	50	81	30	30	42	34
17	50	43	158	97	36	134	50	76	30	30	35	34
18	43	43	150	86	36	127	54	67	30	30	29	34
19	43	43	134	86	36	108	58	58	30	30	9	34
20	43	43	114	76	36	97	58	54	30	30	8	34
21	43	43	108	67	36	86	58	50	30	30	27	34
22	43	46	97	67	36	76	54	43	30	30	27	34
23	43	54	97	67	36	76	76	46	30	30	27	34
24	43	67	97	58	36	81	86	50	30	30	27	28
25	43	67	86	58	36	86	86	50	30	30	27	23
26	43	76	86	58	36	108	86	50	30	30	27	23
27	43	81	76	54	36	108	86	43	30	30	27	23
28	43	86	76	50	54	97	81	43	30	30	27	23
29	43	86	76	50	.....	86	76	43	30	30	27	23
30	43	86	76	43	.....	.....	81	43	30	30	26	23
31	43	.....	72	43	.....	76	.....	43	.....	28	26	.....

Daily discharge, in second-feet, of Wanaque River at Greenwood Lake, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	23	21				4	120	27	43	35	12	12
2	23	21				4	134	23	41	54	16	12
3	23	21				4	150	21	97	62	17	12
4	23	21				5	134	21	183	92	21	18
5	23	21			3	7	120	46	192	102	19	21
6	23	21				12	120	58	192	97	17	21
7	23	21				31	108	58	158	92	17	21
8	23	20				192	102	58	142	81	16	19
9	23	20				220	97	50	120	76	16	18
10	23	20			3	201	86	46	102	67	14	17
11	23	20			3	192	81	43	86	58	11	17
12	22	20			3	183	76	38	76	50	10	16
13	22	20			3	166	76	34	62	43	9	15
14	22	20			3	210	72	32	54	43	9	13
15	22	20			3	192	86	30	46	38	9	13
16	22	20	3	3	3	134	81	27	41	33	9	13
17	22	20			3	120	76	25	38	28	8	12
18	22	20			3	102	76	28	58	28	8	11
19	22	20			3	92	86	192	54	38	9	11
20	22	21			3	114	76	201	54	36	8	10
21	22	19			3	134	72	220	58	33	7	9
22	22	19			3	120	67	192	54	27	9	9
23	22	19			3	114	58	158	58	25	12	9
24	21				3	102	54	127	50	22	12	8
25	21				3	97	50	102	43	19	12	8
26	21	3			3	92	46	97	43	17	12	8
27	21				3	86	41	86	40	16	12	8
28	21				4	86	36	76	37	15	12	8
29	21				.....	81	33	67	38	15	11	8
30	21				.....	76	31	54	34	12	11	17
31	21	.....			.....	76	.....	46	.....	11	11	.....
1922-23												
1	30	26	26	16	17	17	86	58	24	14	25	31
2	29	26	26	16	18	17	76	58	23	14	25	31
3	29	26	26	16	18	18	72	54	25	14	25	31
4	29	26	26	16	18	18	67	50	30	14	26	31
5	29	26	26	16	18	43	72	46	32	14	29	39
6	29	26	26	16	18	92	102	46	34	14	28	46
7	29	26	26	16	18	142	102	42	46	14	28	46
8	29	26	26	16	18	142	92	37	54	14	28	46
9	29	26	26	16	18	127	86	34	54	20	28	46
10	29	26	26	16	18	114	81	34	50	26	27	46
11	29	26	26	16	18	108	76	34	43	25	27	36
12	29	26	26	16	18	108	72	36	40	23	27	26
13	29	26	26	16	18	108	67	43	36	23	27	31
14	28	26	26	16	18	114	58	41	32	23	27	38
15	28	26	26	16	17	114	50	38	33	23	27	38
16	28	26	20	16	17	120	43	40	29	23	26	38
17	28	26	15	16	17	210	43	46	25	23	26	38
18	28	26	15	16	17	240	41	43	22	23	30	38
19	28	26	15	16	17	240	40	41	21	23	34	38
20	27	26	15	16	17	220	38	39	20	22	41	38
21	27	26	15	16	17	201	36	46	18	22	50	38
22	27	26	15	17	17	192	35	50	17	22	50	38
23	27	26	15	17	17	192	32	46	16	22	50	38
24	26	26	15	17	17	192	30	46	16	22	50	38
25	26	26	15	17	17	174	27	43	16	22	50	38
26	26	26	15	17	17	174	25	41	16	23	46	38
27	26	26	15	17	17	158	23	40	16	25	46	38
28	26	26	15	17	17	134	21	36	16	25	46	38
29	26	26	15	17	.....	114	43	33	15	25	46	38
30	26	26	15	17	.....	102	58	30	14	25	39	38
31	26	.....	16	17	.....	92	.....	26	.....	25	31	.....

Daily discharge, in second-feet, of Wanaque River at Greenwood Lake, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-4												
1	38	4	7	62	62	22	120	72	50	12	8	21
2	37	3	7	58	54	20	114	120	46	12	8	21
3	36	3	7	67	50	19	108	62	42	10	8	21
4	36	3	7	76	50	19	108	62	42	9	8	21
5	36	3	7	81	54	19	114	58	43	8	8	21
6	36	3	7	86	58	22	134	50	39	8	8	21
7	36	3	7	81	58	26	540	50	34	8	8	21
8	36	3	7	72	54	30	510	72	33	8	8	21
9	36	3	9	72	50	35	420	86	33	36	8	21
10	41	3	13	76	46	40	333	114	30	50	8	21
11	46	3	22	86	43	46	284	120	26	46	18	21
12	46	3	27	114	43	58	210	158	25	39	41	21
13	46	3	30	127	40	58	166	183	23	40	41	21
14	46	3	31	120	37	54	150	192	22	38	41	21
15	46	3	34	114	34	54	134	183	21	33	39	21
16	46	5	34	134	32	54	102	166	20	27	39	21
17	43	9	35	230	30	50	92	142	17	23	39	21
18	50	9	35	240	28	46	86	134	16	20	30	21
19	58	9	34	210	28	46	120	120	15	16	22	20
20	46	9	34	192	31	50	127	108	15	14	22	20
21	34	9	34	158	35	50	127	97	14	12	22	20
22	38	9	36	127	38	54	120	86	13	11	22	20
23	43	8	43	108	34	58	114	81	13	11	22	21
24	46	8	58	92	31	62	102	76	12	10	22	21
25	46	8	58	102	28	72	102	72	12	9	22	21
26	23	8	58	108	27	76	92	62	12	9	22	21
27	5	8	58	97	25	81	81	58	12	9	22	21
28	5	8	58	81	23	86	72	58	12	8	22	21
29	5	8	58	76	23	92	67	58	12	8	22	21
30	4	8	58	72	.....	108	62	58	12	8	22	21
31	4	.....	62	62	.....	120	.....	54	.....	8	22	.....
1924-25												
1	22	22	21	21	21	150	92	31	54	10	24	9
2	30	22	21	21	21	150	86	34	54	11	26	9
3	34	22	21	21	21	150	81	32	50	12	27	30
4	36	22	21	21	21	142	76	31	43	12	25	30
5	38	22	21	21	21	134	67	31	36	12	24	30
6	36	22	21	21	21	134	58	31	31	12	23	30
7	35	22	21	21	21	134	50	31	31	11	21	31
8	33	22	21	21	21	127	46	30	27	14	19	30
9	31	22	21	21	21	127	43	28	31	17	20	30
10	28	22	21	21	21	127	42	26	38	16	19	29
11	28	22	21	21	28	127	42	28	33	13	18	20
12	27	22	21	21	67	86	42	32	25	13	17	13
13	25	22	21	21	142	50	40	31	21	13	16	12
14	24	30	21	21	166	50	37	30	22	11	16	12
15	23	41	21	21	201	50	41	33	17	10	15	12
16	22	41	21	21	261	50	43	35	23	8	13	12
17	21	41	21	21	240	26	39	39	17	18	12	12
18	21	41	21	21	210	9	34	36	16	17	11	12
19	21	41	21	21	192	11	32	32	15	14	11	12
20	22	39	21	21	192	30	36	30	13	14	11	12
21	22	39	21	21	192	30	37	27	12	17	11	12
22	22	39	21	21	183	34	33	26	11	16	10	11
23	22	39	21	21	158	34	31	26	10	17	10	11
24	22	38	21	21	158	37	30	46	9	17	10	11
25	22	38	21	21	150	43	29	72	11	16	9	11
26	22	38	21	21	150	42	32	81	11	18	9	11
27	22	40	21	21	150	43	31	72	10	19	9	11
28	22	28	21	21	150	72	29	67	9	17	9	11
29	22	21	21	21	.....	86	29	67	11	16	9	11
30	22	21	21	21	.....	92	30	62	15	14	9	11
31	22	.....	21	21	.....	92	.....	62	.....	13	9	.....

Daily discharge, in second-feet, of Wanaque River at Greenwood Lake, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	11	10	50	20	43	150	81	36	9	6	15	12
2	11	10	58	19	43	150	81	33	12	15	15	12
3	11	9	76	18	42	150	76	34	16	38	14	12
4	11	9	114	18	43	134	81	33	13	40	14	12
5	11	9	142	20	46	120	72	28	13	40	14	12
6	11	9	183	21	46	102	72	27	12	40	14	12
7	42	9	183	20	50	102	72	26	12	40	13	12
8	42	9	174	20	54	127	81	24	12	40	13	12
9	42	9	150	22	46	134	102	22	11	39	19	12
10	42	9	127	21	41	127	102	17	11	39	29	11
11	42	9	114	19	38	114	102	17	10	39	29	11
12	42	9	97	18	36	108	92	16	10	39	30	11
13	42	10	92	17	33	97	86	13	9	39	26	11
14	42	11	81	16	34	86	76	14	9	38	14	11
15	42	11	72	16	38	76	76	15	11	38	14	10
16	41	15	62	16	41	72	62	17	10	37	13	10
17	23	43	54	16	39	62	62	16	9	36	13	10
18	11	54	50	18	39	58	54	15	8	36	13	12
19	11	54	46	33	43	54	50	14	8	34	13	12
20	11	58	41	40	58	62	46	16	7	22	13	11
21	11	54	41	50	67	72	40	13	6	22	13	10
22	11	54	46	58	67	76	38	12	6	22	13	8
23	11	54	43	62	67	86	38	13	6	22	13	7
24	11	50	40	62	67	92	37	10	6	21	13	7
25	11	43	37	54	72	97	43	10	7	20	13	7
26	11	41	34	50	142	102	43	8	7	20	13	7
27	10	43	32	46	166	97	41	8	7	19	13	7
28	10	54	30	43	166	92	38	8	6	12	13	7
29	10	50	27	40	.....	86	38	8	6	12	12	6
30	10	50	25	37	.....	76	36	7	6	12	11	5
31	10	.....	23	36	.....	76	.....	8	.....	13	12	.....
1926-27												
1	7.4	44	70	38	55	110	55	37	58	14	32	233
2	7.4	43	70	36	55	103	55	34	52	12	41	384
3	7.1	42	58	34	55	91	52	34	45	12	38	362
4	6.8	40	55	34	58	80	48	34	41	12	36	320
5	6.5	36	55	36	58	75	46	34	43	9.8	33	261
6	6.5	34	55	34	58	66	46	32	40	9.1	30	224
7	6.2	32	48	33	58	66	48	32	34	9.1	26	267
8	6.2	32	45	34	55	75	43	27	33	9.1	26	300
9	6.2	36	42	34	52	97	37	34	30	9.1	28	280
10	6.2	55	42	34	48	103	37	52	27	9.1	24	280
11	6.2	58	41	30	47	103	34	75	28	9.1	20	280
12	5.9	58	39	28	44	103	30	98	25	9.1	19	280
13	5.9	58	37	25	43	103	28	91	21	9.1	17	280
14	5.9	55	37	26	43	116	28	80	20	9.4	24	261
15	5.6	52	37	30	42	116	24	91	20	9.8	55	261
16	16	70	36	35	42	116	22	91	17	10	58	261
17	30	166	34	32	52	110	22	91	16	11	55	261
18	30	181	32	30	62	97	22	80	14	11	55	261
19	24	181	30	29	86	91	22	75	17	11	55	242
20	13	166	27	30	91	91	22	70	19	11	52	242
21	13	150	26	36	91	103	20	62	19	11	47	233
22	13	129	26	48	80	110	30	55	17	12	43	224
23	13	110	24	70	75	110	34	55	18	20	110	224
24	4	97	24	80	70	97	33	62	18	30	189	215
25	19	86	24	75	75	91	30	80	15	31	181	206
26	28	75	31	70	97	80	30	97	19	28	173	198
27	34	86	30	62	116	75	34	103	18	28	173	89
28	34	75	34	58	116	70	42	91	16	27	181	2.6
29	35	70	38	55	.....	66	40	75	15	26	206	0.5
30	36	70	39	55	.....	62	38	70	14	25	224	0.5
31	41	.....	38	55	.....	62	.....	62	.....	28	206	.....

Daily discharge, in second-feet, of Wanaque River at Greenwood Lake, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	0.5	97	136	0.3	86	103	75	97	1.4	122	65	66
2	.4	91	136	.3	86	77	75	103	1.4	116	48	47
3	.4	116	136	.3	86	47	86	97	1.4	91	36	46
4	.5	189	136	.2	75	6.5	91	97	1.4	75	28	62
5	.5	206	136	.2	75	6.5	103	97	1.4	62	24	62
6	.5	206	136	.2	56	6.2	97	97	1.4	109	28	50
7	.6	198	129	.2	32	13	97	91	1.3	300	36	47
8	.6	181	150	.2	35	31	97	86	1.2	261	34	43
9	.6	173	166	.2	57	41	91	189	1.2	215	31	37
10	.6	166	166	.2	86	72	91	184	10	158	28	32
11	.6	158	158	.1	91	86	91	22	21	97	68	25
12	.6	150	158	.1	91	80	86	9.1	25	80	91	22
13	1.1	143	158	.1	103	80	91	9.1	28	70	66	20
14	.8	136	158	.1	103	75	91	27	29	62	50	20
15	.6	129	158	.1	166	75	91	2.6	34	80	41	16
16	.5	122	158	.1	206	75	86	2.6	31	91	35	13
17	.5	122	150	.1	206	55	69	2.4	24	75	29	12
18	21	173	150	.1	198	36	57	2.3	20	62	70	12
19	66	189	143	.1	189	42	37	2.3	22	50	103	13
20	97	189	129	4.4	189	43	24	2.1	58	46	86	19
21	110	181	116	12	181	30	23	2.1	66	47	66	20
22	116	181	103	22	181	24	24	1.9	66	43	50	22
23	116	173	91	22	173	26	34	1.9	75	38	104	20
24	110	166	80	22	173	26	43	1.7	80	39	129	16
25	110	158	75	30	166	26	45	1.6	103	35	122	13
26	103	150	75	62	158	27	47	1.6	103	29	122	9.5
27	97	150	62	75	158	27	47	1.6	97	22	136	10
28	44	143	23	80	150	28	62	1.7	91	22	272	5.9
29	1.2	143	1.2	80	90	28	91	1.6	80	66	261	6.8
30	.8	136	.8	80	.....	38	97	1.7	103	80	198	4.7
31	37	.....	.8	80	.....	68	.....	1.6	.....	80	166	.....

NOTE.—These tables indicate discharge as regulated at Greenwood Lake. No record of gage height Nov. 24, 1921, to Feb. 9, 1922, gate at dam closed and no discharge over spillway, flow consists of leakage through dam. Discharge Sept. 1-7, 12, 19, 20, 22, 24, 26, 27, 29, 1926, and July 30 to Aug. 4, 1928, when gage height record is missing, determined by graphic study of gage heights, gage height records for Greenwood Lake, and records of Wanaque River at Wanaque.

Monthly discharge, in second-feet, of Wanaque River at Greenwood Lake, for the years ending September 30, 1919-1928.

Month	Discharge in second-feet		
	Maximum	Minimum	Mean
1919			
May 13-31	97	54	80.9
June	50	12	25.0
July	201	30	69.6
August	102	30	54.0
September	76	30	43.9
1919-20			
October	30	25	29.8
November	108	30	77.0
December	108	40	79.2
January	36	30	31.8
February	30	30	30.0
March	410	30	231
April	192	86	120
May	86	43	62.5
June	67	30	46.8
July	58	30	34.4
August	108	25	51.5
September	134	25	56.2
The year	410	25	73.7
1920-21			
October	261	43	82.3
November	86	43	51.7
December	166	72	110
January	97	43	60.8
February	54	36	36.8
March	272	67	130
April	97	50	71.3
May	97	43	66.9
June	43	30	35.8
July	30	28	29.9
August	43	8	29.3
September	34	23	28.6
The year	272	8	61.5
1921-22			
October	23	21	22.1
November	21	3	16.2
December	.....	.....	3.0
January	.....	.....	3.0
February	4	3	3.0
March	220	4	105
April	150	31	81.5
May	220	21	73.6
June	192	34	76.5
July	102	11	44.0
August	21	7	12.1
September	21	8	13.1
The year	220	.....	37.9
1922-23			
October	30	26	27.8
November	26	26	26.0
December	26	15	20.5
January	17	16	16.3
February	18	17	17.5
March	240	17	131
April	102	21	56.5
May	58	26	41.8
June	54	14	27.8
July	26	14	20.9
August	50	25	34.4
September	46	31	37.7
The year	240	14	38.4
1923-24			
October	58	4	35.3
November	9	3	5.63
December	62	7	31.4
January	240	58	109
February	62	23	39.5
March	120	19	52.5
April	540	62	164
May	192	50	97.2
June	50	12	23.8
July	50	8	18.1
August	41	8	21.1
September	21	20	20.9
The year	540	3	51.6
1924-25			
October	38	21	25.8
November	41	21	30.0
December	21	21	21.0
January	21	21	21.0
February	261	21	114
March	150	9	79.6
April	92	29	44.6
May	81	26	40.0
June	54	9	23.5
July	19	8	14.1
August	27	9	15.2
September	31	9	16.6
The year	261	8	36.6
1925-26			
October	42	10	21.2
November	58	9	28.6
December	183	23	75.6
January	62	16	30.5
February	166	33	59.5
March	150	54	98.0
April	102	36	64.1
May	36	7	17.4
June	16	6	9.17
July	40	6	28.7
August	30	11	15.4
September	12	5	9.97
The year	183	5	38.1
1926-27			
October	41	5.6	15.8
November	181	32	79.6
December	70	24	39.5
January	80	25	42.1
February	116	42	65.1
March	116	62	91.5
April	55	20	35.1
May	103	27	64.6
June	58	14	25.6
July	31	9.1	15.2
August	224	17	79.3
September	384	0.5	2 31
The year	384	0.5	65.1
1927-28			
October	116	0.4	33.5
November	206	91	157
December	166	.8	115
January	80	.1	18.5
February	206	32	126
March	103	6.2	45.1
April	103	23	71.3
May	189	1.6	40.0
June	103	1.2	39.3
July	300	22	87.8
August	272	24	84.6
September	66	4.7	26.4
The year	300	.1	70.2

Wanaque River at Wanaque.

LOCATION.—100 feet below Erie Railroad bridge and 400 feet below highway bridge in Wanaque, Passaic County.

DRAINAGE AREA.—91 square miles.

RECORDS AVAILABLE.—December 16, 1903, to December 31, 1905; May 1, 1912, to May 1, 1915; and May 13, 1919, to September 30, 1928. Record for 1903-1905 gage heights published in United States Geological Survey Water-Supply Papers 97, 125, and 166.

EQUIPMENT.—1903-1905: Chain gage on highway bridge.
1912-1922: Staff gage on left bank 100 feet upstream from railroad bridge.
Since April 2, 1922: Water-stage recorder on left bank, 100 feet downstream from railroad bridge.

CHANNEL AND CONTROL.—Channel, sand and gravel. Control is gravel riffle about 50 feet downstream from water-stage recorder.

EXTREMES OF DISCHARGE.—1903-1905, 1912-1915, 1919-1928: Maximum stage 8.35 feet July 22 or 23, 1919, determined by level from high water marks (discharge, uncertain); minimum stage recorded, 0.18 foot at 5:00 P. M. October 8, 1923 (discharge, 1.4 second-feet).

REGULATION.—Flow regulated by operation of sluice gates at Greenwood Lake, 11 miles upstream. See record of Greenwood Lake at The Glens, for effect of this regulation.

CO-OPERATION.—Gage height records since May 13, 1919, furnished by North Jersey District Water Supply Commission.

Daily discharge, in second-feet, of Wanaque River at Wanaque, for the years ending September 30, 1912-1915 and 1919-1928.

Day	Sept.	Day	Sept.	Day	Sept.
1912		1912		1912	
15	13	21	56	27	56
16	21	22	56	28	56
17	28	23	56	29	64
18	33	24	71	30	71
19	33	25	128		
20	50	26	56		

Daily discharge, in second-feet, of Wanaque River at Wanaque, for the years ending September 30, 1912-1915 and 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1912-13												
1	64	83	161	428	265	236	540	310	113	33	33	24
2	64	196	172	358	222	222	570	295	118	28	31	24
3	64	107	265	785	222	222	445	265	94	28	31	24
4	56	92	196	690	209	196	660	236	88	28	42	24
5	28	88	184	660	222	172	445	222	85	28	56	27
6	33	74	295	600	196	184	570	196	76	24	33	24
7	30	295	236	660	184	209	570	196	71	24	33	20
8	30	510	209	750	111	172	510	172	71	24	33	17
9	24	295	196	570	118	161	510	150	71	24	28	13
10	50	265	172	340	118	150	480	146	68	33	28	13
11	38	209	150	410	107	325	480	139	56	28	28	16
12	50	196	150	600	101	265	720	124	56	31	27	20
13	52	172	150	570	88	222	630	107	56	42	28	24
14	50	196	143	570	88	600	510	98	50	38	33	24
15	44	184	128	540	92	690	428	88	44	28	48	24
16	41	161	118	540	101	630	630	94	44	28	31	24
17	38	161	107	570	101	570	540	85	44	28	24	24
18	50	143	107	570	132	510	445	68	44	31	24	24
19	46	128	184	295	98	410	410	113	44	24	24	27
20	33	111	172	280	88	570	340	94	42	28	24	23
21	26	107	150	325	88	600	310	85	94	28	24	31
22	44	111	150	265	132	540	265	80	56	28	24	80
23	250	118	150	236	172	445	265	196	36	28	31	28
24	325	236	150	295	172	375	222	325	33	24	20	17
25	209	340	132	265	161	340	222	265	33	24	17	28
26	132	236	118	236	128	445	196	209	33	24	20	17
27	107	196	209	236	122	1,340	172	118	33	28	21	16
28	80	184	295	222	375	1,280	540	150	31	28	21	52
29	64	161	295	196	.....	925	410	172	24	28	24	128
30	66	161	510	184	.....	785	375	172	27	28	33	128
31	59	.....	445	196	.....	630	.....	113	.....	28	24	.....
1913-14												
1	71	139	172	222	600	150	785	340	103	48	31	33
2	71	124	150	209	540	172	890	310	85	265	33	33
3	60	113	146	184	480	161	785	280	68	161	33	33
4	28	36	128	196	428	161	660	250	85	118	33	33
5	24	38	128	280	375	150	540	375	107	85	28	33
6	24	76	124	265	325	150	480	750	184	64	28	33
7	20	83	161	222	295	150	480	570	94	135	28	33
8	24	76	222	209	325	128	445	445	128	135	31	33
9	21	392	161	196	280	128	750	410	103	98	24	33
10	24	750	150	184	250	128	570	375	71	76	24	33
11	24	540	139	172	250	128	45	340	71	71	28	42
12	54	392	139	172	184	139	428	660	64	60	24	44
13	38	325	128	161	150	139	375	570	54	60	24	44
14	71	295	118	139	146	161	295	480	50	56	28	50
15	54	295	118	128	150	172	295	428	54	56	31	50
16	42	325	107	118	139	184	445	375	56	56	36	50
17	33	392	107	118	150	325	410	340	56	48	68	50
18	31	340	107	118	150	410	325	295	64	50	60	44
19	38	295	98	118	150	325	295	250	56	42	56	44
20	33	280	88	118	139	325	325	236	68	28	56	50
21	33	280	88	172	128	358	340	196	56	28	60	56
22	33	222	113	128	128	325	310	172	50	60	60	56
23	36	222	113	128	128	280	280	172	44	48	54	48
24	56	209	358	172	128	250	250	139	44	44	38	44
25	660	172	295	250	128	310	236	113	68	124	33	50
26	820	172	570	236	118	570	600	107	54	113	33	50
27	295	150	392	295	113	590	690	118	44	94	33	50
28	236	139	325	280	94	1,380	480	161	48	71	33	56
29	209	209	250	310	.....	1,310	428	135	60	85	48	56
30	184	196	265	358	.....	1,100	358	103	48	56	42	50
31	146	.....	222	540	.....	820	.....	124	.....	42	33	.....

Daily discharge, in second-feet, of Wanaque River at Wanaque, for the years ending September 30, 1912-1915 and 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
1914-15							
1	50	44	44	76	855	445	85
2	50	44	44	56	785	392	80
3	50	41	38	54	690	340	80
4	48	33	33	48	480	295	88
5	50	38	33	44	410	250	139
6	44	38	36	56	690	236	161
7	44	38	76	1,100	690	222	222
8	50	44	161	375	630	222	196
9	50	54	124	236	540	209	172
10	50	36	107	222	428	196	172
11	50	33	107	209	325	172	265
12	44	38	107	480	295	172	540
13	44	38	103	1,610	295	172	630
14	50	38	510	750	280	161	480
15	50	265	325	630	410	150	392
16	60	310	222	510	340	150	358
17	68	118	161	510	295	146	325
18	33	59	135	820	280	139	310
19	28	56	113	995	265	139	280
20	28	48	107	750	250	139	250
21	24	36	107	630	265	146	209
22	27	33	94	510	265	139	184
23	27	38	88	480	250	128	172
24	21	33	88	480	310	128	172
25	33	33	85	445	1,030	118	161
26	28	33	64	410	750	113	161
27	31	44	56	375	570	107	150
28	33	64	56	325	510	107	150
29	36	56	64	310	.....	103	139
30	42	48	98	295	.....	88	150
31	44	.....	94	265	.....	88	.....

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1919						1919					
1	.....	118	71	250	107	16	184	64	50	150	128
2	.....	88	64	196	196	17	280	56	50	161	128
3	.....	107	56	161	690	18	358	88	44	265	128
4	.....	88	56	139	570	19	325	56	88	280	107
5	.....	88	56	128	325	20	265	50	118	184	107
6	.....	71	56	172	265	21	250	88	250	150	107
7	.....	71	56	480	236	22	280	71	820	139	98
8	.....	71	38	265	196	23	280	56	1,690	118	172
9	.....	71	44	161	184	24	250	44	750	107	161
10	.....	71	44	150	161	25	250	44	445	118	118
11	.....	71	50	139	236	26	250	71	340	98	98
12	.....	56	44	118	236	27	236	184	630	88	80
13	310	56	44	107	172	28	209	196	540	88	71
14	265	44	44	250	150	29	184	118	410	88	71
15	236	50	44	172	128	30	172	88	310	71	71
						31	150	.....	250	71	.....

Daily discharge, in second-feet, of Wanaque River at Wanaque, for the years ending September 30, 1912-1915 and 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-20												
1	71	222	392	118	64	71	570	280	128	107	71	56
2	88	310	358	107	71	80	570	265	107	80	71	44
3	88	295	325	88	71	88	630	236	98	71	71	44
4	80	250	295	80	71	88	540	184	88	88	71	28
5	71	570	250	71	71	161	600	172	280	71	56	24
6	71	428	222	71	71	750	720	161	310	71	71	24
7	71	392	310	71	71	750	570	150	222	56	56	22
8	71	325	265	98	71	690	445	161	196	64	56	107
9	56	295	410	209	71	600	410	172	172	56	56	88
10	56	265	510	184	71	570	375	172	150	56	71	150
11	71	250	375	184	71	570	325	161	107	56	196	139
12	98	250	375	139	71	570	295	209	107	139	128	750
13	107	445	340	128	71	1,380	510	196	172	150	150	358
14	88	392	358	118	71	1,490	445	250	150	98	172	265
15	209	340	310	107	80	995	358	236	118	88	196	184
16	128	310	310	88	88	890	310	209	107	88	236	172
17	222	295	265	71	88	1,380	540	196	128	71	280	150
18	150	265	172	71	88	1,170	510	184	250	71	222	128
19	128	236	172	71	88	995	392	172	196	98	222	128
20	128	222	209	71	80	820	358	150	150	64	196	107
21	128	184	222	71	71	785	428	196	150	56	184	107
22	128	172	196	71	71	750	410	690	128	64	139	88
23	128	172	196	71	88	820	375	428	128	139	139	80
24	150	161	172	88	88	960	340	310	107	750	107	71
25	139	150	172	88	80	1,030	310	280	88	445	118	107
26	128	222	161	88	71	995	310	265	88	172	88	107
27	128	392	150	88	71	995	295	196	88	118	71	98
28	128	310	150	80	56	820	340	184	88	98	71	71
29	128	250	150	71	64	820	310	172	71	88	71	71
30	128	445	150	64	.....	750	265	161	172	80	71	172
31	280	.....	139	56	.....	660	.....	128	.....	64	56	.....
1920-21												
1	1,490	107	340	196	88	570	570	236	80	222	50	21
2	690	56	510	196	128	540	480	236	80	118	50	33
3	510	196	410	222	128	785	445	236	80	98	80	38
4	445	139	340	209	128	750	375	236	80	80	64	38
5	375	107	890	172	118	570	295	265	80	80	56	38
6	280	80	600	222	128	570	265	295	80	64	50	28
7	236	56	540	222	139	570	250	358	64	44	56	28
8	196	56	480	222	150	570	236	325	64	28	236	28
9	196	71	375	222	118	690	295	325	50	28	98	28
10	172	80	340	184	128	785	250	295	38	540	80	38
11	150	88	325	172	150	570	196	236	38	196	80	38
12	128	71	295	139	150	570	209	209	38	150	80	56
13	128	56	250	128	150	540	184	280	38	139	80	64
14	128	56	785	209	139	510	184	310	38	118	64	64
15	107	64	995	750	128	510	196	236	38	107	64	64
16	107	88	690	570	128	540	209	209	28	98	64	50
17	107	358	540	410	128	510	250	209	38	80	64	50
18	107	222	445	358	107	510	295	184	44	64	64	50
19	107	161	392	295	107	358	265	184	38	50	44	50
20	107	139	358	250	107	250	265	184	38	358	28	44
21	107	128	340	222	128	280	236	161	38	128	28	44
22	88	107	295	236	150	250	222	150	38	88	38	98
23	88	445	510	250	128	236	325	139	38	64	38	56
24	88	392	375	222	118	222	480	139	50	64	33	50
25	88	340	340	222	107	785	445	172	50	64	24	50
26	88	325	340	209	107	510	340	184	50	64	16	50
27	88	265	325	196	150	510	310	150	50	50	16	38
28	172	250	310	150	600	480	280	98	50	50	16	38
29	128	236	265	128	.....	480	250	98	98	38	16	38
30	107	222	222	128	.....	310	236	98	310	56	16	38
31	107	.....	222	161	.....	410	.....	80	.....	50	16	.....

Daily discharge, in second-feet, of Wanaque River at Wanaque, for the years ending September 30, 1912-1915 and 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	38	38	80	33	24	107	660	88	107	156	49	63
2	38	80	71	24	98	107	500	91	109	256	89	32
3	38	44	265	24	139	139	420	87	290	223	72	30
4	38	44	184	24	88	107	400	102	950	344	83	171
5	38	33	107	38	88	172	381	344	530	362	63	168
6	38	33	88	56	88	236	325	290	560	290	52	79
7	38	33	71	44	88	295	308	208	420	240	46	72
8	38	33	56	44	64	1,380	308	186	325	192	45	60
9	38	33	56	38	56	750	290	162	273	223	44	54
10	38	44	56	33	56	660	256	148	223	168	38	54
11	38	44	56	33	56	630	240	134	208	142	35	48
12	38	38	56	33	56	570	240	122	208	124	30	55
13	38	33	50	33	56	540	223	109	151	109	27	54
14	38	33	28	33	44	540	208	102	124	109	26	42
15	38	44	24	33	44	510	325	96	109	100	26	40
16	38	44	21	33	44	510	273	87	100	83	24	37
17	38	56	33	33	44	375	256	79	107	74	22	34
18	38	56	161	24	33	310	290	273	308	81	22	32
19	38	56	139	33	38	295	256	1,180	256	223	29	31
20	38	56	80	56	80	570	240	760	174	119	25	30
21	44	71	71	44	88	820	208	560	240	94	19	31
22	38	56	56	44	118	392	192	400	223	79	19	29
23	38	56	56	44	196	358	180	308	174	74	21	28
24	33	50	64	24	358	340	168	256	140	64	21	27
25	33	44	98	24	150	295	156	240	124	79	24	25
26	33	33	80	24	139	280	148	273	114	63	33	22
27	33	38	56	24	150	250	140	223	107	55	30	22
28	33	88	44	18	150	250	126	186	126	55	30	23
29	33	184	38	24	.....	295	114	162	105	52	29	22
30	33	118	28	24	.....	250	102	140	94	45	25	23
31	33	.....	33	24	.....	428	.....	122	.....	41	40	.....
1922-23												
1	39	45	60	200	116	66	240	290	74	34	38	40
2	44	46	50	440	126	72	223	240	68	33	38	39
3	45	48	50	223	129	87	223	208	68	33	37	39
4	45	49	40	180	120	250	223	192	87	34	33	39
5	45	49	40	140	102	440	256	174	105	37	38	40
6	45	50	46	122	83	470	440	168	89	34	39	54
7	48	52	33	100	94	420	344	154	192	32	38	55
8	72	54	49	83	96	400	308	137	223	31	38	75
9	70	54	49	109	96	344	290	142	171	29	37	105
10	77	55	40	105	91	273	256	180	132	38	35	64
11	81	56	30	91	90	256	223	148	109	49	34	60
12	63	58	49	91	90	325	208	142	88	40	35	40
13	58	58	44	91	87	400	192	192	87	38	37	35
14	49	60	32	90	96	440	186	159	79	37	35	44
15	42	62	42	96	112	362	162	140	89	42	34	45
16	42	63	33	83	79	560	151	145	79	40	33	45
17	42	64	36	74	72	1,090	137	192	68	37	33	45
18	42	64	40	66	70	830	124	159	62	34	32	45
19	41	66	32	81	74	795	119	140	54	34	41	45
20	41	72	26	77	68	655	112	129	50	34	46	45
21	41	74	37	200	72	590	105	192	46	33	55	64
22	41	74	32	400	70	590	88	208	44	32	63	58
23	41	74	30	290	66	760	94	162	40	32	62	66
24	41	74	30	192	52	955	87	145	38	31	60	89
25	41	72	30	249	50	690	81	132	35	34	58	62
26	42	66	34	174	62	560	77	119	42	33	56	55
27	41	63	35	156	64	470	74	109	64	34	56	54
28	42	70	83	140	68	440	72	88	44	37	58	50
29	42	70	54	122	.....	344	655	94	41	40	68	49
30	44	70	44	107	.....	325	400	85	38	39	62	48
31	44	.....	40	96	.....	290	.....	77	.....	38	44	.....

Daily discharge, in second-feet, of Wanaque River at Wanaque, for the years ending September 30, 1912-1915 and 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	48	83	495	208	223	79	325	362	145	39	25	28
2	46	66	290	192	192	79	325	273	129	33	19	44
3	46	56	223	334	189	77	325	240	119	30	19	33
4	46	54	183	420	183	81	381	208	114	28	18	29
5	45	49	186	325	192	102	470	192	109	26	18	27
6	44	48	854	256	256	151	540	177	102	25	18	27
7	45	56	590	273	223	189	3,630	168	100	23	18	26
8	24	64	400	240	189	156	1,760	240	96	91	17	26
9	41	56	308	208	162	156	1,090	530	102	290	17	39
10	44	48	273	208	148	192	870	625	89	116	19	68
11	52	45	256	443	151	233	690	625	79	87	18	38
12	55	45	240	625	145	290	560	891	74	68	39	32
13	55	42	208	440	132	240	500	910	74	74	70	32
14	55	41	208	381	114	223	440	655	74	81	55	31
15	55	40	180	325	124	192	362	590	72	62	49	29
16	56	39	171	355	109	177	325	530	64	52	46	29
17	55	39	168	1,210	96	168	290	440	56	46	44	*29
18	55	41	156	760	100	174	348	381	55	41	32	29
19	70	41	140	590	83	186	830	381	52	34	30	29
20	81	39	132	530	91	186	560	344	48	31	29	28
21	58	39	129	400	137	208	530	325	48	28	29	27
22	48	39	134	273	116	192	470	308	46	27	28	30
23	60	42	223	308	102	223	470	256	41	26	28	49
24	565	168	273	290	96	256	381	223	42	24	28	39
25	455	151	223	325	91	273	344	240	39	23	44	34
26	208	107	208	344	89	273	308	208	39	23	63	33
27	114	94	189	290	87	273	273	186	37	20	46	32
28	79	85	192	256	83	308	240	189	38	19	34	32
29	66	77	223	256	81	344	208	208	40	19	31	33
30	63	262	208	240	.....	400	223	192	42	18	29	366
31	91	.....	192	240	.....	381	.....	171	.....	19	28	.....
1924-25												
1	624	42	35	49	52	374	304	158	158	48	220	21
2	208	42	37	46	52	525	290	150	143	41	116	21
3	140	41	34	46	52	437	276	133	135	40	80	32
4	107	40	39	46	50	358	248	123	128	40	68	37
5	98	39	37	49	50	345	234	121	116	36	61	42
6	89	39	102	54	50	345	206	111	102	37	61	42
7	81	39	114	52	55	345	193	107	86	36	61	68
8	77	38	114	52	62	332	185	102	76	51	52	56
9	74	37	140	50	75	318	169	93	76	76	52	46
10	68	37	109	46	231	304	161	82	116	51	111	44
11	68	55	91	48	723	290	206	91	88	44	66	42
12	66	58	81	45	1,650	248	174	153	72	37	51	30
13	63	56	75	46	860	220	158	135	63	33	48	28
14	58	56	81	45	597	206	145	123	61	31	52	30
15	56	62	60	40	550	193	206	161	54	32	45	30
16	56	60	72	41	715	177	206	148	78	44	40	76
17	55	56	72	54	585	150	174	130	64	209	37	58
18	52	54	79	62	493	193	158	130	54	84	36	41
19	50	50	77	58	437	361	148	116	51	54	35	35
20	48	54	72	54	410	345	153	107	45	44	33	32
21	44	55	48	50	410	262	145	98	44	40	33	29
22	42	80	42	50	410	248	133	91	42	72	32	26
23	42	126	45	48	437	220	128	78	40	121	31	26
24	41	96	58	42	410	206	123	188	38	66	30	26
25	42	79	85	54	384	193	116	384	42	51	28	25
26	42	74	63	54	465	188	133	290	59	58	26	25
27	42	77	54	54	465	182	130	248	45	66	23	26
28	42	81	52	50	345	407	121	220	41	54	21	26
29	42	50	42	50	.....	384	114	193	40	54	21	26
30	42	45	42	52	.....	332	123	206	59	46	22	26
31	42	.....	48	52	.....	332	.....	180	.....	55	21	.....

Daily discharge, in second-feet, of Wanaque River at Wanaque, for the years ending September 30, 1912-1915 and 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	26	55	161	76	206	410	304	121	46	23	29	35
2	26	42	206	78	150	465	248	116	78	22	28	46
3	29	41	342	78	133	465	234	111	74	37	27	59
4	35	41	615	80	78	358	304	109	61	50	26	37
5	42	37	522	88	156	318	262	98	51	51	19	76
6	70	45	680	98	150	276	248	91	48	51	22	140
7	56	42	522	88	148	342	248	88	48	52	23	111
8	51	50	437	69	133	493	318	86	54	51	23	59
9	50	64	384	60	111	384	410	82	46	50	23	63
10	64	44	332	60	100	318	345	76	42	51	31	54
11	65	40	304	50	95	318	304	72	38	54	37	54
12	65	40	276	48	95	290	276	70	36	51	40	45
13	61	473	248	46	100	262	262	66	37	50	71	44
14	54	426	220	46	109	234	248	93	38	48	161	41
15	93	220	206	46	182	220	234	93	48	50	234	36
16	86	424	182	48	177	206	206	88	50	56	276	33
17	80	340	174	50	161	185	188	88	45	51	220	36
18	65	262	156	111	153	185	169	78	36	51	138	36
19	56	234	145	363	256	188	153	58	32	54	135	36
20	48	220	145	206	318	234	145	61	30	41	38	33
21	41	190	166	185	248	276	130	63	30	35	61	31
22	37	177	188	304	234	290	126	58	27	33	56	31
23	30	166	171	206	206	304	126	58	28	33	72	31
24	29	148	140	170	193	318	123	54	31	37	63	31
25	220	133	135	150	304	304	193	50	33	46	64	31
26	150	126	114	140	820	304	153	59	32	36	76	44
27	116	158	76	120	615	290	135	51	30	33	76	38
28	88	220	91	120	465	262	128	50	28	30	56	36
29	61	136	93	110	.....	234	128	45	25	27	48	41
30	56	140	84	114	.....	220	118	41	25	37	40	40
31	45	.....	78	121	.....	234	.....	40	.....	30	37	.....
1926-27												
1	37	161	262	148	171	332	170	130	206	63	123	780
2	36	140	234	128	169	304	166	121	177	58	158	2,480
3	35	128	188	133	182	248	166	114	148	54	114	1,220
4	32	114	171	128	220	220	161	111	138	54	91	860
5	31	104	118	143	177	220	145	111	150	48	80	680
6	40	100	158	135	169	206	163	109	140	46	78	553
7	44	98	163	116	163	220	153	102	123	46	68	465
8	35	93	169	116	156	318	135	95	111	45	108	493
9	30	140	158	102	140	384	118	126	104	41	248	465
10	28	437	153	93	150	345	114	248	91	40	114	437
11	28	318	143	78	180	332	107	368	86	40	84	410
12	28	248	135	80	140	332	93	318	80	38	70	410
13	28	220	130	78	130	345	91	276	63	37	63	384
14	29	193	143	88	128	384	88	248	68	35	108	384
15	29	180	145	95	135	358	84	370	80	36	568	358
16	25	304	118	91	143	332	80	318	72	36	290	345
17	52	680	111	98	188	318	82	276	64	48	220	345
18	66	465	95	123	262	290	82	248	61	63	220	345
19	63	522	93	135	290	280	80	234	74	44	262	358
20	59	437	93	171	248	300	78	220	107	38	193	345
21	109	384	100	206	276	340	76	193	88	35	169	332
22	68	615	102	248	248	360	114	180	76	35	148	318
23	58	290	91	318	234	340	166	169	70	201	153	304
24	52	262	80	276	262	300	130	276	72	215	304	290
25	650	234	88	234	304	280	114	358	68	121	276	290
26	290	220	107	206	522	240	107	384	86	98	276	276
27	193	318	107	190	437	240	116	332	84	100	466	223
28	148	262	126	185	358	240	193	276	68	88	585	63
29	133	220	234	182	.....	220	150	248	63	68	1,090	54
30	121	248	180	185	.....	200	138	234	63	63	790	48
31	126	.....	148	182	.....	180	.....	220	.....	91	493	.....

Daily discharge, in second-feet, of Wanaque River at Wanaque, for the years ending September 30, 1912-1915 and 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	45	171	304	215	220	262	50	72	40	32	26	26
2	42	193	318	101	206	234	50	72	38	30	26	26
3	42	446	437	80	193	220	51	72	37	29	26	27
4	244	1,320	358	75	166	177	46	72	37	29	27	27
5	112	940	345	75	180	143	31	72	37	29	27	27
6	78	650	345	80	177	128	26	72	37	30	27	27
7	63	522	318	84	153	111	30	68	37	29	27	27
8	58	465	774	91	220	98	30	52	37	29	27	27
9	56	410	750	104	332	88	28	42	38	29	27	27
10	68	384	532	86	332	124	30	42	38	28	27	27
11	59	358	465	74	290	234	28	42	38	26	27	27
12	51	358	465	32	248	188	31	42	37	25	26	27
13	265	332	437	14	234	220	31	42	37	25	26	27
14	220	304	522	44	248	234	31	42	35	29	26	27
15	133	290	522	58	465	220	32	42	32	29	26	27
16	104	276	493	72	522	193	33	41	31	29	27	27
17	102	332	437	84	493	273	33	41	31	29	27	27
18	419	715	318	80	493	276	32	44	31	28	26	27
19	1,060	615	318	76	465	220	32	44	32	28	26	27
20	990	465	318	100	437	193	32	44	32	28	26	27
21	615	410	290	93	410	188	33	44	32	27	26	27
22	437	384	276	104	437	174	33	42	32	27	26	28
23	384	358	262	100	465	115	33	38	32	28	26	28
24	345	358	206	102	465	37	40	38	32	27	26	28
25	304	358	193	282	465	40	60	38	32	25	27	28
26	290	332	193	304	437	41	64	38	32	25	28	28
27	262	332	182	262	410	42	64	38	32	26	27	28
28	234	332	158	234	384	44	68	38	32	26	27	28
29	148	332	138	206	345	45	72	38	32	25	27	28
30	121	318	156	220	.....	46	72	38	32	28	27	28
31	109	.....	158	220	.....	48	.....	38	.....	25	27	.....

NOTE.—Stage-discharge relation affected by brush lodged against piles under railroad bridge Apr. 1 to Oct. 23, 1921; correction for backwater effect based on current-meter measurements. No gage height record Dec. 1-5, 10, 17, 24, 25, 31, 1922; Jan. 1, 7, 14, 21, 28, Feb. 4, 11, 12, 18, 22, 25, Mar. 4, 1923; Oct. 4, 11, 12, 18, 25, Nov. 1-8, 1925; and Mar. 19 to Apr. 1, 1927. Stage-discharge relation affected by ice Jan. 9-17, 24-29, and Feb. 10-13, 1926. Discharge for these periods determined by graphic study of records, weather records, and records for nearby streams, especially records for Wanaque River at Greenwood Lake. Gates in Wanaque dam partly closed and filling of reservoir began Mar. 23, 1928.

Monthly discharge of Wanaque River at Wanaque, for the years ending September 30, 1913-1915 and 1919-1928.

[Drainage area, 91 square miles.]

Month	Discharge in second-feet			Month	Discharge in second-feet		
	Maximum	Minimum	Mean		Maximum	Minimum	Mean
1912-13				1913-14			
October	325	24	72.5	October	820	20	113
November	510	83	184	November	750	36	243
December	510	107	197	December	570	88	183
January	785	184	434	January	540	118	206
February	375	88	150	February	600	94	231
March	1,340	150	465	March	1,380	128	369
April	720	172	447	April	890	236	466
May	325	68	164	May	750	103	310
June	118	24	57.8	June	184	44	71.2
July	42	24	28.3	July	265	28	79.9
August	56	17	29.0	August	68	24	37.8
September	128	13	32.2	September	56	33	43.8
The year	1,340	13	189	The year	1,380	20	196

Monthly discharge of Wanaque River at Wanaque, for the years ending September 30, 1913-1915 and 1919-1928—Continued.

Month	Discharge in second-feet		
	Maximum	Minimum	Mean
1914-15			
October	68	21	41.7
November	310	33	61.0
December	510	33	112
January	1,610	44	453
February	1,030	250	471
March	445	88	181
April	630	80	229
1919			
June	184	44	79.8
July	1,690	38	244
August	480	71	163
September	690	71	183
1919-20			
October	280	56	118
November	570	150	294
December	392	139	261
January	209	56	96.2
February	88	56	74.4
March	1,490	71	758
April	720	265	429
May	690	128	229
June	310	71	145
July	750	56	120
August	280	56	121
September	750	24	138
The year	1,490	24	232
1920-21			
October	1,490	88	223
November	445	56	165
December	995	222	434
January	750	128	241
February	600	88	144
March	785	222	508
April	570	184	295
May	358	80	210
June	310	28	61.5
July	540	28	109
August	236	16	55.1
September	98	21	44.9
The year	1,490	16	209
1921-22			
October	44	33	36.9
November	184	33	53.8
December	265	21	74.4
January	56	18	32.9
February	358	24	94.0
March	1,380	107	412
April	660	102	264
May	1,180	87	243
June	950	94	233
July	362	41	139
August	89	19	36.7
September	171	22	47.9
The year	1,380	18	139
1922-23			
October	81	39	48.1
November	74	45	61.1
December	83	26	41.0
January	440	66	150
February	129	50	85.5
March	1,090	66	469
April	655	72	205
May	290	77	156
June	223	35	80.2
July	49	29	35.6
August	68	32	44.3
September	105	35	53.1
The year	1,090	26	120
1923-24			
October	565	24	91.1
November	262	39	68.5
December	854	129	253
January	1,210	192	372
February	256	81	137
March	400	77	208
April	3,630	208	602
May	910	168	363
June	145	37	72.2
July	290	18	49.1
August	70	17	31.9
September	366	26	44.3
The year	3,630	17	191
1924-25			
October	624	41	83.9
November	126	37	57.3
December	140	34	67.7
January	62	40	49.6
February	1,650	50	396
March	525	150	291
April	304	114	175
May	384	78	150
June	158	38	73.9
July	209	31	56.5
August	220	21	52.0
September	76	21	35.7
The year	1,650	21	122
1925-26			
October	220	26	64.4
November	473	37	159
December	680	76	245
January	363	46	114
February	820	78	218
March	493	185	296
April	410	118	216
May	121	40	74.6
June	78	25	40.9
July	56	22	42.6
August	276	19	74.2
September	140	31	47.6
The year	820	19	132
1926-27			
October	650	25	87.2
November	680	93	271
December	234	80	140
January	318	78	151
February	522	128	221
March	384	180	291
April	193	76	122
May	384	95	226
June	206	61	96.0
July	215	35	65.3
August	1,090	63	258
September	2,480	48	477
The year	2,480	25	200
1927-28			
October	1,060	42	241
November	1,320	171	435
December	774	138	354
January	304	14	121
February	522	153	341
March	276	37	150
April	72	26	40.9
May	72	38	48.0
June	40	31	34.4
July	32	25	27.7
August	28	26	26.6
September	28	26	27.2
The year	1,320	14	153

NOTE.—These tables indicate discharge as regulated at Greenwood Lake. Gates in Wanaque dam partly closed and filling of reservoir bega n March 23, 1928.

Pequannock River at Macopin Intake Dam.

LOCATION.—At Macopin intake dam of the Newark waterworks about 3 miles above Butler, Morris County.

DRAINAGE AREA.—62.7 and 63.7 square miles. In September, 1911, a small brook was permanently diverted into the Pequannock basin increasing the drainage area one square mile.

RECORDS AVAILABLE.—January 1, 1892, to September 30, 1928.

EQUIPMENT.—Water-stage recorder in gate house at left end of dam. Venturi meter measures water diverted. Staff gages in the various storage reservoirs.

CONTROL.—Spillway crest of intake dam.

DIVERSIONS AND REGULATION.—Water is diverted from stream at intake dam only. Flow above dam regulated by several reservoirs. Part of monthly discharge tables corrected for diversion and storage.

CO-OPERATION.—Gages and meter owned and operated by Bureau of Water, City of Newark, which bureau furnished the base data for these records.

Daily discharge, in second-feet, of Pequannock River at Macopin intake dam, for the years ending September 30, 1926-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	0	0	0	2.9	15	95	179	14	0	0	0	0
2	0	0	0	0	.8	101	151	9.3	3.9	0	0	0
3	0	0	69	0	.8	80	136	1.9	2.2	0	0	.6
4	0	0	149	0	0	20	154	23	0	0	0	0
5	2.2	0	141	.6	14	8.5	143	0	0	0	0	12
6	0	0	160	4.5	33	33	127	0	0	0	0	32
7	0	0	123	0	14	82	136	0	0	0	0	12
8	2.2	0	85	1.9	9	128	206	0	0	0	0	0
9	0	2.2	56	0	7.1	124	275	.9	0	0	0	.8
10	0	0	29	2.6	6.3	118	256	0	0	0	0	.6
11	0	0	.6	2.2	5.6	124	230	0	0	2.2	0	0
12	0	0	0	2.9	12	99	190	0	0	0	0	0
13	0	181	11	0	19	73	110	0	0	0	0	0
14	0	97	3.9	.6	182	69	93	3.7	0	0	23	0
15	3.4	64	0	2.2	182	51	89	0	2.2	0	12	0
16	0	101	0	1.5	14	24	73	0	0	0	0	0
17	0	67	0	.6	11	19	77	1.9	.9	0	2.8	0
18	0	41	24	37	17	24	49	0	0	0	0	0
19	0	25	15	65	26	32	46	0	0	.6	0	0
20	0	7.1	7.1	23	25	95	44	0	0	0	0	0
21	0	0	11	17	29	155	1.2	0	0	0	0	0
22	0	0	12	15	21	160	5.9	0	0	0	0	0
23	0	0	7.1	8.7	12	177	3.9	0	0	0	0	0
24	0	0	6.3	11	9.6	200	9.0	0	0	0	0	0
25	1.7	0	0	1.7	65	197	52	0	0	0	0	0
26	0	0	0	3.7	149	200	51	0	0	0	0	0
27	0	20	0	0	124	212	25	0	0	0	0	0
28	0	20	9.6	0	99	186	0	0	0	0	0	0
29	0	0	12	7.1	.....	147	8.5	0	0	0	0	0
30	0	0	2.9	12	.....	128	0	0	0	0	0	0
31	0	.....	3.4	9	.....	155	.....	0	.....	0	0	.....

Daily discharge, in second-feet, of Pequannock River at Macopin intake dam, for the years ending September 30, 1926-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	0	0.6	0	0	0	56	49	20	22	0	0	237
2	0	0	0	0	0	99	69	2.6	2.6	0	0	416
3	0	0	0	0	.9	0	65	0	0	0	0	431
4	0	0	0	0	3.7	0	49	0	0	0	0	431
5	0	0	0	2.8	0	0	49	5.9	0.6	0	0	284
6	0	0	0	0	1.7	5.6	53	3.7	.9	0	0	165
7	0	0	3.1	0	0	42	49	12	0	0	0	134
8	0	0	3.4	0	0	227	22	0	0	0	0	86
9	0	0	0	0	0	189	0	0	0	0	0	65
10	0	46	0	0	0	189	5.6	39	0	0	0	35
11	0	5.6	0	0	0	182	0	109	0	0	0	25
12	0	0	0	0	0	200	0	128	0	0	0	11
13	0	0	0	0	0	225	0	86	0	0	0	0
14	0	0	1.1	0	0	270	0	61	0	0	0	0
15	0	0	0	0	0	312	0	109	0	0	0	0
16	0	141	0	0	0	290	0	90	0	0	0	0
17	0	260	0	8.5	0	250	0	25	0	0	0	0
18	0	128	0	4.6	11	225	0	0	0	0	0	0
19	0	104	0	0	12	200	0	0	0	0	0	1.7
20	0	67	0	2.6	9.6	200	0	77	0	0	0	0
21	2.2	38	0	13	19	225	0	90	0	0	0	0
22	0	10	0	35	18	225	28	0	0	0	0	0
23	0	0	0	28	17	177	77	0	0	24	0	0
24	0	0	0	.6	23	133	38	114	0	19	0	0
25	144	0	0	0	30	118	5.6	177	0	0	0	0
26	0	0	0	.6	75	81	0	177	0	0	0	0
27	28	49	.6	1.1	49	73	0	144	0	0	12	0
28	0	16	5.6	0	26	73	82	81	0	0	90	0
29	0	3.9	4.6	5.6	.....	69	73	53	0	0	212	0
30	0	3.9	0	0	.....	53	35	46	0	0	114	0
31	0	.....	0	0	.....	49	.....	32	.....	0	49	.....
1927-28												
1	0	4.8	149	133	0	124	138	270	0	189	0	155
2	0	15	155	15	0	115	114	237	0	114	0	90
3	0	254	263	36	0	69	95	177	0	63	0	73
4	53	605	250	10	0	32	86	144	0	38	0	69
5	65	569	212	3.7	3.9	27	73	128	30	77	0	42
6	15	417	177	1.1	13	17	73	114	182	318	1.9	32
7	0	263	177	.3	11	7.1	77	97	206	393	0	35
8	0	149	385	0	93	3.4	90	82	144	290	0	19
9	0	128	497	0	206	10	73	73	128	138	0	9.0
10	0	128	385	8.2	177	37	53	37	160	114	0	1.5
11	0	128	317	3.4	124	49	61	8.2	128	95	0	0
12	0	128	308	1.1	124	53	128	5.6	77	65	0	0
13	56	119	305	0	86	90	160	3.6	38	86	0	0
14	42	84	312	0	133	165	160	0	28	160	0	0
15	49	53	290	0	471	138	155	0	25	200	0	0
16	24	61	305	0	424	81	119	0	17	128	0	0
17	24	723	277	0	270	56	97	0	0	61	0	0
18	171	1,410	231	0	228	56	82	7.1	0	28	0	0
19	559	936	212	0	215	53	56	16	1.7	9.0	0	0
20	632	551	189	22	189	49	32	7.1	73	.8	0	0
21	447	362	99	0	160	49	35	22	65	.3	0	0
22	312	297	69	0	155	49	95	19	77	0	15	0
23	212	290	69	1.7	297	49	204	10	86	28	52	0
24	177	283	69	0	431	49	263	2.6	114	20	81	0
25	138	270	73	56	393	61	243	0	90	7.1	155	0
26	73	228	65	2.2	340	73	182	0	73	0	277	0
27	46	212	49	0	194	73	194	0	73	0	416	0
28	46	222	35	0	128	45	318	0	56	87	416	0
29	39	212	51	1.5	119	56	362	0	86	133	333	0
30	28	182	73	3.4	.....	244	310	0	195	49	270	0
31	14	.....	90	0	.....	182	.....	0	.....	0	218	.....

NOTE.—These tables indicate flow over dam only.

Monthly discharge of Pequannock River at Macopin intake dam, for the years ending September 30, 1892-1928.

[Drainage area, 63.7 square miles.]*

Month	Discharge in second-feet		Run-off in inches
	Mean	Per square mile	
1892			
January	327	5.22	6.02
February	96.5	1.54	1.66
March	142	2.26	2.61
April	99.0	1.58	1.76
May	115	1.83	2.11
June	141	2.25	2.51
July	28.5	.455	.52
August	29.2	.466	.54
September	27.4	.437	.49
1892-93			
October	8.7	.139	.16
November	92.1	1.47	1.64
December	84.8	1.35	1.56
January	101	1.61	1.86
February	232	3.70	3.85
March	376	6.00	6.92
April	243	3.88	4.33
May	272	4.34	5.00
June	48.4	.772	.86
July	17.5	.279	.32
August	69.3	1.11	1.28
September	41.0	.654	.73
The year	132	2.11	28.51
1893-94			
October	77.7	1.24	1.43
November	127	2.03	2.26
December	211	3.37	3.88
January	72.2	1.15	1.33
February	130	2.07	2.16
March	265	4.23	4.88
April	181	2.89	3.22
May	163	2.60	3.00
June	112	1.79	2.00
July	10.2	.163	.19
August	7.3	.116	.13
September	135	2.15	2.40
The year	124	1.98	26.88
1894-95			
October	113	1.80	2.08
November	214	3.41	3.80
December	172	2.74	3.16
January	185	2.95	3.40
February	54.5	.869	.90
March	188	3.00	3.46
April	311	4.96	5.53
May	84.5	1.35	1.56
Jpne	33.8	.539	.60
July	39.5	.630	.73
August	18.2	.290	.33
September	5.7	.091	.10
The year	118	1.88	25.65
1895-96			
October	17.2	0.274	0.32
November	52.1	.831	.93
December	64.6	1.03	1.19
January	87.2	1.39	1.60
February	362	5.77	6.22
March	332	5.30	6.11
April	184	2.93	3.27
May	47.4	.756	.87
June	79.4	1.27	1.42
July	83.8	1.34	1.54
August	27.8	.443	.51
September	105	1.67	1.86
The year	119	1.90	25.84
1896-97			
October	103	1.64	1.89
November	187	2.98	3.32
December	90.5	1.44	1.66
January	98.8	1.43	1.65
February	201	3.21	3.34
March	198	3.16	3.64
April	172	2.74	3.06
May	198	3.16	3.64
June	92.1	1.47	1.64
July	199	3.17	3.66
August	140	2.23	2.57
September	41.8	.667	.74
The year	143	2.28	30.81
1897-98			
October	20.9	.333	.38
November	90.0	1.44	1.61
December	176	2.81	3.24
January	204	2.25	3.75
February	241	3.84	4.00
March	156	2.49	2.87
April	152	2.42	2.70
May	341	5.44	6.27
June	66.9	1.07	1.19
July	19.1	.305	.35
August	56.7	.904	1.04
September	10.1	.161	.18
The year	127	2.03	27.58
1898-99			
October	45.7	.729	.84
November	138	2.20	2.46
December	169	2.70	3.11
January	212	3.38	3.90
February	207	3.30	3.44
March	424	6.76	7.79
April	239	3.81	4.25
May	57.1	.911	1.05
June	19.5	.311	.35
July	39.9	.636	.73
August	39.3	.627	.72
September	37.5	.598	.67
The year	135	2.15	29.31

*See paragraph under "Drainage Area."

Monthly discharge of Pequannock River at Macopin intake dam, for the years ending September 30, 1892-1928—Continued.

Month	Discharge in second-feet		Run-off in inches	Month	Discharge in second-feet		Run-off in inches
	Mean	Per square mile			Mean	Per square mile	
1899-1900				1903-4			
October	34.0	0.542	0.62	October	532	8.48	9.78
November	84.7	1.35	1.51	November	80.8	1.29	1.44
December	93.9	1.50	1.73	December	167	2.66	3.07
January	150	2.39	2.76	January	156	2.49	2.87
February	415	6.62	6.89	February	139	2.22	2.39
March	248	3.96	4.56	March	298	4.75	5.48
April	125	1.99	2.22	April	191	3.05	3.40
May	132	2.11	2 43	May	113	1.80	2.08
June	41.7	.665	.74	June	108	1.72	1.92
July	12.7	.203	.23	July	28.0	.447	.52
August	10.1	.161	.19	August	24.4	.389	.45
September	6.4	.102	.11	September	59.6	.951	1.06
The year	111	1.77	23.99	The year	159	2.54	34.46
1900-1901				1904-5			
October	6.9	.110	.13	October	109	1.74	2.01
November	21.9	.349	.39	November	76.3	1.22	1.36
December	38.4	.612	.71	Deecmber	73.8	1.18	1.36
January	36.8	.587	.68	January	276	4.40	5.07
February	16.7	.266	.28	February	72.8	1.16	1.21
March	247	3.94	4.54	March	357	5.69	6.56
April	380	6.06	6.76	April	162	2.58	2.88
May	210	3.35	3.86	May	40.8	.651	.75
June	87.1	1.39	1.55	June	31.4	.501	.56
July	46.1	.735	.85	July	17.3	.276	.32
August	289	4.61	5.32	August	12.9	.206	.24
September	108	1.72	1.92	September	77.1	1.23	1.37
The year	125	1.99	26.99	The year	109	1.74	23.69
1901-2				1905-6			
October	66.5	1.06	1.22	October	62.3	.994	1.15
November	56.1	.895	1.00	November	37.3	.595	.66
December	251	4.00	4.61	December	105	1.67	1.92
January	234	3.73	4.30	January	129	2.06	2.38
February	136	2.17	2.26	February	103	1.64	1.71
March	414	6.60	7.61	March	217	3.46	3.99
April	218	3.48	3.88	April	282	4.50	5.02
May	105	1.67	1.92	May	141	2.25	2.59
June	54.6	.871	.97	June	115	1.83	2.04
July	92.9	1.48	1.71	July	218	3.48	4.01
August	59.1	.943	1.09	August	172	2.74	3.16
September	84.5	1.35	1.51	September	32.7	.522	.58
The year	148	2.36	32.08	The year	135	2.15	29.21
1902-3				1906-7			
October	203	3.24	3.74	October	50.0	.797	.92
November	81.2	1.30	1.45	November	63.5	1.01	1.13
December	238	3.80	4.38	December	72.3	1.15	1.33
January	200	3.19	3.68	January	265	4.23	4.88
February	238	3.80	3.96	February	76.2	1.22	1.27
March	337	5.37	6.19	March	268	4.27	4.92
April	290	4.63	5.17	April	157	2.50	2.79
May	38.8	.619	.71	May	119	1.90	2.19
June	280	4.47	4.99	June	102	1.63	1.82
July	124	1.98	2.28	July	22.4	.357	.41
August	124	1.98	2.28	August	7.2	.115	.13
September	103	1.64	1.83	September	174	2.78	3.10
The year	188	3.00	40.66	The year	115	1.83	24.89

Monthly discharge of Pequannock River at Macopin intake dam, for the years ending September 30, 1892-1928—Continued.

Month	Discharge in second-feet		Run-off in inches	Month	Discharge in second-feet		Run-off in inches
	Mean	Per square mile			Mean	Per square mile	
1907-8				1911-12			
October	246	3.92	4.52	October	239	3.75	4.32
November	353	5.63	6.28	November	194	3.05	3.40
December	270	4.31	4.97	December	175	2.75	3.17
January	236	3.76	4.34	January	102	1.60	1.84
February	295	4.70	5.07	February	108	1.70	1.83
March	287	4.58	5.28	March	340	5.34	6.16
April	119	1.90	2.12	April	232	3.64	4.06
May	275	4.39	5.06	May	184	2.89	3.33
June	140	2.23	2.49	June	32.6	.512	.57
July	25.3	.404	.47	July	9.6	.151	.17
August	20.7	.330	.38	August	34.0	.534	.62
September	15.8	.252	.28	September	33.5	.526	.59
The year	190	3.03	41.26	The year	141	2.21	30.06
1908-9				1912-13			
October	31.4	.501	.58	October	53.5	.840	.97
November	12.4	.198	.22	November	119	1.87	2.09
December	38.8	.619	.71	December	132	2.07	2.39
January	112	1.79	2.06	January	248	3.89	4.48
February	291	4.64	4.83	February	100	1.57	1.64
March	200	3.19	3.68	March	314	4.93	5.68
April	326	5.20	5.80	April	262	4.11	4.59
May	200	3.19	3.68	May	122	1.92	2.21
June	81.7	1.30	1.45	June	38.9	.611	.68
July	19.3	.308	.36	July	9.1	.143	.16
August	29.7	.474	.55	August	7.7	.121	.14
September	15.6	.249	.28	September	22.8	.358	.40
The year	112	1.79	24.20	The year	119	1.87	25.43
1909-10				1913-14			
October	9.0	.144	.17	October	136	2.14	2.47
November	15.2	.242	.27	November	211	3.31	3.69
December	81.1	1.29	1.49	December	118	1.85	2.13
January	194	3.09	3.56	January	150	2.35	2.71
February	184	2.93	3.05	February	191	3.00	3.12
March	321	5.12	5.90	March	239	3.75	4.32
April	255	4.07	4.54	April	319	5.01	5.59
May	150	2.39	2.76	May	198	3.11	3.58
June	98.2	1.57	1.75	June	42.0	.659	.74
July	17.6	.281	.32	July	50.3	.790	.91
August	15.6	.249	.29	August	18.3	.287	.33
September	11.2	.179	.20	September	2.2	.034	.04
The year	112	1.79	24.30	The year	140	2.20	29.63
1910-11				1914-15			
October	12.8	.204	.24	October	12.9	.203	.23
November	51.9	.828	.92	November	38.5	.604	.67
December	44.8	.715	.82	December	82.8	1.30	1.50
January	124	1.98	2.28	January	360	5.65	6.51
February	76.8	1.22	1.27	February	309	4.85	5.05
March	137	2.19	2.52	March	115	1.81	2.09
April	210	3.35	3.74	April	163	2.56	2.86
May	52.7	.841	.97	May	86.5	1.36	1.57
June	182	2.90	3.24	June	42.1	.661	.74
July	53.3	.850	.98	July	37.7	.592	.68
August	81.6	1.30	1.50	August	163	2.56	2.95
September	99.0	1.58	1.76	September	38.3	.601	.67
The year	93.5	1.49	20.24	The year	120	1.88	25.52

Monthly discharge of Pequannock River at Macopin intake dam, for the years ending September 30, 1892-1928—Continued.

Month	Discharge in second-feet		Run-off in inches
	Mean	Per square mile	
1915-16			
October	45.9	0.721	0.83
November	79.1	1.24	1.38
December	182	2.86	3.30
January	299	4.69	5.41
February	215	3.38	3.64
March	186	2.92	3.37
April	335	5.26	5.87
May	136	2.14	2.47
June	172	2.70	3.01
July	102	1.60	1.84
August	38.3	.601	.69
September	10.6	.166	.19
The year	150	2.35	32.00
1916-17			
October	15.0	.235	.27
November	21.7	.341	.38
December	70.4	1.11	1.28
January	148	2.32	2.68
February	62.7	.984	1.02
March	222	3.49	4.02
April	187	2.94	3.28
May	133	2.09	2.41
June	103	1.62	1.81
July	52.5	.824	.95
August	24.4	.383	.44
September	12.3	.193	.22
The year	87.9	1.38	18.16
1917-18			
October	63.2	.992	1.14
November	63.3	.994	1.11
December	55.3	.868	1.00
January	81.4	1.28	1.48
February	242	3.80	3.96
March	198	3.11	3.58
April	173	2.72	3.04
May	96.2	1.51	1.74
June	67.3	1.06	1.18
July	13.4	.210	.24
August	17.9	.281	.32
September	15.5	.243	.27
The year	89.4	1.40	19.06
1918-19			
October	11.0	.173	.20
November	22.4	.352	.39
December	99.6	1.56	1.80
January	108	1.70	1.96
February	101	1.59	1.66
March	288	4.52	5.21
April	168	2.64	2.94
May	174	2.73	3.15
June	50.9	.799	.89
July	174	2.73	3.15
August	115	1.81	2.09
September	69.7	1.09	1.22
The year	116	1.82	24.66
1919-20			
October	72.2	1.13	1.30
November	181	2.84	3.17
December	165	2.59	2.99
January	42.7	.670	.77
February	36.6	.575	.62
March	524	8.23	9.49
April	297	4.66	5.20
May	137	2.15	2.48
June	93.9	1.47	1.64
July	111	1.74	2.01
August	89.0	1.40	1.61
September	107	1.68	1.87
The year	155	2.43	33.15
1920-21			
October	133	2.09	2.41
November	148	2.32	2.59
December	264	4.14	4.77
January	146	2.29	2.64
February	93.5	1.47	1.53
March	332	5.21	6.01
April	184	2.89	3.22
May	150	2.35	2.71
June	37.4	.587	.65
July	65.2	1.02	1.18
August	46.3	.727	.84
September	18.1	.284	.32
The year	136	2.14	28.87
1921-22			
October	18.2	.286	.33
November	60.5	.950	1.06
December	72.3	1.14	1.31
January	47.1	.739	.85
February	121	1.90	1.98
March	313	4.91	5.66
April	191	3.00	3.35
May	177	2.78	3.20
June	180	2.83	3.16
July	80.3	1.26	1.45
August	32.0	.502	.58
September	50.8	.798	.89
The year	112	1.76	23.82
1922-23			
October	22.4	0.352	0.41
November	23.8	.374	.42
December	23.6	.370	.43
January	156	2.45	2.82
February	65.7	1.03	1.07
March	311	4.88	5.63
April	149	2.34	2.61
May	92.8	1.46	1.68
June	50.4	.791	.88
July	10.3	.162	.19
August	9.66	.152	.18
September	18.5	.290	.32
The year	78.0	1.22	16.24
1923-24			
October	41.0	0.644	0.74
November	59.7	.937	1.05
December	173	2.72	3.14
January	237	3.72	4.29
February	88.1	1.38	1.49
March	135	2.12	2.44
April	302	4.74	5.29
May	293	4.60	5.30
June	68.3	1.07	1.19
July	37.6	.590	.68
August	17.5	.275	.32
September	21.4	.336	.37
The year	123	1.93	26.30

Monthly discharge of Pequannock River at Macopin intake dam, for the years ending September 30, 1892-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1924-25						
October				42.7	.670	0.77
November				22.2	.349	.39
December				55.2	.867	1.00
January				34.3	.538	.62
February				326	5.12	5.33
March				240	3.77	4.35
April				101	1.59	1.77
May				96.7	1.52	1.75
June				91.7	.812	.91
July				53.1	.834	.96
August				42.9	.673	.78
September				22.5	.353	.39
The year				89.1	1.40	19.02
1925-26						
October	3.4	0	.31	40.7	.64	0.74
November	181	0	20.8	177	2.78	3.10
December	160	0	30.3	184	2.89	3.33
January	65	0	7.51	84	1.32	1.52
February	182	0	39.3	154	2.42	2.52
March	212	8.5	107	241	3.78	4.36
April	275	0	97.4	173	2.72	3.04
May	23	0	1.76	47.5	.75	.86
June	3.9	0	.31	39.2	.62	.69
July	2.2	0	.09	15.4	.242	.28
August	23	0	1.22	62.4	.98	1.13
September	32	0	1.93	56.1	.88	.98
The year	275	0	25.5	106	1.66	22.55
1926-27						
October	144	0	5.62	80.6	1.27	1.46
November	260	0	29.1	234	3.67	4.10
December	5.6	0	.594	97.9	1.54	1.78
January	35	0	3.30	102	1.60	1.84
February	75	0	10.6	148	2.32	2.42
March	312	0	143	240	3.77	4.35
April	82	0	25.0	109	1.71	1.91
May	177	0	54.3	142	2.23	2.57
June	22	0	.870	61.4	.964	1.08
July	24	0	1.39	41.6	.653	.75
August	212	0	15.4	159	2.50	2.88
September	431	0	77.4	149	2.34	2.61
The year	431	0	30.7	130	2.04	27.75
1927-28						
October	632	0	104	225	3.53	4.07
November	1,410	4.8	309	404	6.34	7.07
December	497	35	198	277	4.35	5.02
January	133	0	9.63	101	1.59	1.83
February	471	0	172	260	4.08	4.40
March	244	3.4	69.7	160	2.51	2.89
April	362	32	138	226	3.55	3.96
May	270	0	47.1	127	1.99	2.29
June	206	0	71.8	165	2.59	2.89
July	393	0	93.3	180	2.83	3.26
August	416	0	72.1	164	2.57	2.96
September	155	0	17.5	85.6	1.34	1.50
The year	1,410	0	108	197	3.09	42.14

NOTE.—Tables through September, 1925, indicate flow corrected for storage and diversion only. "Observed" flow is flow over spillway only. No correction made for evaporation.

Saddle River at Lodi.

LOCATION.—At highway bridge, 1 mile upstream from Lodi, Bergen County, and 2¾ miles upstream from mouth of river.

DRAINAGE AREA.—55 square miles.

RECORDS AVAILABLE.—September 21, 1923, to September 30, 1928.

EQUIPMENT.—Water-stage recorder on left bank at upstream end of bridge.

CHANNEL AND CONTROL.—Channel, coarse gravel and rock. Control is at riffle 75 feet below gage.

EXTREMES OF DISCHARGE.—1923-1928: Maximum stage from water-stage recorder, 6.82 feet at noon on September 2, 1927 (discharge, about 1,630 second-feet); minimum stage, 1.49 feet at 5:30 P. M. November 22, 1923 (discharge, 5.3 second-feet).

REGULATION.—Daily distribution of flow affected by small water power plants at points upstream.

Daily discharge, in second-feet, of Saddle River at Lodi, for the years ending September 30, 1923-1928.

Day	Sept.	Day	Sept.	Day	Sept.
1923		1923		1923	
1		11		21	24
2		12		22	31
3		13		23	33
4		14		24	47
5		15		25	36
6		16		26	24
7		17		27	20
8		18		28	19
9		19		29	18
10		20		30	18

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	16	54	158	84	92	87	100	148	100	45	40	22
2	14	42		81	85	92	90	224	87	39	31	22
3	14	34		111	85	96	106	148	80	38	25	23
4	14	32		229	87	106	148	121	81	36	24	25
5	11	31		188	116	148	184	106	102	35	23	21
6	13	29		120	246	184	184	96	102	36	24	25
7	13	30		90	248	251	775	90	87	34	22	23
8	14	32	130	70	145	197	550	96	80	40	25	20
9	11	30		59	102	134	266	245	78	182	23	23
10	10	28		57	90	136	210	564	80	287	31	85
11	11	28		92	90	159	184	296	76	112	27	152
12	16	27		200	81	252	148	287	62	58	42	68
13	14	26		188	74	237	134	592	63	50	76	43
14	14	25		104	63	172	125	326	66	55	56	37
15	13	23	175	76	57	125	112	237	68	47	37	32
16	13	23	96	86	55	104	100	197	60	40	29	27
17	13	28	77	366	55	90	92	172	52	35	27	25
18	12	23	67	361	55	89	126	159	48	33	26	22
19	13	23	64	204	55	90	748	159	44	30	24	22
20	22	23	60	148	60	89	412	172	45	29	22	20
21	27	21	60	118	100	87	237	159	50	29	22	25
22	20	21	56	100	148	85	197	159	50	28	22	26
23	23	28	82	90	132	85	197	148	52	27	21	40
24	113	79	138	83	132	83	172	131	45	25	20	51
25	365	124	117	123	99	80	131	159	47	25	21	37
26	232	74	74	210	78	87	116	172	55	24	55	36
27	90	47	61	220	73	108	108	127	46	24	75	24
28	50	38	69	160	71	118	100	123	48	22	51	22
29	39	34	104	120	80	114	94	148	54	20	31	29
30	37	58	104	100	.....	114	98	131	55	18	27	92
31	52	.....	82	96	.....	136	.....	127	.....	22	25	.....

Daily discharge, in second-feet, of Saddle River at Lodi, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	322	30	39		55	161	140	98	54	81		25
2	302	31	37	26	59	553	116	105	47	43		21
3	133	27	32		63	318	103	81	45	35		21
4	76	30	30		56	225	98	66	43	32	70	21
5	58	30	32	27	53	153	94	59	34	34		18
6	51	30	76	33	52	153	85	55	32	43		19
7	46	29	105	35	54	164	81	52	30	33		45
8	44	28	75	34	58	153	78	48	28	32	38	98
9	44	25	76	39	63	142	74	47	30	74	39	62
10	43	27	82	33	85	130	78	47	35	94	45	36
11	40	26	59		184	122	120	72	32	50	52	32
12	37	29	50		730	128	132	142	27	36	38	30
13	37	29	47		516	136	96	142	27	29	36	30
14	37	33	50	32	325	112	80	80	27	25	38	33
15	35	25	44		238	114	110	66	31	23	36	34
16	32	22	42		282	103	150	68	42	27	32	39
17	34	25	42	37	288	99	100	62	40	98	31	87
18	36	24	51	47	212	150	85	65	35	164	30	60
19	32	20	43	46	164	220	80	51	32	81	28	37
20	31	22	43		151	280	80	47	30	40	27	31
21	30	22	40		153	187	78	45	28	34	26	27
22	30	43	41		164	134	70	43	25	38	30	28
23	29	114	39		175	114	66	40	28	75	30	25
24	33	134	50		175	101	63	60	26	119	25	26
25	30	72	72	38	164	98	62	141	30	56	25	17
26	27	53	99		164	94	65	199	43	46	25	21
27	28	43	45		248	94	68	108	39	52	21	21
28	33	38	40		187	138	60	62	34	47	21	19
29	32	37	35		.....	262	55	56	37	59	21	22
30	25	40	29		.....	187	60	74	78	47	21	21
31	29	.....	26		.....	164	.....	68	.....	51	20	.....
1925-26												
1	19	48	63	40	112	220	164	76	46	18	24	29
2	19	48	94	44	124	281	175	78	57	21	24	60
3	30	46	136	46	78	370	122	71	53	23	23	81
4	38	36	252	50	43	281	175	66	45	24	22	49
5	57	33	266	60	63	160	212	63	41	23	20	40
6	60	44	199	68	75	200	132	60	39	27	20	81
7	40	50	199	66	74	340	117	59	40	27	19	145
8	32	48	142	55		585	142	57	51	27	18	172
9	28	50	108	48			225	54	46	23	18	74
10	32	48	94		65		199	53	39	24	17	56
11	25	40	81	46			132	53	32	31	16	51
12	25	39	81			150	106	51	32	25	19	41
13	24	110	83				100	50	32	25	44	36
14	26	281	80				95	64	34	25	98	34
15	46	175	70	38	90		90	82	36	25	154	33
16	66	128	65	39			90	79	50	32	116	31
17	55	187	63	48		108	85	81	39	34	128	31
18	47	142	62	59		109	81	71	35	30	111	30
19	40	90	57	172	128	119	79	60	31	40	103	32
20	36	73	57	232	187	128	76	68	30	34	88	31
21	33	66	71	118		175	76	59	28	29	48	29
22	33	60	101	118		164	78	51	28	23	40	28
23	34	57	118		130	153	79	49	29	20	42	27
24	32	55	89			153	78	48	30	27	41	34
25	75	52	71			153	122	42	33	54	42	33
26	132	51	58	60	517	132	142	40	37	56	70	42
27	130	63	50		505	153	99	37	33	30	71	38
28	71	99	44		200	128	84	40	30	27	46	34
29	54	99	42		.....	106	85	39	30	23	37	41
30	46	71	40		.....	100	81	39	27	26	32	38
31	47	.....	40		.....	106	.....	40	.....	29	29	.....

Daily discharge, in second-feet, of Saddle River at Lodi, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	35	113	136	106	91	166	81	62	57	37	144	228
2	31	108	119	91	82	134	87	56	54	34	241	1,160
3	32	75	82	88	91	98	89	55	48	39	268	757
4	28	64	80	85	97	101	81	54	48	36	103	418
5	27	59	75	100	90	90	75	56	75	33	61	282
6	41	55	75	102	75	90	92	55	83	28	59	228
7	56	53	80	75	73	96	95	50	57	36	55	202
8	41	53	87	55	73	124	77	46	49	59	67	178
9	35	92	85	50	73	166	68	50	44	41	202	166
10	33	234	84	48	73	134	65	120	40	35	228	134
11	32	354	82	48	74	106	60	144	48	33	92	124
12	32	163	80	46	71	96	59	134	40	34	59	119
13	29	100	77	48	68	98	57	81	37	27	56	111
14	32	88	88	50	66	106	56	64	44	28	69	106
15	33	81	106	65	71	113	55	78	49	27	241	104
16	23	91	90	60	94	106	54	110	40	28	370	100
17	38	163	55	55	96	95	60	80	37	55	144	93
18	59	234	50	60	116	90	65	61	38	110	106	90
19	54	154	50	70	145	89	59	62	51	74	166	96
20	59	145	48	97	103	101	55	65	83	48	190	117
21	113	117	55	154	97	134	53	54	57	38	108	110
22	94	97	66	195	92	178	95	47	42	32	84	93
23	59	90	65	184	90	134	155	57	40	122	83	86
24	51	85	57	145	114	92	106	155	38	483	89	80
25	136	82	64	102	154	83	72	228	36	325	80	75
26	234	82	75	84	293	77	64	282	55	110	68	72
27	154	119	100	70	440	84	69	241	57	62	122	69
28	81	145	128	55	208	95	119	119	41	67	228	68
29	62	105	234	70	.....	90	115	77	38	69	325	71
30	59	111	248	103	.....	81	74	65	39	54	450	69
31	69	.....	163	100	.....	87	.....	59	.....	71	228	.....
1927-28												
1	65	104	124	178	75	134	190	178	84	144	90	115
2	62	106	124	130	75	134	124	155	72	113	96	100
3	61	144	178	110	70	124	110	124	65	90	95	134
4	124	531	215	85	83	113	103	115	62	80	81	268
5	228	492	155	80	111	106	100	108	95	84	75	228
6	144	296	166	81	100	98	96	103	190	282	89	134
7	86	215	166	84	100	93	90	101	254	686	124	144
8	75	166	228	90	166	92	92	103	144	340	115	144
9	83	155	450	103	325	93	90	98	90	166	95	113
10	111	144	241	119	228	96	83	101	134	134	83	98
11	98	144	166	108	144	103	80	96	178	155	103	92
12	80	155	166	103	113	117	110	96	100	166	190	86
13	172	144	202	104	100	190	155	86	78	166	113	81
14	437	134	228	108	100	228	115	80	78	268	67	75
15	254	120	296	111	380	241	103	80	134	282	56	72
16	134	119	215	103	370	178	90	78	241	254	49	74
17	108	120	202	93	202	134	80	78	120	155	61	74
18	215	190	215	93	166	134	75	100	81	110	144	87
19	691	296	155	100	144	166	71	202	108	95	202	111
20	686	190	137	166	134	166	68	241	215	90	92	166
21	386	134	124	140	124	144	64	178	268	117	61	215
22	254	124	124	120	113	134	103	124	166	124	68	134
23	202	122	124	98	254	134	202	93	178	124	134	89
24	166	119	100	84	618	124	355	87	190	166	144	78
25	155	124	110	202	310	117	340	84	178	122	122	72
26	134	124	95	296	178	119	166	100	134	90	355	71
27	134	120	90	155	155	115	113	150	101	80	450	68
28	124	134	90	100	134	104	202	120	87	124	450	65
29	120	144	98	70	134	95	450	100	86	418	254	61
30	120	144	134	75	.....	155	268	140	120	228	166	68
31	113	.....	155	80	.....	310	.....	95	.....	115	134	.....

NOTE.—Gage height record missing for Dec. 2-14, 1923; Jan. 22, 23, 27-30, Feb. 16-21, June 21, 22, 1924; Jan. 1-4, Feb. 8, Mar. 18-20, Apr. 15-17, Aug. 1-7, Nov. 1-4, 13, 1925; Feb. 28, Mar. 1, 5-7, 9-16, Apr. 13-16, 1926. Stage-discharge relation affected by ice Jan. 6, 7, 1924; Jan. 11-16, 20-31, Feb. 1, Dec. 26-31, 1925; Jan. 10-14, 23-31, Feb. 6, 8-18, 21-25, Dec. 5-7, 16-21, 26, 27, 1926; Jan. 7-19, Dec. 24-27, 1927; and Jan. 2-5, 21, 22, 28-31, Feb. 1-3, 6 and 7, 1928. Discharge for these periods determined by graphic study of gage height record, weather records, and records of nearby streams.

Monthly discharge of Saddle River at Lodi for the years ending September 30, 1923-1928.

[Drainage area, 55 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923					
September	47	18	27.0	0.491	0.18
1923-24					
October	365	10	42.5	.772	.89
November	124	21	37.2	.676	.75
December	.....	.....	108	1.96	2.26
January	366	57	140	2.55	2.94
February	248	.....	98.4	1.79	1.93
March	252	80	127	2.31	2.66
April	775	90	208	3.78	4.22
May	592	90	194	.353	4.07
June	102	44	65.4	1.19	1.33
July	287	18	49.2	.895	1.03
August	76	20	32.4	.589	.68
September	152	20	37.3	.678	.76
The year	775	10	95.0	1.73	23.52
1924-25					
October	322	25	57.9	1.05	1.21
November	134	20	37.9	.689	.77
December	105	.....	50.7	.922	1.06
January	.....	.....	34.9	.635	.73
February	730	52	183	3.33	3.47
March	553	94	167	3.04	3.50
April	.....	55	87.6	1.59	1.77
May	199	40	75.8	1.38	1.59
June	78	25	35.6	.647	.72
July	164	23	54.8	.996	1.15
August	.....	20	39.5	.718	.83
September	98	17	33.5	.609	.68
The year	730	17	70.9	1.29	17.48
1925-26					
October	132	19	46.2	.840	.97
November	281	33	79.6	1.45	1.62
December	266	40	96.0	1.75	2.02
January	232	38	66.8	1.21	1.40
February	517	43	128	2.33	2.43
March	585	100	181	3.29	3.79
April	225	76	117	2.13	2.38
May	82	37	57.4	1.04	1.20
June	57	27	37.1	.675	.75
July	56	18	28.5	.518	.60
August	154	16	51.0	.927	1.07
September	172	27	49.4	.898	1.00
The year	585	16	77.9	1. 42	19.23
1926-27					
October	234	23	60.1	1.09	1.26
November	354	53	117	2.13	2.38
December	248	48	93.0	1.69	1.95
January	195	46	85.8	1.56	1.80
February	440	66	115	2.09	2.18
March	178	77	108	1.96	2.26
April	155	53	77.1	1.40	1.56
May	282	46	92.5	1.68	1.94
June	83	36	48.8	.887	.99
July	483	27	73.4	1.33	1.53
August	450	55	54	2.80	3.23
September	1,160	68	187	3.40	3.79
The year	1,160	23	101	1.84	24.87

Monthly discharge of Saddle River at Lodi for the years ending September 30, 1923-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1927-28					
October	691	61	188	3.42	3.94
November	531	104	175	3.18	3.55
December	450	90	170	3.09	3.56
January	296	70	115	2.09	2.41
February	618	70	180	3.27	3.53
March	310	92	138	2.51	2.89
April	450	64	143	2.60	2.90
May	241	78	116	2.11	2.43
June	268	62	134	2.44	2.72
July	686	80	180	3.27	3.77
August	450	49	141	2.56	2.95
September	268	61	111	2.02	2.25
The year	691	49	149	2.71	36.90

ELIZABETH RIVER BASIN.

Elizabeth River at Elizabeth.

LOCATION.—At dam just above the Westfield Avenue bridge in Elizabeth, Union County, and 2½ miles above the mouth of the river.

DRAINAGE AREA.—20 square miles.

RECORDS AVAILABLE.—October 5, 1921, to September 30, 1928.

EQUIPMENT.—To May 18, 1923, hook gage in stilling well on left wing wall of dam; since then, water-stage recorder on left bank 10 feet above dam.

CHANNEL AND CONTROL.—Control is concrete dam, crest 48.5 feet long, at gage height elevation 5.00 feet; at gage height 7.00 feet water also flows over side wall 8.8 feet long. A sluice gate, 24 inches in diameter, with invert at gage height 0.3 foot located at right end of dam. When the sluice gate is open and flowing part full, a riffle of small stones below dam becomes control.

EXTREMES OF DISCHARGE.—1921-1928: Maximum stage from water-stage recorder, 9.71 feet at 5:30 P. M. September 1, 1927 (discharge, about 2,640 second-feet).

DIVERSIONS AND REGULATION.—The Elizabethtown Water Company diverts water from the Elizabeth River above this point, at the Ursina Lake Pumping Station and through wells at its Hummock Pumping Station. Corrections for these diversions have been applied to the monthly tables.

Daily discharge, in second-feet, of Elizabeth River at Elizabeth, for the years ending September 30, 1922-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	.....	1.0	4.1	2.9	1.0	5.4	100		5.4	185	2.4	4.1
2	.....	1.9	3.5	3.5	120	8.3		4	7.5	248	2.9	4.7
3	.....	1.9	17	4.1	14	42	20		12	235	1.9	4.1
4	.....	1.9	6.7	2.9	10	31		16	4.1	235	1.0	23
5	2.9	1.0	5.4	2.9	14	31		135	12	248	1.4	14
6	1.9	1.0	3.5	2.9	56	26	10		14	235	1.9	13
7	1.9	1.9	4.1	3.5	31	124	10	60	10	164	1.9	12
8	1.9	.2	4.1	2.9	6.7	88	10		6.7	146	1.9	15
9	1.9	2.4	3.5	2.9	4.7	12	14		4.1	137	0	14
10	1.0	4.7	2.9	2.9	4.7	26	15		2.9	112	0	11
11	2.4	3.5	2.9	1.9	5.4	81	24		22	92	1.9	14
12	2.9	2.9	4.1	4.1	6.0	72	20		10	81	4.1	20
13	1.9	4.7	4.1	4.1	10	64	10		16	81	4.1	11
14	1.9	2.9	3.5	2.9	7.5	42	13		13	0	2.9	4.7
15	1.0	8.3	4.1	4.1	6.0	34	15	20	10	0	1.9	4.7
16	1.0	1.9	4.1	4.1	3.5	24	14		6.7	0	1.9	5.4
17	1.9	51	2.4	4.7	5.4	19	11		9.1	0	1.9	4.7
18	1.9	3.5	57	2.9	4.1	15	10		39	0.1	1.9	2.9
19	1.4	2.9	4.1	4.1	14	10	11		31	1.4	1.9	1.9
20	1.9	31	6.7	14	24	112	13		10	1.0	1.0	0
21	1.9	10	4.1	10	20	45	16		8.3	1.4	.2	4.1
22	1.9	2.9	2.9	6.0	24	13	16		7.5	2.9	.2	2.4
23	.2	2.9	2.9	6.7	14	10	15		8.3	13	1.0	1.0
24	.6	2.9	5.4	4.7	9.1	10		4.7	10	12	.2	1.9
25	1.0	2.9	13	2.9	6.0	8.3		3.5	16	6.7	1.4	8.3
26	1.9	2.9	5.4	4.1	12	100		4.1	14	4.1	4.7	5.4
27	2.4	6.0	2.9	2.9	29	8.3	7	4.1	14	1.9	10	4.1
28	1.4	35	2.9	1.0	13	7.5		2.9	106	17	10	0
29	1.4	26	2.9	1.0	.....	7		1.9	197	6.7	5.4	0
30	.6	11	4.1	1.0	.....	15		2.9	164	4.1	4.1	4.7
31	1.9	.....	2.9	1.9	.....	20	.....	1.9	.....	1.9	6.7	.....
1922-23												
1	5.7	4.4	2.1	224	9.5	21	11	7.9	2.7	0	0	0
2	5.0	3.8	4.4	119	9.5	29	15	7.1	1.4	0.5	0	0
3	5.0	9.5	3.8	15	38	41	19		15	4.6	0	0
4	5.0	6.4	2.6	5.7	13	36	23		13	13	0	0
5	5.0	5.0	1.6	5.0	10	29	23		2.4	11	0	0
6	5.0	5.0	1.6	6.4	9.5	26	25		2.7	6.7	0.1	0
7	15	7.9	2.1	5.7	11	31	19		11	1.0	0	0
8	21	7.1	5.0	3.8	12	19	21		18	1.0	0	0
9	26	5.0	3.8	7.9	12	23	19		3.1	1.7	0	0
10	31	6.4	3.8	9.5	13	16	13	6.0	3.5	1.0	0	0
11	28	5.7	.4	9.5	13	16	11		3.5	1.0	0	0.1
12	9.5	5.0	2.6	7.9	9.5	13	10		2.4	1.0	0	0
13	5.7	5.7	5.7	8.7	11	110	12		3.6	1.0	0	0
14	5.0	5.0	2.6	7.9	33	28	11		3.1	1.0	0	0
15	5.0	7.1	2.6	9.5	14	21	11		5.1	1.0	0	0
16	3.8	6.4	3.2	10	11	162	11		3.1	20	0	0
17	3.8	5.0	2.6	7.9	13	73	11		4.0	0	0	0
18	4.4	6.4	2.6	8.7	14	11	11	3.6	3.6	0	0	0
19	3.2	6.4	2.6	7.9	14	12	7.9	2.4	2.7	0	0	0
20	5.0	4.4	1.6	7.9	15	23	7.9	6.0	2.7	0	0	0
21	7.9	5.7	2.6	38	16	21	7.9	23	1.6	0	0	27
22	6.4	5.0	2.1	13	10	9.5	7.9	7.2	.5	0	0	4.4
23	6.4	5.0	2.1	13	7.9	153	7.9	4.8	.3	22	0	5.7
24	4.4	2.6	2.6	23	8.7	59	5.0	5.3	.5	0	0	3.8
25	3.8	3.8	1.6	44	13	11	6.4	4.8	.5	10	0	2.6
26	9.5	1.6	2.1	16	11	7.9	5.0	4.0	1.1	0	0	3.2
27	7.1	2.1	3.2	13	11	7.9	5.0	5.3	1.6	0	0	2.6
28	5.0	3.8	188	10	11	8.7	6.4	3.8	1.9	0	0	2.1
29	5.0	1.6	9.5	11	.....	7.9	19	2.9	2.2	2.6	1.6	3.2
30	5.0	2.6	3.8	7.9	.....	9.5	9.5	2.7	1.4	.4	.4	5.0
31	4.4	.....	3.8	10	.....	8.7	.....	4.4	.....	0	0	.....

Daily discharge, in second-feet, of Elizabeth River at Elizabeth, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	3.2	5.7	18	22	7.1	45	14	35	15	17	2.6	4.4
2	.4	5.0	9.3	12	8.7	42	21	15	8.5	9.1	2.1	12
3	.1	5.0	7.6	36	9.5	36	41	13	3.2	5.2	1.2	7.6
4	0	9	6.8	22	9.5	42	40	12	3.2	1.3	2.6	2.6
5	0	4.6	43	10	98	40	26	11	2.6	3.8	6.8	5.2
6	0	4.8	89	9.5	49	53	141	10	2.6	5.0	7.4	6.2
7	0	12	18	9.5	19	38	441	10	13	5.7	.7	4.4
8	0	6.6	13	7.1	12	31	66	31	21	138	0	4.4
9	0	3.8	12	5.0	12	28	41	340	13	186	0	60
10	0	.8	12	5.0	11	28	34	68	10	38	3.2	42
11	0	2.2	14	80	11	95	27	47	8.7	19	2.1	7.1
12	0	3.8	9.8	25	10	88	22	292	13	10	148	3.8
13	0	4.0	7.6	15	10	33	20	96	8.7	18	10	3.8
14	0	3.8	17	12	10	25	19	50	11	8.7	.4	4.4
15	0	3.3	11	7.1	9.5	20	12	36	11	8.7	1	2.8
16	0	1.4	10	98	9.5	18	11	28	7.9	5.7	1	3.8
17	0	3.5	11	145	8.7	14	13	26	7.9	5.7	3	6.0
18	0	4.0	9.2	25	8.7	13	164	21	13	5.0	6.4	3.7
19	0	3.1	6.0	20	8.7	13	135	27	13	3.2	3.8	3.2
20	0	1.6	2.9	19	100	13	42	18	12	4.4	1.6	2.1
21	0	1.4	5.7	14	50	14	39	28	6.4	5.0	3.2	3.4
22	0.7	1.1	15	9.5	25	13	42	22	7.9	3.8	.7	5.2
23	50	35	68	7.1	25	12	27	16	12	9.1	2.1	24
24	161	28	28	7.1	25	12	21	37	14	4.4	3.8	4.0
25	10	7.6	18	126	25	11	18	38	87	3.2	3.2	3.2
26	5.0	6.0	15	25	27	24	15	18	62	3.2	170	3.2
27	8.7	4.2	11	19	28	26	14	16	28	3.2	20	5.0
28	8.7	2.2	33	10	46	20	13	25	11	3.8	7.1	6.4
29	8.7	3.8	17	10	44	18	22	29	26	5.0	3.2	5.4
30	9	59	14	6.4	.....	27	26	66	19	3.8	2.6	196
31	18	.....	40	6.4	.....	15	.....	16	.....	3.2	3.2	.....
1924-25												
1	54	3.2	4.4	2.6	5.0	188	16	11	5	0.2	260	1.6
2	15	3.2	2.1	3.2	5.0	102	11	8	2	0	16	1.2
3	9.5	5.0	1.6	3.2	6	34	10	8	1	0	7.9	.7
4	7.9	4.4	1.6	4.4	5.7	31	10	7	0	.8	5.7	.7
5	7.1	5.7	27	3.2	5.7	23	11	6	0	8.8	10	1.2
6	7.1	5.7	53	1.6	9.4	27	11	6	0	.2	6.4	1.6
7	7.1	5.0	10	1.6	12	20	11	5	0	0	5.7	72
8	9.9	3.8	7.9	1.6	12	21	9.5	6	0	0	5.7	5.0
9	6.4	5.0	24	2.1	10	19	7.1	4	0	0	19	1.2
10	6.4	6.4	5.7	2.1	79	17	19	1	0	60	31	.1
11	9.5	5.0	4.4	3.2	228	16	24	34	1.2	3	5.0	.4
12	7.9	3.2	6.4	2.6	306	16	11	13	1.2	2.6	4.4	.4
13	7.9	1.6	8.7	2.1	90	13	8.7	2	.7	.7	8	.1
14	4.9	2.1	6.4	2.1	58	17	7.9	4	.7	0	5.7	.4
15	7.1	3.2	3.8	2.1	90	15	49	2	.7	0	6.4	.4
16	5.1	2.6	2.6	2.1	85	13	19	2	64	4	5.0	49
17	3.2	1.6	3.2	8.7	59	40	12	10	1.6	46	2.6	14
18	3.8	1.2	3.2	11	44	24	10	11	0.5	.4	2.1	3.2
19	6.4	1.2	3.8	5.0	40	156	12	5	0	0	1.6	2.6
20	5.0	1.2	5.7	4.4	47	33	13	1	3.5	0	2.1	2.1
21	3.8	.7	4.4	4.4	42	23	11	1	6.7	0	10	2.1
22	4.4	51	2.6	3.8	43	20	9	1	2.7	13	3.8	2.1
23	4.4	12	2.1	3.8	38	17	9	1	0	3	3.8	0
24	5.0	3.8	40	3.2	34	11	7	48	0	0	2.1	0
25	5.0	3.2	10	4.4	27	13	5	38	72	8	1.6	0
26	3.2	3.2	3.8	4.4	94	14	8	8	18	27	1.6	0
27	3.2	3.8	2.6	5.7	28	14	8	2	.7	2.6	2.1	0
28	3.8	4.4	3.2	3.2	18	47	6	2	0	11	1.6	0
29	3.8	6.0	2.6	3.2	.....	27	6	14	17	12	1.6	.1
30	3.8	5.0	1.6	5.7	.....	19	14	16	14	.1	1.6	.1
31	3.2	.....	1.6	4.4	.....	19	.....	10	.....	119	2.1	.....

Daily discharge, in second-feet, of Elizabeth River at Elizabeth, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	0	7.1	47	6.2	28	67	29	11	13	0.7	17	4.7
2	0.4	5.7	22	7.6	7.6	98	18	11	9.0	2.6	8.6	76
3	11	7.1	220	8.3	6.2	44	25	11	7.5	4.9	6.5	16
4	6.4	7.9	270	8.3	6.2	27	27	8.3	1.4	3.6	5.9	9.4
5	27	13	61	11	7.6	23	18	6.9	2.3	3.6	5.9	38
6	3.2	19	49	6.2	6.2	22	15	8.3	5.5	3.6	5.3	256
7	3.8	7.9	24	6.2	8.3	210	17	7.6	11	2.6	5.3	200
8	3.2	21	20	5.6	7.6	103	46	5.6	3.9	2.2	7.9	30
9	.7	23	21	5.6	5.6	39	24	7.2	1.2	2.2	5.3	20
10	1.3	13	16	6.9	6.2	28	16	5.6	1.0	3.8	5.9	24
11	1.2	8.2	16	6.2	6.2	23	16	6.2	1.4	5.8	4.7	16
12	1.2	26	14	5.0	7.6	20	14	5.6	6.0	3.6	80	18
13	1.2	117	16	4.4	5.6	21	14	5.6	9.6	3.6	94	14
14	12	20	15	4.4	8.8	20	12	27	5.9	5.4	50	16
15	31	44	9.9	4.4	34	16	12	11	5.3	21	66	10
16	5.7	36	11	3.8	27	16	12	32	2.6	34	46	10
17	6.1	21	7.6	3.8	13	14	12	15	2.6	4.8	62	9.4
18	5.7	9.0	6.9	36	17	15	9.1	1.7	2.2	40	32	7.9
19	5.0	3.6	7.6	24	137	11	11	5.0	2.6	63	18	11
20	5.7	3.3	9.9	8.3	49	12	13	13	2.2	5.4	12	13
21	5.0	3.3	14	13	29	17	7.6	1.9	2.2	4.8	10	13
22	7.1	3.3	24	39	22	16	11	2.4	3.3	3.6	38	13
23	7.9	3.6	9.9	8.3	17	20	7.6	2.8	34	3.6	18	13
24	12	3.6	6.2	9.1	16	20	6.9	4.3	6.3	9.3	26	13
25	124	9.4	8.3	6.9	162	17	35	5.7	1.2	261	26	13
26	20	11	9.1	5.6	226	28	13	2.3	21	20	16	18
27	7.1	43	8.3	5.6	79	23	11	1.0	4.8	10	12	14
28	7.1	17	7.6	5.6	51	18	12	1.2	1.6	8	7.9	13
29	7.1	11	5.6	4.4	.....	16	9.9	2.0	5.0	5	10	24
30	5.7	12	4.4	4.4	.....	16	9.1	4.0	3.0	100	8.6	16
31	6.4	.....	4.4	49	.....	37	.....	9.7	.....	12	5.9	.....
1926-27												
1	16	21	24	21	10	22	12	10	13	7.7	457	629
2	18	15	16	17	10	20	17	9.3	11	7.0	230	300
3	20	14	10	13	12	20	11	9.3	10	7.0	50	61
4	21	9.8	9.7	17	11	16	11	8.5	22	6.3	10	36
5	20	9.9	9.6	14	8.9	13	12	9.3	37	5.6	8	29
6	42	14	10	11	14	14	18	8.6	16	7.1	4.6	24
7	17	13	7.9	9.1	12	14	11	8.6	12	31	4.1	21
8	14	12	8.2	7.7	9.6	25	9.1	8.6	10	23	178	19
9	16	120	10	9.1	8.8	15	9.9	22	6.3	7.7	549	16
10	21	99	8.8	7.0	8.8	13	11	15	6.8	7.7	250	15
11	23	23	8.1	4.6	8.1	11	11	36	6.9	7.7	50	16
12	29	16	9.5	5.2	9.6	11	11	8.0	6.4	7.0	10	18
13	26	15	8.7	4.1	10	16	7.6	7.3	7.3	6.3	23	20
14	11	14	25	32	11	16	6.9	7.3	25	6.3	165	21
15	11	13	13	9.0	21	14	9.9	37	12	4.4	123	20
16	11	98	8.8	7	13	11	11	15	8.4	51	30	20
17	41	41	7.4	9	14	11	16	9.6	4.9	98	24	22
18	28	20	6.2	5.7	29	16	8.3	8.8	4.9	22	63	21
19	14	42	7.3	12	37	15	7.6	26	73	48	26	31
20	67	17	5.5	45	20	19	5.0	15	42	11	21	32
21	23	16	4.9	70	16	50	5.1	12	27	8.5	18	23
22	8.0	14	6.7	29	20	21	55	11	11	7.7	17	24
23	5.7	11	6.0	25	36	12	15	17	2.5	317	22	24
24	45	9.8	6.0	20	70	11	9.2	25	7.3	53	17	26
25	55	11	11	12	58	9.9	9.2	122	7.0	28	15	27
26	12	35	83	10	172	9.9	12	46	38	75	18	28
27	9.9	39	18	7.5	40	18	33	27	9.3	22	115	28
28	11	14	153	6.8	32	14	17	15	7.7	6.5	92	27
29	7.1	14	99	40	.....	12	11	14	7.7	.6	154	28
30	6.9	73	27	30	.....	13	10	12	9.3	.6	26	29
31	57	.....	17	14	.....	14	.....	16	.....	11	18	.....

Daily discharge, in second-feet, of Elizabeth River at Elizabeth, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	29	18	17	23	13	27	18	31	8.9	11	20	15
2	30	17	74	11	15	18	15	23	9.1	7.9	11	13
3	20	110	33	9	9.3	16	14	19	9.8	5.7	9.5	112
4	112	94	22	7.9	10	16	13	17	17	13	8.7	21
5	7.7	21	41	7.4	27	14	14	15	28	200	7.1	15
6	7.8	29	39	7	11	12	13	14	134	581	19	43
7	11	28	56	6.5	21	12	14	15	18	74	8.7	22
8	14	14	202	9	166	12	18	18	13	40	7.9	15
9	99	20	44	9	51	13	10	20	46	29	7.9	15
10	29	28	28	7.4	27	22	10	14	30	167	26	15
11	26	20	33	7.9	21	20	12	13	11	51	31	15
12	25	13	35	7.9	21	62	34	14	9.8	47	9.5	15
13	181	13	45	9.6	16	27	13	12	13	201	7.9	60
14	32	34	66	10	67	27	22	10	23	78	5.7	17
15	16	23	28	13	135	20	16	9.1	18	38	5.7	12
16	18	10	71	12	36	18	13	9.9	8.2	27	5.7	12
17	76	12	45	10	29	17	9.5	9.2	9.3	23	47	14
18	413	92	28	8.4	42	53	7.1	52	9.1	20	12	10
19	317	26	24	109	31	28	6.4	15	89	18	9.5	79
20	103	22	18	58	27	20	6.4	15	32	20	7.9	78
21	68	20	16	12	20	17	12	12	23	14	6.4	19
22	30	20	15	14	17	20	91	10	45	15	98	13
23	36	16	16	12	365	17	105	9.9	22	110	27	13
24	26	23	12	15	83	15	159	9.2	72	14	16	11
25	17	18	13	173	43	18	38	8.6	25	11	74	10
26	11	18	12	22	32	16	23	15	23	11	191	20
27	34	20	12	18	25	15	36	16	10	102	218	10
28	20	32	9.4	17	22	16	259	12	7.1	119	40	9.5
29	24	24	21	16	20	14	70	8.9	35	18	42	7.9
30	19	16	16	24	.....	98	41	12	27	14	23	26
31	12	.....	19	18	.....	25	.....	9.9	.....	12	20	.....

NOTE.—These tables do not include diversions. Sluice gate open Mar. 29 to May 23, 1922; May 17 to July 3, Nov. 4, to Dec. 31, 1923; Jan. 1-5, June 18-20, 23-27, 30, July 1-3, 1924; Apr. 15, to June 3, Nov. 5, to Dec. 7, 1925; May 24, to June 14, June 29, July 1, 31, Aug. 1, Sept. 20-30, Oct. 1-22, 1926; May 20-28, 31, June 1-23, July 24, 25, 28, Sept. 12-30, Oct. 1, 2, Nov. 15, 16, 21, 1927; Feb. 1-2, May 8 to June 26, 1928. No gage height record Mar. 29-31, Apr. 2-5, 12, 22, 24-30, May 1-3, 7-23, 1922; May 3-17, 1923; July 26-30, Sept. 7-11, 1926; Jan. 16, 17, Aug. 2-5, 10-12 and Sept. 2, 1927; discharge determined by graphic study of records, weather records, and records of nearby streams.

Monthly discharge of Elizabeth River at Elizabeth, for the years ending September 30, 1922-1928.

[Drainage area, 20 square miles.]

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1921-22						
October 5-31	2.9	0.2	1.66	11.2	0.560	0.56
November	51	.2	1.77	16.5	.825	.92
December	57	2.4	6.36	15.4	.770	.89
January	14	1.0	3.89	13.3	.665	.77
February	120	3.5	17.0	25.6	1.28	1.33
March	124	3.5	33.3	41.3	2.06	2.38
April	.....	.....	15.9	21.7	1.08	1.20
June	.....	.....	19.0	25.3	1.26	1.45
May	197	2.9	26.4	35.2	1.76	1.96
July	248	0	73.3	81.7	4.08	4.70
August	10	0	2.67	11.6	.580	.67
September	23	0	7.20	16.6	.830	.93

Monthly discharge of Elizabeth River at Elizabeth, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1922-23						
October	31	3.2	8.45	18.4	0.920	1.06
November	9.5	1.6	5.05	15.0	.750	.84
December	188	.4	8.99	18.8	.940	1.08
January	224	3.8	22.2	30.0	1.50	1.73
February	38	7.9	13.5	21.4	1.07	1.11
March	162	7.9	33.7	41.4	2.07	2.39
April	25	5.0	12.4	19.5	.975	1.09
May	23	2.4	5.97	14.8	.740	.85
June	18	.3	3.94	14.4	.720	.80
July	22	0	3.24	12.8	.640	.74
August	1.6	0	.07	9.6	.480	.55
September	27	0	1.99	11.2	.560	.62
The year	224	0	9.96	19.0	.950	12.86
1923-24						
October	161	0	9.15	17.8	0.890	1.03
November	59	.8	7.88	16.3	.815	.91
December	89	2.9	19.1	26.3	1.32	1.52
January	145	5.0	26.6	35.0	1.75	2.02
February	100	7.1	24.7	32.8	1.64	1.77
March	95	11	29.3	36.4	1.82	2.10
April	441	11	52.2	59.8	2.99	3.34
May	340	10	48.3	55.5	2.78	3.20
June	87	2.6	15.7	23.5	1.18	1.32
July	186	1.3	17.6	26.2	1.31	1.51
August	170	0	13.6	23.2	1.16	1.34
September	196	2.1	14.8	23.8	1.19	1.33
The year	441	0	23.2	31.4	1.57	21.39
1924-25						
October	54	3.2	7.57	15.8	.790	.91
November	51	.7	5.45	14.8	.740	.83
December	53	1.6	8.39	17.3	.865	1.00
January	11	1.6	3.71	12.8	.640	.74
February	306	5.0	54.3	61.9	3.10	3.23
March	188	11	33.8	41.6	2.08	2.40
April	49	5	12.2	20.8	1.04	1.16
May	48	1	9.26	18.7	.935	1.08
June	72	0	7.11	17.4	.870	.97
July	119	0	10.4	21.3	1.07	1.23
August	260	1.6	14.3	23.6	1.18	1.36
September	72	0	5.41	18.5	.925	1.03
The year	306	0	14.1	23.4	1.17	15.94
1925-26						
October	124	0	11.0	22.1	1.10	1.27
November	117	3.3	17.7	25.7	1.28	1.43
December	270	4.4	31.2	40.4	2.02	2.33
January	49	3.8	10.4	21.4	1.07	1.23
February	226	5.6	35.6	45.2	2.26	2.35
March	210	11	34.1	42.7	2.14	2.47
April	46	6.9	16.1	24.5	1.22	1.36
May	32	1.0	7.80	16.7	.835	.96
June	34	1.0	5.95	15.8	.790	.88
July	261	0.7	21.1	31.9	1.60	1.84
August	94	4.7	23.1	32.2	1.61	1.86
September	256	4.7	31.6	41.4	2.07	2.31
The year	270	0	20.4	29.9	1.50	20.29

Monthly discharge of Elizabeth River at Elizabeth, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1926-27						
October	67	5.7	22.8	31.6	1.58	1.82
November	120	9.8	28.8	36.9	1.84	2.05
December	153	4.9	20.8	29.6	1.48	1.71
January	70	4.1	16.9	26.9	1.34	1.54
February	172	8.1	25.8	35.1	1.76	1.83
March	50	9.9	16.0	24.7	1.24	1.43
April	55	5.0	13.1	21.4	1.07	1.19
May	122	7.3	19.2	26.9	1.34	1.54
June	73	2.5	15.4	23.9	1.20	1.34
July	317	0.6	29.1	35.9	1.80	2.08
August	549	4.1	89.9	96.8	4.84	5.58
September	629	15	54.5	60.9	3.04	3.39
The year	629	0.6	29.4	37.6	1.88	25.50
1927-28						
October	413	7.7	60.1	67.4	3.37	3.88
November	110	10	28.4	36.1	1.80	2.01
December	202	9.4	35.8	43.9	2.20	2.54
January	173	6.5	22.1	30.9	1.54	1.78
February	365	9.3	48.4	57.5	2.88	3.11
March	98	12	23.4	32.5	1.62	1.87
April	259	6.4	37.1	46.6	2.33	2.60
May	52	8.6	15.1	24.6	1.23	1.42
June	134	7.1	27.5	37.4	1.87	2.09
July	581	5.7	67.5	78.6	3.93	4.53
August	218	5.7	33.0	45.4	2.27	2.62
September	112	7.9	24.6	36.2	1.81	2.02
The year	581	5.7	35.2	44.7	2.24	30.47

NOTE.—Observed discharge is flow over dam, through sluice gate, and leakage.

RAHWAY RIVER BASIN.

Rahway River at Rahway.

LOCATION.—At Church Street bridge in Rahway, Union County, half a mile upstream from mouth of Robinsons Branch of Rahway River.

DRAINAGE AREA.—41 square miles.

RECORDS AVAILABLE.—July 10, 1908, to April 29, 1915, and October 1, 1921, to September 30, 1928. Record for 1908-1915 gage heights published in United States Geological Survey Water-Supply Paper 541.

EQUIPMENT.—Staff gage attached to tree on right bank 40 feet below bridge.

CHANNEL AND CONTROL.—Channel, fine gravel; control, head of gravel riffle about 300 feet downstream from gage.

EXTREMES OF DISCHARGE.—1908-1915, 1921-1928: Maximum stage determined from hydrograph, 6.0 feet at 2:00 P. M. August 2, 1927 (discharge, about 1,740 second-feet); minimum stage recorded, zero December 1, 1912 (discharge, uncertain).

DIVERSIONS.—The following water companies divert water from Rahway River above Rahway: Orange Water Company, South Orange waterworks (wells), Short Hills Water Company (wells), Springfield Station of Elizabethtown Water Company (wells), and Rahway waterworks. The total flow diverted is about 17 second-feet and is included in the monthly record.

Daily discharge, in second-feet, of Rahway River at Rahway, for the years ending September 30, 1922-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	7	46	15	6	43	31	313	18	15	82	19	23
2	6	5	27	4	172	30	153	18	31	290	45	13
3	8	6	42	2	212	31	63	19	92	144	23	11
4	11	5	23	4	51	69	60	39	81	400	34	45
5	8	11	20	10	60	126	54	400	57	301	21	45
6	6	10	14	10	88	85	45	313	313	290	21	15
7	6	6	13	7	68	233	54	182	135	78	17	23
8	6	6	11	6	31	505	57	71	48	65	17	14
9	10	6	11	6	10	278	48	39	45	162	15	11
10	7	10	10	7	10	79	43	28	25	40	14	11
11	7	8	10	10	14	144	36	26	38	31	13	10
12	8	11	13	9	18	182	38	23	49	23	13	18
13	6	11	14	7	38	101	31	22	27	18	12	21
14	8	12	10	6	58	71	26	23	28	57	11	9
15	9	14	9	6	20	61	84	25	17	27	13	8
16	8	13	7	6	22	49	65	31	17	18	11	8
17	13	32	8	6	20	43	51	22	26	13	10	9
18	7	27	11	5	26	31	63	45	60	32	9	8
19	8	10	9	10	38	40	46	452	40	58	8	6
20	11	19	9	11	88	222	38	202	36	36	31	6
21	11	21	10	36	104	144	31	78	60	30	13	5
22	14	15	8	35	54	63	28	46	39	36	9	4
23	11	10	12	23	78	45	30	35	25	34	8	4
24	11	9	45	15	61	35	27	27	22	42	7	4
25	10	10	42	13	48	31	26	27	90	101	7	5
26	8	10	22	25	60	28	28	23	76	39	6	6
27	10	13	15	31	78	27	26	19	112	25	11	5
28	10	23	13	16	52	39	25	20	107	23	15	5
29	8	60	8	17	.....	35	25	19	54	57	15	5
30	11	26	7	12	.....	39	22	17	32	23	13	5
31	13	.....	6	15	.....	109	.....	17	.....	19	13	.....
1922-23												
1	4	5	6	233	19	46	31	45	38	6	13	6
2	3	6	6	278	30	61	31	32	15	6	9	6
3	4	21	7	71	61	153	31	27	16	7	10	4
4	4	17	12	55	69	255	34	23	42	26	7	3
5	3	8	16	28	30	233	82	21	23	93	11	4
6	2	9	9	23	14	135	99	20	17	23	18	2
7	10	8	8	20	71	69	76	19	31	25	10	5
8	36	9	8	32	22	76	86	18	72	14	8	4
9	18	10	10	18	19	52	51	20	26	11	8	4
10	23	8	10	22	15	48	39	19	19	8	9	8
11	17	9	7	18	15	42	31	19	20	10	8	5
12	9	10	7	15	16	172	32	18	19	10	10	5
13	9	8	8	16	31	338	31	31	16	8	10	5
14	7	8	6	20	60	313	28	20	14	8	6	5
15	7	10	8	22	88	313	28	16	30	10	6	5
16	8	16	14	18	55	400	26	21	10	61	5	5
17	9	11	26	30	21	533	26	21	15	15	4	5
18	7	10	26	17	15	182	22	21	18	11	4	5
19	6	9	13	9	12	144	21	19	13	8	4	4
20	6	14	7	10	15	126	22	17	10	9	4	3
21	5	15	8	52	13	95	21	31	25	9	4	48
22	5	8	10	325	15	78	22	27	13	13	5	39
23	7	6	8	233	18	71	18	19	10	28	5	28
24	22	6	9	118	14	182	17	16	10	15	5	20
25	16	6	8	144	15	79	17	15	7	28	5	11
26	8	7	7	81	15	63	19	13	9	15	5	6
27	6	6	7	38	22	57	17	13	21	11	5	6
28	6	7	107	35	51	48	23	21	9	11	6	6
29	6	7	111	38	.....	43	233	19	6	13	26	4
30	11	7	35	26	.....	39	101	17	7	10	10	3
31	8	.....	13	14	.....	52	.....	12	.....	11	6	.....

Daily discharge, in second-feet, of Rahway River at Rahway, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	3	12	85	72	22	60	35	95	32	16	11	12
2	5	8	26	32	22	58	42	48	30	12	12	12
3	4	8	15	301	20	55	71	34	27	12	12	40
4	10	6	10	233	21	60	126	32	26	10	14	26
5	6	5	60	76	38	144	118	25	25	8	10	27
6	3	6	222	40	222	144	92	26	22	10	19	36
7	3	10	88	26	79	135	835	23	63	9	31	23
8	8	8	31	21	42	69	426	51	27	61	32	22
9	4	7	19	17	31	48	118	533	55	730	26	48
10	3	6	17	16	26	63	90	375	23	313	38	135
11	4	10	19	84	23	153	76	153	54	82	23	42
12	6	5	13	144	26	290	57	452	25	14	135	22
13	8	5	11	58	21	126	51	478	30	23	69	18
14	3	5	16	43	21	78	45	182	32	20	19	19
15	3	5	13	27	19	58	36	111	20	17	12	13
16	6	5	11	25	20	40	31	86	14	16	11	14
17	5	5	10	400	13	36	28	74	17	16	11	14
18	5	6	8	182	21	32	36	61	18	17	11	13
19	4	5	8	74	16	35	478	78	22	13	11	13
20	21	4	8	60	86	31	182	52	21	18	15	12
21	5	4	8	46	192	31	126	58	27	19	12	13
22	4	4	10	28	97	30	101	76	26	12	13	13
23	7	6	162	25	63	27	107	48	17	26	12	39
24	222	104	81	19	38	26	60	40	16	14	23	28
25	85	23	36	162	27	23	57	116	25	11	13	15
26	35	11	21	192	26	38	39	55	202	12	192	13
27	12	10	19	86	31	72	38	40	38	11	88	13
28	6	35	60	28	39	78	36	57	34	11	42	13
29	5	3	46	23	54	55	34	48	38	9	21	13
30	6	30	26	22	.....	72	39	68	38	13	15	153
31	16	.....	63	23	.....	43	.....	39	.....	14	12	.....
1924-25												
1	212	10	11	5	21	110	73	32	21	16	569	8
2	74	12	8	19	22	569	58	29	18	12	255	8
3	35	10	11	11	22	183	42	25	16	12	80	8
4	21	10	9	12	22	83	38	23	16	11	23	8
5	18	9	10	13	21	71	33	23	15	12	23	8
6	18	10	153	8	22	73	32	22	13	11	48	9
7	16	9	40	7	32	76	28	21	13	11	24	37
8	18	9	26	8	40	67	24	22	18	12	14	91
9	18	10	66	10	42	60	22	20	19	13	16	61
10	16	10	30	11	144	53	29	30	16	16	74	20
11	15	10	[illegible]	9	370	47	76	60	13	26	57	11
12	14	9	18	10	830	50	39	74	12	14	26	8
13	14	8	21	8	605	44	31	58	8	10	17	7
14	13	10	17	8	230	46	24	37	9	9	19	8
15	10	10	17	8	162	42	53	22	13	11	14	10
16	12	10	11	14	230	32	61	16	76	12	13	68
17	11	12	12	27	183	47	42	18	44	61	12	51
18	12	9	14	30	122	107	40	16	20	19	11	16
19	11	9	14	22	107	282	40	16	14	12	11	11
20	10	6	14	19	121	268	35	15	12	10	10	9
21	14	10	10	18	124	93	29	15	22	11	10	9
22	10	25	9	19	124	70	26	13	30	12	16	7
23	10	58	10	14	152	64	23	13	22	11	13	7
24	10	20	23	20	142	54	22	61	18	10	12	7
25	11	17	38	18	101	39	20	71	30	12	11	7
26	10	12	14	16	162	35	23	57	93	32	11	7
27	10	11	10	25	133	42	22	42	30	20	10	7
28	11	10	9	25	93	133	22	26	19	16	9	7
29	13	17	7	25	.....	102	23	29	22	53	9	7
30	10	15	10	22	.....	102	29	39	22	16	8	7
31	10	.....	7	25	.....	93	.....	25	.....	22	8	.....

Daily discharge, in second-feet, of Rahway River at Rahway, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	7	28	34	8	110	133	96	16	16	6	25	9
2	7	22	18	12	40	282	50	16	33	7	17	33
3	20	22	133	13	22	230	37	16	17	9	13	64
4	12	12	605	14	58	91	88	14	12	9	10	19
5	39	17	433	19	35	73	47	13	13	9	9	21
6	14	25	172	23	20	38	37	13	13	11	9	162
7	9	28	107	16	19	218	37	15	12	11	8	905
8	8	25	70	13	19	680	62	13	16	8	9	296
9	8	76	50	14	15	162	94	13	11	7	7	79
10	12	16	37	12	53	88	53	12	13	7	7	80
11	8	18	16	10	25	70	39	12	11	9	6	42
12	8	17	33	13	15	61	32	12	10	7	11	31
13	7	282	34	9	14	55	33	13	16	9	218	24
14	7	114	26	11	18	39	30	22	11	7	82	22
15	61	42	22	12	43	38	25	17	12	12	124	19
16	16	114	22	11	70	35	23	61	11	47	76	18
17	25	65	21	12	64	32	22	76	11	13	255	17
18	13	32	20	16	39	32	22	31	10	9	91	17
19	11	30	16	101	183	42	22	23	9	89	47	16
20	10	23	18	42	268	42	19	31	9	15	24	17
21	9	13	24	29	104	55	19	22	9	11	16	14
22	8	19	50	122	64	47	18	16	10	8	22	14
23	7	11	34	42	50	50	18	15	54	6	22	13
24	9	15	22	22	39	61	18	14	39	14	15	14
25	218	11	20	16	61	47	48	13	14	183	44	24
26	133	11	18	15	680	53	28	13	22	133	43	16
27	42	22	14	15	433	86	21	12	22	22	22	12
28	39	67	13	22	162	48	18	12	12	12	15	15
29	29	24	13	22	.....	37	20	13	10	11	12	22
30	25	16	11	22	.....	32	18	13	11	230	13	15
31	30	.....	8	23	.....	34	.....	16	.....	39	9	.....
1926-27												
1	13	57	122	60	34	67	23	24	25	11	325	230
2	13	50	62	50	32	55	33	21	22	11	1,140	717
3	13	30	40	42	33	32	26	22	17	11	433	466
4	12	25	35	42	42	25	23	18	17	10	86	109
5	13	24	48	55	28	31	24	19	96	10	47	73
6	39	15	29	47	28	35	39	21	50	10	34	55
7	22	18	29	34	30	32	28	21	23	10	25	48
8	14	17	30	25	30	50	23	14	19	30	80	44
9	13	64	30	16	30	42	20	16	16	12	980	39
10	13	398	30	22	48	40	20	33	16	15	534	35
11	18	172	32	18	28	31	20	82	14	13	110	32
12	43	57	29	16	25	35	18	29	13	10	61	30
13	21	44	29	16	23	32	16	21	13	9	44	25
14	15	38	43	32	25	37	16	16	18	9	88	25
15	14	35	71	64	37	42	16	152	31	9	433	25
16	12	58	34	83	53	34	14	71	16	9	172	22
17	21	296	25	26	42	33	20	31	12	218	65	22
18	22	102	37	30	61	29	20	22	12	73	79	22
19	25	133	18	22	115	40	16	21	64	50	97	37
20	31	73	20	58	67	40	16	51	80	21	50	34
21	85	53	22	242	50	71	16	24	29	15	44	23
22	29	42	24	133	42	102	152	21	18	13	39	19
23	21	34	24	97	58	46	76	17	17	183	50	18
24	19	32	21	68	133	60	38	183	19	642	42	18
25	172	29	25	50	218	32	28	340	21	218	34	16
26	68	22	206	39	433	25	22	355	57	35	26	16
27	34	133	76	42	310	33	26	218	17	24	194	18
28	29	50	114	22	94	34	91	80	14	20	152	22
29	20	38	534	47	.....	30	35	48	13	16	433	22
30	18	138	172	51	.....	28	25	38	13	14	255	17
31	35	.....	74	51	.....	32	.....	31	.....	25	91	.....

Daily discharge, in second-feet, of Rahway River at Rahway, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	15	31	32	89	31	68	58	83	29	30	32	33
2	15	32	51	29	28	54	47	64	22	35	30	30
3	15	67	133	29	24	47	39	51	19	23	32	122
4	142	218	62	23	24	39	37	46	19	20	34	73
5	60	107	99	23	71	38	34	42	65	172	30	38
6	23	65	104	24	44	31	32	38	255	1,260	42	46
7	22	47	97	26	40	29	32	40	96	755	32	70
8	22	37	401	31	325	30	34	33	38	162	29	40
9	80	35	325	31	310	33	28	40	30	58	38	34
10	77	34	89	32	99	35	30	42	83	67	29	26
11	31	33	43	31	65	35	25	38	30	76	43	18
12	23	37	85	31	53	73	47	40	23	58	29	17
13	255	28	82	32	43	117	34	31	28	162	22	20
14	206	26	172	31	39	102	31	33	22	355	20	104
15	54	28	93	32	325	74	37	29	58	162	21	30
16	32	26	79	30	172	57	29	28	23	67	19	25
17	47	30	107	39	83	50	26	29	19	47	31	24
18	717	162	70	33	96	80	25	67	18	39	53	21
19	942	55	53	34	68	88	25	83	58	33	31	76
20	534	37	57	183	60	68	21	54	117	31	20	162
21	206	32	44	79	51	53	22	40	47	32	18	68
22	94	31	42	28	54	46	89	31	62	32	64	34
23	73	30	40	31	605	48	162	31	67	133	117	28
24	58	32	37	29	680	40	401	29	121	55	44	24
25	48	32	30	218	172	43	194	25	61	32	43	22
26	46	29	30	101	76	40	73	30	35	32	183	30
27	43	29	29	53	62	40	61	31	28	97	605	22
28	39	40	30	39	58	35	370	30	23	162	433	21
29	39	46	34	38	53	31	310	25	42	64	91	22
30	35	35	50	37	.....	152	110	24	65	37	57	32
31	32	.....	53	30	.....	133	.....	23	.....	28	47	.....

NOTE.—These tables do not include diversions. Indirect method of computing discharge used. Discharge January 30, 1925, April 18, to May 22, 1926, when gage height record is missing, determined by graphic study of gage height record, weather records, and records of nearby streams.

Monthly discharge of Rahway River at Rahway, for the years ending September 30, 1922-1928.

[Drainage area, 41 square miles.]

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1921-22						
October	14	6	8.94	22.8	0.556	0.64
November	60	5	15.5	30.1	.734	.82
December	45	6	15.3	29.5	.720	.83
January	36	2	12.1	27.1	.661	.76
February	212	10	57.9	73.2	1.79	1.86
March	505	27	97.0	111.0	2.71	3.12
April	313	22	54.5	70.3	1.71	1.91
May	452	17	75.0	91.6	2.23	2.57
June	313	15	59.9	75.0	1.83	2.04
July	400	13	83.7	96.8	2.36	2.72
August	45	6	15.3	29.2	.712	.82
September	45	4	12.1	25.8	.629	.70
The year	505	2	42.2	56.8	1.39	18.79

Monthly discharge of Rahway River at Rahway, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet					Run-off inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1922-23						
October	36	2	9.4	25.2	0.615	0.71
November	21	5	9.4	25.2	.615	.69
December	111	6	17.3	33.5	.817	.94
January	325	9	66.4	83.5	2.04	2.35
February	88	12	30.0	48.1	1.17	1.22
March	533	39	145	162	3.95	4.55
April	233	17	43.8	61.4	1.50	1.67
May	45	12	21.0	38.1	.929	1.07
June	72	6	19.4	36.3	.885	.99
July	93	6	17.2	34.2	.834	.96
August	26	4	7.9	25.2	.615	.71
September	48	2	8.8	26.2	.639	.71
The year	533	2	33.1	50.1	1.22	16.57
1923-24						
October	222	3	16.7	34.4	0.839	0.97
November	104	3	12.0	28.2	.688	.77
December	222	8	39.4	56.1	1.37	1.58
January	400	16	83.4	100	2.44	2.81
February	222	13	46.8	64.0	1.56	1.68
March	290	23	71.3	88.6	2.16	2.49
April	835	28	120	137	3.34	3.73
May	533	23	117	133	3.24	3.74
June	202	14	34.8	51.8	1.26	1.41
July	730	8	50.6	67.2	1.64	1.89
August	192	10	31.1	48.0	1.17	1.35
September	153	12	29.1	45.2	1.10	1.23
The year	835	3	54.4	71.3	1.74	23.65
1924-25						
October	212	10	22.2	39.3	.959	1.11
November	58	6	12.9	29.7	.724	.81
December	153	7	21.6	38.3	.934	1.08
January	30	5	15.7	32.9	.802	.92
February	820	21	156	173	4.22	4.39
March	569	32	101	118	2.88	3.32
April	76	20	35.3	42.3	1.28	1.43
May	74	13	31.3	48.7	1.19	1.37
June	93	8	23.1	41.0	1.00	1.12
July	61	9	16.9	35.7	.871	1.00
August	569	8	46.2	64.2	1.57	1.81
September	91	7	17.6	36.2	.883	.99
The year	830	5	41.0	58.4	1.42	19.35
1925-26						
October	218	7	27.5	45.2	1.10	1.27
November	282	11	40.6	57.1	1.39	1.55
December	605	8	68.2	85.2	2.08	2.40
January	122	8	23.6	40.7	0.993	1.14
February	680	14	97.2	115	2.80	2.92
March	680	32	96.5	113	2.76	3.18
April	96	18	36.5	52.5	1.28	1.43
May	76	12	19.3	36.5	.890	1.03
June	54	9	15.6	33.3	.812	.91
July	230	6	31.3	49.9	1.22	1.41
August	255	6	41.3	58.9	1.44	1.66
September	905	9	68.3	86.4	2.11	2.35
The year	905	6	46.8	64.1	1.56	21.25

Monthly discharge of Rahway River at Rahway, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1926-27						
October	172	12	29.6	46.2	1.13	1.30
November	398	15	75.9	92.7	2.26	2.52
December	534	18	67.3	84.5	2.06	2.38
January	242	16	51.6	69.1	1.69	1.95
February	433	23	76.7	94.1	2.30	2.40
March	102	25	40.5	57.5	1.40	1.61
April	152	14	31.3	48.4	1.18	1.32
May	355	14	66.5	83.1	2.03	2.34
June	96	12	26.4	43.8	1.07	1.19
July	642	9	56.6	74.0	1.80	2.08
August	1,140	25	201	218	5.32	6.13
September	717	16	76.0	93.2	2.27	2.53
The year	1,140	9	66.7	83.8	2.04	27.75
1927-28						
October	942	15	130	147	3.59	4.14
November	218	26	49.0	65.5	1.60	1.78
December	401	29	85.6	103	2.51	2.89
January	218	23	48.3	65.6	1.60	1.84
February	680	24	131	149	3.63	3.92
March	152	29	58.4	75.3	1.84	2.12
April	401	21	82.1	98.1	2.39	2.67
May	83	23	39.7	56.3	1.37	1.58
June	255	18	53.4	69.8	1.70	1.90
July	1,260	20	139	156	3.80	4.38
August	605	18	74.8	91.6	2.23	2.57
September	162	17	43.7	62.7	1.53	1.71
The year	1,260	15	77.9	94.8	2.31	31.50

NOTE.—Observed discharge is flow in river at gaging station. Discharge corrected for diversion includes water pumped from the river and from wells in the drainage basin.

Robinsons Branch of Rahway River at Goodmans.

LOCATION.—At Goodmans railroad station on Lehigh Valley Railroad, 2¾ miles upstream from dam and pumping station of the Middlesex Water Company near Rahway, Union County, and 4½ miles upstream from mouth of stream.

DRAINAGE AREA.—12.7 square miles.

RECORDS AVAILABLE.—October 27, 1921, to December 31, 1924, when station was discontinued.

EQUIPMENT.—Vertical staff gage attached to tree on right bank 100 feet below highway bridge.

CHANNEL AND CONTROL.—Channel, fine gravel, banks high. Control is riffle of rocks, probably artificial, 50 feet below gage and is drowned out by backwater from reservoir at medium and high stages when reservoir is full.

EXTREMES OF DISCHARGE.—1921-1924: Maximum stage recorded 5.40 feet at 8:00 A. M. April 7, 1924 (discharge, not determined); minimum stage recorded, 0.12 foot all day August 21, 1923 (discharge, 0.9 second-foot).

REGULATION.—Swamp just above station gives natural storage.

Daily discharge, in second-feet, of Robinsons Branch of Rahway River at Goodmans, for the years ending September 30, 1922-1923.

Day	Oct.	Nov.	Dec.	Jan.	Aug.	Sept.	Day	Oct.	Nov.	Dec.	Jan.	Aug.	Sept.
1921-22													
1		2.6	6.8	2.6	3.3	12.0	16		3.8	3.8	3.1	2.3	2.6
2		5.1	5.7	1.8	12.5	4.0	17		12.5	2.6	2.9	2.2	2.3
3		2.6	30	2.2	8.4	3.1	18		15.0	15	2.4	2.2	2.2
4		2.3	11.5	1.6	6.0	22	19		4.6	12	4.3	2.0	2.2
5		2.6	8.0	2.0	4.6	50	20		16.5	7.2	10	2.4	2.2
6		2.2	5.7	2.9	2.9	9.2	21		12.5	5.0	16	2.3	2.2
7		2.0	5.7	3.3	2.9	8.0	22		7.6	2.3	15	2.2	2.2
8		2.2	5.0	2.3	2.8	5.3	23		6.0	2.3	13	2.0	2.2
9		2.2	5.0	2.4	2.4	3.6	24		6.8	7.2	3.1	2.0	2.2
10		3.3	3.3	2.4	2.4	3.1	25		5.7	16.5	2.9	2.2	2.0
11		2.8	4.3	2.4	2.3	3.1	26		6.4	11.0	1.7	2.4	1.9
12		2.8	5.7	4.3	2.4	7.6	27	1.8	13	6.0	2.8	2.8	1.8
13		2.8	6.8	3.6	2.4	7.6	28	1.8	23	4.0	1.9	3.3	1.8
14		3.1	4.3	3.3	2.4	4.0	29	2.0	41	4.0	3.1	2.9	1.7
15		4.6	3.6	3.1	2.3	2.8	30	2.3	18.5	3.8	2.3	2.4	1.7
							31	2.6		2.9	2.0	2.8	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	1.6	2.8	3.1	120	8.0	18	5.7	11	1.9	1.5	2.0	1.4
2	1.5	4.0	3.1	44	12	20	5.0	6.4	1.9	1.4	1.8	
3	1.4	8.0	3.8	20	16	30	6.4	5.0	1.9	2.0	1.6	
4	1.3	6.8	3.1	16	15	65	10	4.0	2.6	1.9	1.5	
5	1.4	5.3	16	14	12	65	36	3.3	2.0	6.4	1.4	
6	1.3	5.3	9.2	13	8.8	34	52	2.9	1.9	2.0	1.4	
7	1.4	4.6	5.0	13	6.4	28	20	2.9	17	1.8	1.4	
8	6.4	4.6	8.0	9.2	5.7	17	14	2.6	63	1.6	1.4	
9	3.8	3.6	10	9.6	5.7	12	14	2.9	12	1.5	1.4	
10	7.2	3.6	8.0	14	7.2	13	10	2.9	3.3	1.4	1.3	1.0
11	5.3	3.3	4.3	14	7.6	24	8.0	2.6	2.3	1.7	1.3	
12	3.8	3.3	8.0	10	7.2	50	6.8	2.6	2.0	1.6	1.2	
13	3.3	3.1	5.7	8.8	12	70	6.0	7.2	1.9	1.5	1.4	
14	2.9	3.1	3.3	6.4	18	75	6.8	5.7	1.8	1.5	1.2	
15	3.1	5.0	4	10	15	45	6.0	3.8	1.9	1.5	1.2	
16	3.3	6.8	4	13	12	80	6.0	3.8	1.8	9.6	1.2	
17	3.3	4.3	8	10	9.2	180	5.3	5.0	1.6	2.3	1.2	
18	2.9	4.0	9	6.4	5.3	70	5.0	3.3	1.6	1.6	1.0	
19	2.9	3.8	6	6.8	4.3	45	4.6	2.9	1.5	1.4	1.0	
20	2.9	3.6	3.8	5.7	3.3	19	4.0	2.6	1.4	1.3	1.0	0.5
21	2.9	3.1	4.0	22	3.3	16	4.0	12	1.4	1.2	.9	10
22	3.1	2.8	4.6	50	3.6	16	3.6	8.0	1.3	2.0	1.1	8
23	3.3	2.8	3.8	25	3.8	16	3.3	4.3	1.4	3.6	1.2	5.0
24	8.8	2.8	4.3	18	3.3	50	3.1	3.3	1.4	2.0	1.1	5.7
25	6.0	2.8	4.3	22	3.3	28	2.9	2.6	1.4	3.1	1.1	3.3
26	4.6	2.6	5.7	18	5.0	16	2.9	2.3	1.4	2.0	1.1	3.1
27	3.8	2.4	5.7	17	14	13	2.9	2.2	1.6	1.4	1.1	2.9
28	3.6	2.8	41	15	18	10	2.9	2.0	1.5	2.4	1.8	2.9
29	3.1	2.9	31	14		9.2	100	2.0	1.6	5.3	1.8	2.6
30	2.8	2.9	16	10		8.0	26	2.0	1.5	2.9	1.6	2.6
31	2.8		6.4	8.0		8.0		1.9		2.2	1.4	

NOTE.—Stage-dscharge relation Feb. 1-July 31, 1922, affected by backwater from storage reservoir; discharge not determined. Discharge Oct. 1-7, 26-31, Nov. 1-30, Dec. 1-3, 15-19, 1922; Jan. 1-4, 21-7, Feb. 3-5, 13-16, 27, 28, Mar. 1--5, 12-18, 24, April 7, to June 7, and Sept. 2-12, 1923, when stage-discharge relation was affected by backwater from storage reservoir or by debris on control, determined by indirect method of computing daily discharge. Discharge Sept. 13-19, 1923, when gage heights are missing, determined by graphic study of gage height record, and records of nearby streams.

Monthly discharge of Robinsons Branch of Rahway River at Goodmans, for the years ending September 30, 1922-1925.

[Drainage area, 12.7 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1921-22					
October	2.6	1.8	2.1	0.165	0.03
November	41	2.0	7.80	.614	.68
December	30	2.3	7.00	.551	.64
January	16	1.6	4.09	.324	.37
August	12.5	2.0	3.17	.250	.29
September	50	1.7	5.89	.464	.52
1922-23					
October	8.8	1.3	3.41	0.269	0.31
November	8.0	2.4	3.89	.306	.34
December	41	2.8	8.10	.638	.74
January	120	5.7	18.8	1.48	1.71
February	18	3.3	8.75	.689	.72
March	180	8.0	37.1	2.92	3.37
April	100	2.9	12.8	1.01	1.13
May	12	1.9	4.06	.320	.37
June	63	1.3	4.66	.367	.41
July	9.6	1.2	2.37	.187	.22
August	2.0	.9	1.33	.105	.12
September	10	.5	2.20	.173	.19
The year	180	.5	8.99	.708	9.63
1923-24					
October	60	2.4	6.49	0.511	0.59
November	36	2.0	5.19	.409	.46
December	40	3.3	13.2	1.04	1.20
January	90	2.9	19.3	1.52	1.75
February	60	2.9	13.5	1.06	1.14
March	100	3.1	19.4	1.53	1.76
April	.....	3.3	44.0	3.46	3.86
May	.....	4.0	37.7	2.97	3.42
June	30	2.2	11.2	.882	.98
July	26	2.2	10.3	.811	.94
August	15	2	4.65	.366	.42
September	61	2	6.85	.539	.60
The year	.....	2.0	16.0	1.26	17.12
1924					
October	64	1.7	14.2	1.12	1.29
November	25	1.7	6.30	.496	.55
December	19	2.3	7.09	.558	.64

NOTE.—Station discontinued December 31, 1924.

RARITAN RIVER BASIN.

South Branch of Raritan River Near High Bridge.

LOCATION.—One mile above High Bridge, Hunterdon County, and 4 miles above mouth of Spruce Run.

DRAINAGE AREA.—65 square miles.

RECORDS AVAILABLE.—February 24, 1919, to September 30, 1928.

EQUIPMENT.—To September 30, 1921: Reference stake 2 inches square driven into bed of stream on left bank near large pine tree one mile above High Bridge.

After September 30, 1921: Water-stage recorder just above former reference stake.

CHANNEL AND CONTROL.—Channel, very rough with many boulders. Control is a well defined riffle of rock and boulders 100 feet below gage, probably permanent.

EXTREMES OF DISCHARGE.—1919-1928: Maximum stage from water-stage recorder, 10.97 feet at 10:30 A. M. February 2, 1922 (discharge, about 3,600 second-feet); minimum stage, 4.80 feet 6:30 A. M. October 3, 1921 (discharge, 9 second-feet).

REGULATION.—Daily distribution of flow affected by small water power at points upstream.

CO-OPERATION.—Taylor-Wharton Iron and Steel Company furnished gage height record to September 30, 1921, erected shelter for water-stage recorder, and operated instrument.

Daily discharge, in second-feet, of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928.

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919								
1	.....	685	157	98	60	38	412	170
2	.....	245	150	150	57	39	200	168
3	.....	217	148	160	65	37	190	192
4	.....	192	136	130	64	35	180	204
5	.....	180	136	108	45	28	168	160
6	.....	230	150	106	49	400	260	135
7	.....	157	134	112	75	49	430	115
8	.....	150	119	136	55	43	180	110
9	.....	510	116	140	60	41	150	85
10	.....	378	112	160	60	40	145	88
11	.....	260	119	175	57	47	143	121
12	.....	217	135	168	49	55	148	143
13	.....	204	143	150	45	50	155	100
14	.....	180	132	135	45	47	1,060	80
15	.....	168	152	119	50	37	325	81
16	.....	217	550	112	110	39	390	70
17	.....	325	217	119	51	39	240	74
18	.....	290	200	250	34	42	290	54
19	.....	217	180	116	39	450	275	55
20	.....	204	160	110	39	275	230	50
21	.....	168	148	96	53	595	217	50
22	.....	155	121	100	43	940	204	65
23	.....	140	116	140	37	1,650	180	217
24	180	125	152	130	39	640	155	204
25	.....	125	150	150	38	440	168	119
26	640	110	145	112	34	342	121	96
27	168	110	140	125	152	360	121	80
28	.....	640	134	85	100	290	121	75
29	.....	600	125	70	60	260	100	76
30	.....	300	116	65	57	220	90	78
31	.....	180	.....	60	.....	204	180	.....

FREE PUBLIC LIBRARY, ELIZABETH, N. J.

Daily discharge, in second-feet, of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-20												
1	90	120	230	90	.....	.....	275	192	110	121	200	49
2	87	180	217	100	.....	.....	420	185	115	378	120	60
3	108	143	143	80	.....	.....	310	180	110	420	100	48
4	80	116	100	70	.....	.....	200	157	105	100	85	50
5	100	395	120	70	.....	.....	560	143	240	85	80	50
6	76	180	110	70	.....	.....	360	130	140	76	100	50
7	72	157	260	80	.....	.....	280	123	125	60	120	140
8	96	140	200	95	.....	.....	220	125	110	59	110	47
9	92	135	300	180	.....	.....	170	160	90	52	102	49
10	52	130	420	143	.....	.....	170	125	90	57	112	139
11	50	108	260	120	.....	.....	170	121	90	60	125	60
12	60	168	300	116	.....	.....	168	116	87	290	116	55
13	110	470	240	116	.....	.....	300	180	95	342	550	52
14	92	230	270	108	.....	.....	195	204	112	83	308	54
15	275	180	204	100	.....	.....	180	217	87	94	180	48
16	152	175	160	.....	.....	640	160	190	85	83	112	49
17	260	168	140	.....	.....	595	230	143	80	70	116	57
18	140	157	125	.....	.....	640	190	119	140	70	160	55
19	110	146	105	.....	.....	595	185	104	100	108	148	50
20	110	132	100	.....	.....	420	180	108	90	81	130	48
21	100	125	110	.....	.....	455	470	157	78	60	123	55
22	100	115	115	.....	.....	470	275	395	79	58	115	48
23	81	115	120	.....	.....	450	260	220	74	735	108	48
24	155	114	125	.....	.....	510	230	192	66	245	105	41
25	145	121	140	.....	.....	430	195	160	78	200	104	43
26	120	230	170	.....	.....	230	192	140	75	180	121	55
27	108	280	145	.....	.....	320	204	130	75	157	62	62
28	152	204	140	.....	.....	280	217	130	72	168	62	68
29	116	190	148	.....	.....	290	230	120	66	130	70	45
30	112	360	119	.....	.....	308	204	115	60	104	79	275
31	100	.....	134	.....	.....	308	.....	110	.....	120	59	.....
1920-21												
1	640	49	580	175	157	510	275	220	66	139	35	28
2	275	31	245	185	143	510	230	180	57	76	35	27
3	120	140	87	192	140	470	200	180	45	60	121	31
4	83	92	72	168	140	308	168	121	54	45	121	30
5	71	72	600	152	140	280	217	685	60	53	47	25
6	68	70	104	168	180	270	168	245	66	45	37	28
7	75	100	79	157	160	260	157	217	53	45	40	46
8	70	100	102	157	135	240	148	168	47	53	192	49
9	70	76	110	155	140	260	260	148	55	55	59	28
10	65	60	104	155	150	250	180	132	60	55	39	49
11	62	39	94	121	200	325	168	148	55	104	45	30
12	71	62	80	121	150	290	139	200	55	65	43	31
13	62	62	121	130	120	340	148	735	50	41	45	31
14	71	60	550	230	130	275	148	217	47	37	45	35
15	78	60	230	700	121	230	157	180	30	104	45	31
16	60	70	140	320	157	245	168	140	32	49	47	41
17	40	835	108	230	157	230	170	134	45	50	34	37
18	85	192	95	180	157	192	217	125	35	41	25	30
19	65	81	90	160	121	180	204	130	30	40	32	47
20	65	70	121	150	100	180	168	116	28	85	37	34
21	71	65	143	150	110	180	125	143	28	59	35	41
22	65	68	155	160	140	168	125	100	28	37	35	60
23	64	320	200	180	135	168	125	87	35	35	37	32
24	40	180	120	170	130	152	480	110	28	35	31	28
25	62	120	85	155	136	735	220	125	28	35	28	25
26	62	80	75	130	120	245	168	140	25	35	28	29
27	65	76	71	130	115	220	152	104	28	43	28	27
28	100	71	168	125	110	192	143	102	35	33	28	25
29	66	80	180	125	.....	260	139	120	53	34	28	28
30	60	76	143	140	.....	180	168	79	180	41	34	23
31	55	.....	168	340	.....	192	.....	72	.....	35	28	.....

Daily discharge, in second-feet, of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	29	43	85	60	304	137	685	103	69	769	68	348
2	32	55	115	50	1,410	129	230	96	87	459	75	90
3	44	49	307	50	446	122	210	95	183	404	100	72
4	38	52	116	60	166	134	250	179	279	474	115	841
5	50	38	96	70	119	239	220	482	140	370	139	491
6	44	34	73	80	134	274	200	210	164	242	77	193
7	35	36	78	70	141	440	240	159	122	178	68	148
8	44	43	64	55	96	852	220	135	92	158	57	135
9	33	38	55	65	87	293	200	119	80	153	58	119
10	33	50	44	75	78	257	180	110	80	140	52	115
11	38	56	53	80	82	308	170	104	91	125	53	107
12	40	36	53	70	106	301	190	96	94	113	65	100
13	35	34	54	60	113	250	157	98	70	114	70	93
14	40	49	49	50	98	224	144	86	56	113	70	84
15	40	40	50	48	91	218	418	105	60	105	70	77
16	31	45	98	44	79	182	217	106	60	92	60	50
17	35	61	59	44	116	166	204	90	58	87	50	55
18	45	64	65	50	197	144	245	237	78	96	46	60
19	36	52	70	60	159	144	194	348	102	128	45	55
20	40	104	55	65	371	472	180	182	78	90	44	50
21	56	82	48	70	276	294	160	133	80	77	44	46
22	45	68	46	70	212	212	154	121	77	83	48	46
23	37	49	48	70	270	182	143	109	63	97	38	58
24	36	46	55	60	316	173	143	102	56	101	36	53
25	42	48	60	50	164	162	129	99	53	113	36	57
26	37	33	50	46	140	155	123	100	60	93	36	51
27	43	50	50	40	186	156	118	86	59	72	46	50
28	37	174	55	40	179	200	112	80	88	71	55	50
29	33	416	65	46	.....	170	105	77	63	92	55	50
30	35	132	70	55	.....	150	102	73	55	74	51	49
31	28	.....	65	70	.....	200	.....	69	.....	67	86	.....
1922-23												
1	42	45	46	500		180	143	151	66	39	40	27
2	49	42	49	343		147	153	132	61	44	42	25
3	41	50	39	145		346	153	120	107	43	39	27
4	48	60	45	115		570	182	118	140	55	36	27
5	43	43	63	92		475	370	112	83	106	38	30
6	42	45	64	87		235	437	108	76	55	39	27
7	42	43	48	70		193		105	86	46	38	29
8	55	46	47	83		181		103	294	42	39	32
9	69	46	48	89		156		167	152	41	34	40
10	77	42	54	78		150	250	135	105	44	38	39
11	103	39	51	90		156		108	90	45	34	32
12	69	38	48	70		354		107	79	41	36	30
13	51	45	62	73		411		171	76	40	54	28
14	49	44	100			411	138	123	67	40	38	26
15	50	41	78		90	294	132	108	77	34	38	26
16	50	43	46			690	134	113	69	59	35	23
17	47	47	48			828	121	193	55	48	34	27
18	48	40	57			460	119	121	62	44	30	28
19	44	39	74			430	118	103	56	38	27	29
20	47	42	65			307	115	89	53	39	25	25
21	41	42	45			292	104	203	54	35	30	86
22	39	38	65	75		308	100	150	55	34	30	46
23	47	41	63			339	105	114	49	41	29	115
24	52	44	41			373	94	95	48	33	30	77
25	46	39	45			268	95	93	54	61	28	44
26	44	36	52			239	88	80	46	48	26	37
27	47	38	51			217	89	84	47	39	25	35
28	43	43	190			199	114	81	48	40	30	34
29	37	41	114		.....	170	541	78	44	38	31	33
30	44	36	110		.....	177	200	69	50	41	27	30
31	40	.....	120		.....	167	.....	69	.....	42	28	.....

Daily discharge, in second-feet, of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	30	61	184	128	120	74	102	289	121	71	45	29
2	34	49	97	98	113	79	97	165	116	65	40	30
3	31	44	76	320	110	85	116	138	107	67	37	36
4	30	38	63	192	112	119	179	135	120	63	40	32
5	29	40	104	136	207	246	194	126	114	58	40	33
6	28	41	316	94	230	451	598	119	112	60	64	33
7	26	94	149		155	278	1,170	112	114	58	47	32
8	25	73	106	100	114	168	440	137	104	72	46	31
9	31	52	97		93	156	323	449	108	114	37	36
10	29	45	92		99	150	292	261	96	77	38	42
11	28	41	88	213	97	232	248	210	89	64	35	36
12	28	46	80	182	96	187	216	545	98	54	122	36
13	30	40	73	114	90	145	203	457	115	67	78	33
14	26	44	88	104	85	127	185	299	147	68	58	35
15	26	39	69	88	85	111	165	338	108	58	44	33
16	31	36	67	307	92	93	150	250	89	55	39	34
17	30	36	69	622	104	92	146	223	80	57	42	33
18	29	34	64	220	108	105	258	218	78	49	42	34
19	28	37	60	188	94	113	508	256	82	50	45	33
20	33	38	57		113	104	237	201	77	46	41	30
21	29	38	66	110	167	105	230	218	72	49	40	34
22	29	37	95		132	101	220	202	71	48	38	38
23	39	39	289		110	104	203	168	66	58	38	62
24	200	90	196		90	108	166	157	65	49	32	44
25	102	61	119	514	75	96	152	191	172	44	38	37
26	59	48	105	204	70	106	142	154	181	47	38	38
27	44	51	96	127	70	114	136		97	37	40	33
28	41	48	119	130	72	161	131	140	93	41	35	32
29	40	38	124	130	78	157	139		92	47	35	41
30	41	210	96	141	.....	131	164		84	41	35	459
31	86	.....	108	132	.....	118	.....	127	.....	39	32	.....
1924-25												
1	403	38	53			325	150	102	63	59	497	44
2	124	37	68			460	160	90	70	50	140	42
3	88	41	72			219	141	81	68	47	96	41
4	72	36	45			209	126	80	60	39	80	41
5	67	36	55		60	202	120	80	54	50	78	40
6	62	40	166	55		242	114	77	52	50	81	38
7	61	38	103			254	111	74	49	43	71	85
8	55	36	84			228	106	73	48	42	65	69
9	55	36	133			216	102	73	49	49	104	45
10	51	40	84			194	103	72	61	58	229	45
11	49	37	69		750	189	133	153	50	46	92	42
12	47	38	61			211	113	189	46	41	74	41
13	47	39	64			172	103	106	42	44	76	39
14	47	41	64		310	172	99	91	41	37	79	66
15	46	38	50		335	159	220	88	49	38	72	53
16	47	37	55	38	440	140	161	84	78	51	64	160
17	47	38	60		340	153	120	91	58	85	62	242
18	43	45	64		266	202	111	85	50	54	57	93
18	41	54	62		226	501	106	74	44	44	60	69
20	46	41	55		225	266	109	64	42	43	54	63
21	44	41			246	199	97	69	42	45	59	57
22	44	77			332	188	92	62	44	59	57	55
23	41	117			423	172	91	53	44	78	50	49
24	42	72			405	163	88	102	41	51	55	52
25	40	59			325	157	83	224	51	43	49	48
26	39	49	46	30	520	147	84	111	51	94	48	44
27	39	47			289	151	83	83	47	138	45	39
28	41	50			218	280	78	72	43	90	45	46
29	41	50			.....	188	80	68	65	96	40	45
30	41	43			.....	181	84	76	92	61	39	41
31	37	.....			.....	161	.....	68	.....	166	46	.....

Daily discharge, in second-feet, of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	41	87	122		126	205	148	77	63	39	45	45
2	43	90	145	80	94	308	121	72	83	39	45	87
3	58	86	298		85	217	113	71	76	37	46	130
4	59	77	407			146	137	71	58	38	38	70
5	81	74	258	97		127	116	64	50	35	37	71
6	65	101	308	102		113	108	64	44	46	36	250
7	58	90	217	94		503	106	60	53	53	37	172
8	45	93	191	76		549	188	62	68	43	35	104
9	49	118	182	73		194	227	53	54	36	35	83
10	61	87	166			158	139	57	45	39	35	91
11	52	80	152		90	142	122	59	44	39	34	73
12	46	91	153			132	114	57	44	42	69	62
13	48	492	149			124	106	54	43	37	134	66
14	51	200	138	100		110	103	70	45	37	120	60
15	102	146	127			112	102	69	105	38	114	54
16	76	316	126			103	93	63	72	47	121	57
17	67	187	123			97	90	68	53	39	217	55
18	69	151	111		295	100	87	59	48	37	107	51
19	60	144	106		548	110	85	56	44	86	86	48
20	55	133	110	145	300		84	58	40	55	69	53
21	52	133	126	132	181		78	57	39	40	63	50
22	52	124	150	126	135		78	52	39	37	57	50
23	57	122	124	117	125	170	74	49	44	40	66	48
24	57	109	106		109		78	53	48	47	67	46
25	320	105	104		399		103	49	69	178	71	50
26	220	106	97		702		91	49	55	108	72	50
27	120	171	96	100	317		78	47	52	77	62	53
28	96	192			189	130	83	44	48	60	53	52
29	88	130	90		.....	109	91	44	45	68	47	72
30	89	112			.....	107	76	40	41	92	50	66
31	88	.....			.....	117	.....	45	.....	51	45	.....
1926-27												
1	60	166	168	114	140	160	102	84	107	65	290	317
2	52	119	136	95	138	146	112	82	97	54	384	344
3	50	104	108	103	156	125	116	81	89	56	155	237
4	49	96	123	114	172	115	106	81	94	56	124	212
5	48	92	90	126	118	113	99	92	130	56	114	196
6	60	87	85	111	108	121	112	85	108	49	113	190
7	72	85	80	92	107	132	102	79	90	56	106	180
8	55	86	110	75	108	206	90	74	84	62	112	170
9	46	127	110	70	112	184	87	79	80	52	181	150
10	46	364	110	90	115	146	82	87	75	44	121	144
11	57	165	110	90	112	135	81	122	75	54	100	134
12	58	128	107	85	101	136	77	92	70	48	92	132
13	52	120	108	80	101	143	76	80	70	53	92	122
14	61	116	132	150	99	184	75	78	88	48	112	121
15	57	116	136	150	136	190	73	128	109	62	246	113
16	50	436	104	90	151	147	70	105	78	62	138	116
17	55	508	80	80	173	137	78	85	71	100	108	100
18	80	239	75	100	268	133	79	77	68	80	132	95
19	84	252	70	200	194	132	73	124	104	60	161	140
20	89	202	70	340	122	159	72	150	190	50	111	130
21	191	180	80	548	136	233	68	92	98	45	97	100
22	98	170	80	405	125	192	154	80	73	50	91	90
23	80	160	80	285	127	144	140	86	77	303	183	85
24	73	150	80	176	187	128	96	205	98	229	166	83
25	460	140	81	149	259	125	87	329	76	104	110	76
26	192	150	159	122	515	119	83	254	76	81	100	80
27	135	226	118	103	236	123	98	196	78	73	495	85
28	118	154	176	164	178	126	172	140	64	72	300	81
29	108	138	279	237	.....	114	104	124	60	67	406	90
30	102	181	157	185	.....	113	89	114	55	64	272	94
31	121	.....	121	175	.....	115	.....	119	.....	86	313	.....

Daily discharge, in second-feet, of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	86	158	220	150	75	180	170	252	98	140	180	226
2	79	150	600	60	80	160	150	202	96	116	180	202
3	93	894	335	60	90	150	140	191	90	103	160	239
4	313	856	211	70	110	137	137	180	94	102	150	226
5	167	425	221	80	160	138	135	160	160	227	232	191
6	128	338	222	100	138	128	132	160	321	785	335	214
7	110	289	216	110	130	125	126	150	160	280	214	239
8	110	262	896	138	657	123	140	137	126	202	180	191
9	128	249	409	150	325	125	137	140	123	170	160	170
10	174	235	290	148	202	123	132	140	137	160	150	160
11	115	222	296	136	170	123	126	133	111	183	156	150
12	110	212	356	139	150	163	200	137	100	314	140	140
13	550	194	333	135	135	252	187	123	97	239	126	168
14	240	181	423	132	284	280	177	118	124	673	116	214
15	180	178	283	127	847	191	214	114	160	368	113	150
16	161	174	299	119	266	160	150	113	100	239	109	140
17	175	341	323	119	214	150	140	114	91	202	339	140
18	772	1,240	233	120	202	170	132	148	88	180	461	126
19	967	414	201	132	180	160	118	180	104	170	191	140
20	545	325	198	238	170	150	106	180	135	170	150	214
21	432	290	198	90	150	150	108	150	109	160	138	160
22	326	269	195	95	140	140	215	180	160	160	574	132
23	292	249	189	110	674	138	310	133	140	539	472	121
24	267	259	176	120	523	135	406	121	160	226	266	116
25	239	250	150	395	266	150	239	111	132	170	543	111
26	228	216	164	157	202	150	191	114	123	150	475	114
27	218	200	159	120	191	150	191	150	125	170	510	108
28	210	460	154	100	180	128	510	160	111	770	405	100
29	193	280	200	90	170	123	405	123	171	280	325	104
30	176	240	227	85	.....	326	295	109	223	214	295	109
31	172	.....	225	75	.....	241	.....	113	.....	191	266	.....

NOTE.—No gage height record, Mar. 22, 23, 29, 30, Apr. 12, 18-20, 25-27, May 2-4, 9-11, 13, 14, 18, 22-25, 30, 31, June 1, 7-10, 13-15, 18, July 4, 6, 12, 13, 25, 27, 30, Aug. 2, 3, 8-10, 16, 17, 23, 24, 30, 31, Sept. 1, 5-7, 13, 14, 19-21, 27, 28, Oct. 4, 5, 11-13, 18, 19, 25, 26, Nov. 1, 2, 6, 8, 9, 15, 16, 22, 23, 27, 29, 30, Dec. 4-10, 12-14, 1919; Jan. 11, Mar. 20, 21, 27, 28, Apr. 2-4, 7-11, 14-16, 18, 19, 25, May 2, 9, 16, 23, 25-27, 29-31, June 1-6, 13, 16-20, 26, 27, July 3-5, 11, 17, 18, 25, 31, Aug. 1-8, 15, 18, 22, 24, 29, Sept. 4-7, 11, 12, 18, 19, 26, Oct. 3, 7-10, 16, 17, 22, 24, 27, 28, 30, 31, Nov. 3, 7, 10, 14, 16, 20, 21, 23-26, 29, Dec. 1, 5, 12, 16, 18, 19, 22-26, 1920; Jan. 1, 2, 9, 15, 16, 18, Feb. 3-13, 17, 20-23, Mar. 5-8, 13, 20, 27, Apr. 3, 10, 17, 24, 25, May 1, 12, 15, 16, 22, 25, 26, 29, June 5, 9-13, 17, 19, 23, 26, July 3, 4, 10, 17, 19, 24, 31, Aug. 7, 13, 14, 21, 28, Sept. 4, 5, 11, 18, 25, 1921; Mar. 29-31, Apr. 3-12, Aug. 12-18, 20-30, Sept. 16-23, 1922; Apr. 7-13, 1923; May 27-30, June 15, 16, 1924; Feb. 8-13, Apr. 1-3, Nov. 20, 21, 1925; Mar. 20-27, July 25-30, 1926; July 17-22, Sept. 17-23, Nov. 27-30, and Dec. 1, 2, 1927. Stage-discharge relation affected by ice Dec. 16-28, 1919; Jan. 1-8, Jan. 16, to Mar. 15, 1920; Jan. 19-31, Feb. 26-28, Dec. 18, 19, 22-31, 1921; Jan. 1-31, Dec. 20-22, 30, 31, 1922; Jan. 1, Jan. 14, to Mar. 1, 1923; Jan. 7-10, 20-24, 28, 29, Feb. 14, 15, 23-27, Dec. 15, 16, 21-31, 1924; Jan. 1, to Feb. 7, Dec. 28-31, 1925; Jan. 1-4, 10-19, 22, 24-31, Feb. 1, 4-17, Dec. 6-11, 17-24, 1926; Jan. 8-20, 1927; Jan. 1-7, 21-23, 27-31, and Feb. 1-5, 1928. Discharge for these periods determined by graphic study of station records, weather records, and records of nearby streams, especially South Branch of Raritan River at Stanton.

Monthly discharge of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928.

[Drainage area, 65 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1919					
March	685	110	254	3.91	4.51
April	550	112	156	2.40	2.68
May	250	60	125	1.92	2.21
June	152	34	57.4	.883	.99
July	1,650	28	251	3.86	4.45
August	1,060	90	233	3.58	4.13
September	217	50	110	1.69	1.89
1919-1920					
October	275	50	113	1.74	2.01
November	470	108	183	2.82	3.15
December	420	100	176	2.71	3.12
January 1-15	180	70	103	1.58	.88
March 16-31	640	230	434	6.68	3.97
April	560	160	247	3.80	4.24
May	395	104	158	2.43	2.80
June	140	60	97.3	1.50	1.67
July	735	52	156	2.40	2.77
August	550	59	132	2.03	2.34
September	275	41	65.0	1.00	1.12
1920-21					
October	640	40	93.7	1.44	1.66
November	835	31	116	1.78	1.99
December	600	71	168	2.58	2.97
January	700	121	187	2.88	3.32
February	200	100	139	2.14	2.23
March	735	152	285	4.38	5.05
April	480	125	184	2.83	3.16
May	735	72	181	2.78	3.20
June	180	25	47.9	.737	.82
July	139	33	53.7	.826	.95
August	192	25	47.2	.726	.84
September	60	23	33.5	.515	.57
The year	835	23	128	1.97	26.76
1921-22					
October	56	28	38.4	0.591	0.68
November	416	38	69.2	1.06	1.18
December	307	44	72.6	1.12	1.29
January	80	44	58.8	.905	1.04
February	1,410	78	219	3.37	3.51
March	852	122	237	3.65	4.21
April	685	102	201	3.09	3.45
May	482	69	137	2.11	2.43
June	279	53	89.9	1.38	1.54
July	769	67	173	2.66	3.07
August	139	36	61.7	.949	1.09
September	841	46	126	1.94	2.16
The year	1,410	28	123	1.89	25.65
1922-23					
October	103	37	49.9	0.768	0.89
November	60	36	42.6	.655	.73
December	190	39	65.4	1.01	1.16
January	.....	.....	103	1.58	1.82
February	.....	.....	90	1.38	1.44
March	882	147	314	4.83	5.57
April	541	88	186	2.86	3.19
May	203	69	116	1.78	2.05
June	294	44	78.3	1.20	1.34
July	106	33	45.0	.692	.80
August	54	25	33.8	.520	.60
September	115	23	37.1	.571	.64
The year	828	23	96.9	1.49	20.23

Monthly discharge of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923-24					
October	200	25	41.7	.642	.74
November	210	34	52.9	.814	.91
December	316	57	110	1.69	1.95
January	622	.....	172	2.65	3.06
February	230	70	110	1.69	1.82
March	451	74	142	2.18	2.51
April	1,170	97	250	3.85	4.30
May	545	112	216	3.32	3.83
June	172	65	102	1.57	1.75
July	114	37	57.2	.880	1.01
August	122	32	44.5	.685	.79
September	459	29	49.6	.763	.85
The year	1,170	25	112	1.72	23.52
1924-25					
October	403	37	62.8	.966	1.11
November	117	36	46.4	.714	.80
December	166	.....	63.6	.978	1.13
January	.....	.....	40.6	.625	.72
February	.....	.....	301	4.63	4.82
March	501	140	216	3.32	3.83
April	220	78	112	1.72	1.92
May	224	53	90.8	1.40	1.61
June	92	41	53.1	.817	.91
July	166	37	61.0	.938	1.08
August	497	39	85.9	1.32	1.52
September	242	38	61.1	.940	1.05
The year	.....	.....	98.3	1.51	20.50
1925-26					
October	320	41	78.2	1.20	1.38
November	492	74	138	2.12	2.36
December	407	.....	153	2.35	2.71
January	.....	.....	99.4	1.53	1.76
February	702	.....	174	2.68	2.79
March	549	97	173	2.66	3.07
April	227	74	107	1.65	1.84
May	77	40	57.8	.889	1.02
June	105	39	53.8	.828	.92
July	178	35	53.5	.823	.95
August	217	34	68.2	1.05	1.21
September	250	45	74.0	1.14	1.27
The year	702	34	102	1.57	21.28
1926-27					
October	460	46	92.2	1.42	1.64
November	508	85	175	2.69	3.00
December	279	70	114	1.75	2.02
January	548	70	158	2.43	2.80
February	515	90	160	2.46	2.56
March	233	113	144	2.22	2.56
April	172	68	95.1	1.46	1.63
May	329	74	116	1.78	2.05
June	190	55	87.7	1.35	1.51
July	303	44	75.5	1.16	1.34
August	495	91	178	2.74	3.16
September	344	76	140	2.15	2.40
The year	548	44	128	1.97	26.67

Monthly discharge of South Branch of Raritan River near High Bridge, for the years ending September 30, 1919-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1927-28					
October	967	79	257	3.95	4.55
November	1,240	150	335	5.15	5.75
December	896	150	277	4.26	4.91
January	395	60	126	1.94	2.24
February	847	75	244	3.75	4.04
March	326	123	162	2.49	2.87
April	510	106	194	2.98	3.32
May	252	109	146	2.25	2.59
June	321	88	132	2.03	2.26
July	785	102	260	4.00	4.61
August	574	109	262	4.03	4.65
September	239	100	160	2.46	2.74
The year	1,240	60	213	3.28	44.53

South Branch of Raritan River at Stanton.

LOCATION.—At highway bridge near Lehigh Valley Railroad station in Stanton, Hunterdon County, one-half mile above mouth of Prescott Brook and 5 miles below mouth of Cakepoulin Creek.

DRAINAGE AREA.—147 square miles.

RECORDS AVAILABLE.—July 2, 1903, to December 31, 1906; and from July 1, 1919, to September 30, 1928. Records to March, 1904, gage heights only.

EQUIPMENT.—To August 17, 1925, chain gage on downstream side of bridge near left end; after that date, water-stage recorder on right bank, 5 feet below bridge.

CHANNEL AND CONTROL.—Channel, bed and banks, gravel. River overflows banks at high stages. Control is slight riffle about 100 feet below bridge.

EXTREMES OF DISCHARGE.—1903-1906 and 1919-1928: Maximum stage recorded, 10.5 feet October 9, 1903 (discharge, not determined); minimum stage from water-stage recorder, 1.76 feet at 9:00 A. M. October 1, 1925 (discharge, about 21 second-feet).

REGULATION.—Distribution of flow affected by small water-powers at points upstream.

Daily discharge, in second-feet, of South Branch of Raritan River at Stanton, for the years ending September 30, 1919-1928.

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1919				1919				1919			
1	75	805	292	11	89	292	200	21	2,180	495	83
2	75	398	354	12	83	271	292	22	2,460	376	121
3	68	333	545	13	85	292	239	23	3,390	333	750
4	62	312	422	14	75	1,970	201	24	1,380	333	224
5	55	292	267	15	83	695	209	25	970	376	201
6	860	520	231	16	98	970	143	26	750	292	187
7	209	860	216	17	104	570	137	27	805	292	174
8	106	445	216	18	143	915	114	28	695	255	146
9	73	312	216	19	860	645	102	29	495	247	146
10	62	292	180	20	915	520	89	30	422	224	137
								31	422	333	

Daily discharge, in second-feet, of South Branch of Raritan River at Stanton, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-20												
1	137	216	645	216	.....	.....	520	312	121	570	445	114
2	201	354	470	247	.....	.....	750	292	126	445	255	116
3	201	292	312	209	.....	.....	620	271	121	805	201	126
4	128	251	212	200	.....	.....	445	255	118	247	157	118
5	167	805	243	190	.....	.....	1,260	243	545	131	137	118
6	154	333	224	190	.....	.....	750	239	333	116	177	120
7	126	292	520	190	.....	.....	595	239	201	102	251	354
8	121	263	398	360	.....	.....	520	216	146	157	167	194
9	143	231	670	600	.....	.....	470	312	126	140	131	104
10	98	227	915	400	.....	.....	470	239	111	106	146	354
11	102	227	495	.....	.....	.....	495	247	114	104	247	187
12	167	354	595	.....	.....	.....	470	247	118	333	239	137
13	243	1,080	470	.....	.....	.....	860	292	126	595	1,620	114
14	209	495	570	.....	.....	.....	595	292	140	167	398	83
15	570	445	445	.....	.....	805	398	292	118	205	333	83
16	292	376	320	.....	.....	970	292	255	114	148	312	98
17	545	376	260	.....	.....	2,320	750	212	111	148	267	93
18	263	333	220	.....	.....	1,080	570	212	224	154	376	93
19	216	333	180	.....	.....	860	354	205	187	292	376	98
20	216	251	170	.....	.....	670	312	201	148	224	292	128
21	174	239	170	.....	.....	722	970	194	111	187	271	76
22	174	251	180	.....	.....	805	595	695	121	140	251	68
23	187	255	180	.....	.....	915	545	271	121	1,080	212	62
24	239	271	200	.....	.....	915	470	227	89	722	177	71
25	209	271	292	.....	.....	860	354	212	154	570	177	71
26	224	376	354	.....	.....	750	354	180	98	333	154	70
27	251	595	292	.....	.....	805	376	131	82	227	126	73
28	255	354	271	.....	.....	722	445	128	85	194	121	83
29	212	292	292	.....	.....	620	376	121	78	170	148	82
30	209	750	292	.....	.....	570	333	121	91	170	191	495
31	157	.....	259	.....	.....	520	.....	118	.....	292	187	.....
1920-21												
1	1,020	121	970	280	251	1,260	645	354	104	198	58	61
2	312	111	670	292	239	1,020	445	312	126	148	108	54
3	187	271	422	312	231	1,140	354	267	126	108	140	54
4	177	131	354	312	216	860	312	292	134	80	184	54
5	170	121	1,020	292	216	520	292	1,080	111	98	78	46
6	177	116	495	271	354	520	292	570	126	85	64	51
7	167	137	445	239	292	595	292	460	111	76	73	70
8	154	126	354	209	216	520	292	354	128	58	470	48
9	121	116	354	200	227	595	470	354	126	65	163	45
10	102	102	333	200	231	1,200	333	333	118	64	83	48
11	118	93	333	209	445	620	292	292	96	148	76	46
12	111	85	312	209	312	545	247	292	80	91	89	46
13	126	65	292	143	227	750	239	970	76	78	100	47
14	102	96	860	320	267	545	224	422	71	60	68	43
15	93	128	600	1,320	231	495	263	312	96	220	64	38
16	82	98	445	570	224	445	271	292	80	201	68	31
17	53	970	422	470	227	422	271	292	108	100	75	47
18	167	354	354	216	227	398	354	271	82	96	116	51
19	93	292	312	200	194	333	376	227	75	67	71	55
20	137	247	312	190	143	333	255	209	61	354	91	76
21	89	174	312	190	201	312	251	191	64	114	70	83
22	89	180	312	312	231	292	216	177	67	76	46	118
23	91	750	420	333	209	271	354	177	116	106	51	108
24	57	354	280	292	209	271	695	198	53	64	50	53
25	111	292	260	167	177	860	398	216	89	61	53	48
26	93	271	245	150	160	422	312	263	35	64	53	85
27	98	231	240	150	150	333	292	167	55	83	48	80
28	267	209	360	140	137	333	259	157	55	80	50	53
29	137	216	292	140	.....	445	255	174	61	68	51	51
30	116	216	271	191	.....	312	312	167	312	61	54	58
31	120	.....	280	445	.....	292	.....	146	.....	60	64	.....

Daily discharge, in second-feet, of South Branch of Raritan River at Stanton, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	47	60	174	75	170	191	1,080	151	93	970	216	470
2	42	68	157	65	2,800	220	545	148	85	860	187	126
3	75	89	670	65	860	205	376	154	312	800	174	98
4	70	78	151	70	292	231	445	224	470	915	231	750
5	60	41	209	85	201	595	398	860	212	860	191	1,020
6	50	28	163	110	251	398	354	354	239	520	106	251
7	53	61	151	85	247	545	398	280	177	398	89	187
8	36	50	134	65	216	1,440	376	220	131	376	93	167
9	60	51	131	75	167	570	354	209	106	333	85	131
10	67	62	121	85	134	620	312	216	96	292	75	121
11	57	60	102	90	114	595	267	151	98	271	78	116
12	57	54	131	80	151	595	312	157	106	205	76	131
13	55	62	114	65	231	470	251	148	104	805	80	104
14	54	55	111	60	198	445	239	148	108	422	106	131
15	50	68	65	60	160	422	1,140	157	93	247	116	73
16	36	31	104	55	170	398	398	154	76	205	89	82
17	48	102	82	55	209	292	376	154	82	187	65	85
18	43	91	110	75	216	247	354	201	87	212	61	96
19	47	62	110	100	190	239	333	595	111	247	65	91
20	67	154	95	120	1,320	970	312	271	114	209	54	73
21	51	137	85	110	470	545	271	167	131	163	83	82
22	43	108	75	110	333	398	243	148	111	163	93	85
23	47	85	60	100	445	354	224	180	108	154	68	73
24	38	61	65	70	520	292	239	143	75	187	68	75
25	41	82	70	60	259	271	220	126	55	160	68	70
26	48	80	65	55	198	239	194	157	85	151	68	70
27	50	76	65	50	376	263	177	157	121	118	82	45
28	44	194	70	50	312	312	170	126	106	148	93	65
29	30	1,140	75	60	.....	271	154	131	108	118	96	71
30	34	312	75	75	.....	231	143	93	70	130	80	61
31	38	.....	75	100	.....	333	.....	93	.....	137	71	.....
1922-23												
1	55	78	67	970		500	239	267	87	41	51	
2	60	73	73	470		600	263	251	100	47	54	
3	64	83	68	271		1,200	243	224	82	54	43	
4	51	96	121	201		1,030	292	255	224	55	61	
5	89	89	93	174		1,030	595	187	124	209	50	
6	70	70	71	116		595	1,090	163	137	80	43	
7	73	60	102	143		422	545	187	292	53	40	
8	85	78	87	137		312	398	160	231	51	41	
9	85	73	78	194		267	398	263	209	45	40	
10	108	52	65	170		271	312	224	160	43	36	
11	143	82	96	184		271	271	167	106	98	34	
12	143	50	60	157		1,350	271	180	95	71	33	
13	82	78	131			970	251	259	90	41	106	
14	60	98	111		190	860	224	180	90	41	60	
15	60	111	75			722	243	157	126	33	38	
16	68	73	114			2,890	224	154	68	36	38	50
17	87	73	70			1,630	227	200	68	52	33	
18	89	60	104			860	187	255	68	41	35	
19	78	60	121			695	209	191	80	31		
20	98	82	104			570	167	146	57	31		
21	65	93	98	180		620	187	167	75	35	35	
22	60	60	118			545	170	259	60	33		
23	62	70	116			570	151	148	71	39		
24	118	76	111			670	131	143	57	78		
25	85	67	121			445	151	137	71	93		
26	89	41	111			422	146	126	68	50	29	
27	82	40	131		260	376	126	121	60	51	43	
28	62	42	292		400	312	131	98	53	48	43	
29	45	60	194		.....	231	1,030	91	41	50	50	
30	71	50	148		.....	333	398	91	43	68	85	
31	93	.....	160		.....	271	.....	96	.....	50	62	.....

Daily discharge, in second-feet, of South Branch of Raritan River at Stanton, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1		148	445	376	333	177	227	695	260	124	45	53
2		96	231	292	231	160	220	398	247	126	40	89
3		93	224	1,210	220	235	333	354	243	111	50	70
4	46	80	201	645	259	722	470	312	255	93	52	47
5		89	376	445	231	750	495	312	247	75	61	54
6		89	915	312	695	1,560	970	292	224	85	48	53
7	55	174	445	360	398	645	2,890	292	312	121	78	61
8	51	163	398	320	271	422	1,150	292	280	124	116	68
9	52	100	312	280	205	422	860	1,770	247	312	55	52
10	55	96	255	263	220	398	722	670	205	201	53	58
11	47	90	271	645	231	470	595	545	191	121	62	46
12	43	83	422	545	201	570	495	1,630	212	118	292	48
13	38	60	470	376	184	376	470	1,210	292	120	271	36
14	40	78	235	312	180	333	422	860	333	143	89	35
15	40	85	198	263	180	255	376	915	280	126	78	53
16	38	80	180	271	187	231	354	695	231	106	80	47
17	39	68	157	1,560	209	243	333	595	154	104	53	47
18	30	60	174	620	184	220	915	495	148	89	54	45
19	38	73	134	440	259	231	970	645	167	102	71	45
20	51	83	143	360	595	247	645	495	201	93	55	41
21	34	83	140	320	495	216	545	545	174	76	78	37
22	45	62	267	300	376	205	545	545	174	87	54	58
23	53	126	1,490	280	263	191	495	398	134	111	39	146
24	750	312	695	320	220	224	398	376	111	100	68	75
25	354	201	376	1,210	224	198	354	360	98	83	51	43
26	151	121	333	645	194	212	333	354	422	60	53	55
27	102	128	292	360	251	227	320	312	271	53	47	36
28	91	116	495	300	259	333	312	376	247	67	54	40
29	87	93	376	300	220	354	354	354	247	54	34	75
30	104	445	292	376	.....	292	422	376	194	67	46	1,630
31	170	.....	376	422	.....	259	.....	292	.....	70	50	.....
1924-25												
1	1,030	62	131	70	95	860	333	235	116	93	1,100	68
2	495	57	137	60	120	915	354	187	93	76	340	66
3	201	70	106	80	110	545	354	160	102	62	235	63
4	209	61	78	120	100	545	312	151	118	67	187	73
5	190	61	137	90	110	545	292	134	75	76	292	64
6	174	60	495	75	120	595	271	121	70	83	194	61
7	180	54	280	55	120	670	251	116	70	71	180	208
8	140	48	209	60	150	545	247	100	58	80	212	135
9	104	50	333	60	220	545	243	146	67	73	440	81
10	93	76	177	70	600	520	251	146	75	65	700	74
11	80	64	154	70	1,800	545	312	354	70	75	312	73
12	68	73	131	75	2,800	545	267	312	60	64	227	60
13	70	65	146	80	1,300	470	235	187	57	54	231	88
14	70	65	131	60	1,100	398	205	154	64	57	220	158
15	71	62	76	60	1,770	520	545	151	64	51	187	108
16	80	54	85	60	1,210	354	398	146	78	52	150	340
17	68	62	98	110	970	422	312	146	96	255	102	1,000
18	60	75	96	80	750	495	292	140	54	111	126	285
19	65	91	89	75	645	1,850	292	124	53	65	96	187
20	78	68	82	85	670	695	292	111	58	65	107	151
21	70	60	76	95	750	570	267	102	54	68	120	149
22	64	130	71	110	1,490	445	259	100	50	76	109	122
23	65	320	76	100	1,090	445	231	85	50	78	89	104
24	62	128	89	70	1,090	422	180	177	64	82	89	104
25	61	104	106	85	860	398	163	495	82	76	88	97
26	60	71	76	75	1,350	376	160	201	73	143	83	90
27	78	76	68	65	620	398	177	170	61	292	81	83
28	70	75	68	65	595	595	163	137	64	106	71	84
29	64	98	68	75	.....	495	174	154	111	320	67	84
30	67	85	68	75	.....	376	212	177	157	111	68	74
31	64	.....	68	120	.....	354	.....	177	.....	700	63	.....

Daily discharge, in second-feet, of South Branch of Raritan River at Stanton, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	76	204	225	220	180	398	261	132	100	52	103	99
2	77	206	261	220	130	590	215	128	184	50	89	191
3	151	196	865	239	100	390	202	124	124	47	78	269
4	125	180	1,080	228	100	277	236	122	110	51	68	151
5	200	164	665	220	110	261	213	117	84	53	56	156
6	144	218	715	190	120	261	189	107	82	60	55	517
7	117	206	520	171	120	1,420	190	112	84	76	47	412
8	107	214	430	167	110	1,330	347	107	119	67	56	230
9	108	260	410	150	110	378	442	99	98	52	50	204
10	141	199	350	140	100	287	272	99	82	47	57	218
11	118	174	331	130	100	252	232	95	72	64	46	168
12	99	203	331	130	100	229	219	95	70	60	525	148
13	101	1,390	312	120	100	209	201	87	75	58	804	148
14	100	498	277	110	100	196	195	112	75	47	340	132
15	250	350	261	100	240	196	185	122	147	52	260	120
16	163	677	245	100	500	183	177	108	136	84	300	121
17	176	410	245	100	240	172	170	112	88	66	1,000	120
18	146	331	231	200	600	174	154	96	79	56	460	111
19	141	312	220	700	1,500	182	160	107	73	105	240	111
20	124	294	212	277	800	203	147	106	64	85	190	107
21	117	277	245	242	500	239	146	98	65	66	163	106
22	112	261	277	220	360	223	140	87	59	56	176	100
23	116	245	239	190	280	234	139	88	75	44	171	104
24	125	231	208	170	217	261	140	88	92	94	181	104
25	1,060	217	191	150	1,540	231	186	86	80	326	205	103
26	622	214	201	140	1,910	239	168	80	87	142	194	118
27	370	316	199	130	651	239	145	76	80	86	156	99
28	261	370	190	130	390	225	137	80	92	68	139	113
29	228	245	190	130	.....	193	155	73	57	71	122	155
30	212	217	200	160	.....	185	140	63	55	221	116	135
31	223	.....	220	200	.....	209	.....	86	.....	110	110	.....
1926-27												
1	118	331	364	289	289	345	190	145	192	97	690	800
2	106	239	307	257	289	307	205	159	184	91	795	700
3	98	214	251	254	307	271	211	148	154	87	257	500
4	96	198	264	338	345	254	202	154	168	83	190	380
5	93	182	227	345	247	251	187	161	294	93	161	340
6	163	180	200	289	211	227	199	156	227	91	144	320
7	142	172	200	201	215	261	202	158	180	79	132	300
8	110	172	220	190	221	345	158	112	151	95	205	260
9	100	329	240	190	215	364	161	135	147	74	345	220
10	93	1,000	240	180	221	289	140	163	135	74	181	199
11	93	370	240	180	218	257	150	222	116	74	142	193
12	106	294	220	170	205	254	144	174	125	85	130	181
13	98	261	227	170	181	261	132	153	130	74	205	169
14	106	261	289	300	196	345	130	128	167	73	254	169
15	101	245	307	300	396	364	124	186	193	83	364	161
16	96	780	237	190	346	289	130	192	140	99	193	147
17	116	1,070	200	170	326	264	124	144	113	167	155	142
18	128	520	180	190	650	254	140	133	104	140	169	142
19	160	542	170	400	360	251	130	150	199	104	199	215
20	216	430	170	700	260	289	127	268	545	87	153	190
21	372	370	190	1,300	250	434	127	165	234	79	130	155
22	183	350	190	1,000	251	384	302	117	167	73	124	127
23	156	770	190	516	264	289	271	130	153	615	224	130
24	141	294	190	423	458	257	184	282	178	483	221	113
25	1,150	277	190	345	648	240	161	616	140	175	134	115
26	410	277	706	289	1,440	224	158	403	132	120	117	117
27	277	430	326	202	545	221	180	405	144	106	910	108
28	239	277	815	326	404	234	327	275	110	101	503	108
29	217	261	896	460	.....	218	203	232	110	95	615	108
30	205	382	434	443	.....	196	179	210	101	81	503	106
31	284	.....	326	384	.....	218	.....	203	.....	110	690	.....

Daily discharge, in second-feet, of South Branch of Raritan River at Stanton, for the years ending September 30, 1919-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	98	282	346	380	200	367	307	483	169	234	268	364
2	95	271	564	200	200	329	271	423	150	190	268	326
3	103	1,960	678	200	220	306	254	384	150	169	231	384
4	427	1,970	431	200	220	263	247	345	167	169	211	423
5	192	887	585	220	439	279	237	326	268	345	289	307
6	133	708	525	240	339	270	227	326	595	1,370	483	364
7	119	588	526	240	297	219	211	289	326	483	345	423
8	109	525	2,380	240	1,990	218	254	261	237	364	264	307
9	160	494	928	260	775	201	231	271	326	307	224	264
10	197	459	665	273	462	218	205	268	364	271	199	240
11	142	428	664	250	370	218	190	247	254	289	215	224
12	117	399	753	252	317	347	307	254	218	526	251	211
13	1,120	364	730	250	291	443	307	221	190	483	178	208
14	404	345	929	253	595	548	264	224	211	1,570	155	345
15	265	327	607	238	2,070	384	326	205	404	795	144	221
16	216	322	691	222	559	307	237	190	202	503	140	202
17	219	723	722	217	450	289	221	193	172	423	670	205
18	2,050	2,440	507	221	448	364	215	257	167	364	745	187
19	2,480	798	511	258	362	326	202	345	224	326	345	218
20	1,200	618	526	510	362	307	190	307	261	307	247	364
21	900	541	413	262	326	289	175	268	208	289	211	247
22	659	519	406	240	301	271	404	326	307	271	845	193
23	556	472	380	240	1,770	271	695	240	289	645	845	172
24	497	469	345	256	1,180	244	1,000	208	364	345	463	167
25	437	475	327	769	598	254	526	193	271	264	795	158
26	401	396	320	334	448	264	423	181	254	224	845	158
27	374	386	300	289	433	257	404	268	237	240	745	158
28	354	420	301	259	379	231	1,310	326	208	1,240	670	144
29	330	412	371	240	359	199	795	224	268	463	503	132
30	309	368	438	230	.....	548	548	193	423	326	463	164
31	397	.....	414	220	.....	443	.....	193	.....	268	443	.....

NOTE.—Stage-discharge relation affected by ice Dec. 16-24, 1919; Jan. 4, to Mar. 14, 1920; Jan. 19-21, 26-29, Feb. 26, 27, Dec. 18-31, 1921; Jan. 1, to Feb. 2, 1922; Jan. 18, to Feb. 26, 1923; Jan. 7-9, 19-24, 27-29, Feb. 14, 15, Dec. 15, 16, 22-31, 1924; Jan. 1, to Feb. 14, Dec. 19, 28-31, 1925; Jan. 1, 2, 5, 6, 9-19, 23-31, Feb. 1-23, Dec. 6-12, 17-25, 1926; Jan. 8-22 and 29, Dec. 26, 27, 1927; Jan. 1-9, 22, 23, 29-31, and Feb. 1-4, 1928. No gage height record, Oct. 31, Dec. 15, 23-28, 31, 1920; Jan. 1, 9, 10, 14, May 7, Aug. 28, Sept. 15, Nov. 26, 1921; Feb. 19, May 7, June 26, July 3, 30, Sept. 17, 1922; Apr. 22, May 17, June 10, 12, 13, 14, Aug. 5, 19-25, Sept. 1-30, Oct. 1-6, 14, Nov. 11, Dec. 16, 1923; Mar. 2, Apr. 27, May 25, June 8, 15, July 6, 13, Sept. 28, Oct. 1, 19, 26, Nov. 22, 23, 30, Dec. 7, 14, 18, 21, 1924; Aug. 7, 16, 1925; Aug. 14-20, 1926; Feb. 18-21, and Sept. 1-9, Nov. 30, and Dec. 1, 2, 1927. Discharge for these periods determined by graphic study of discharge measurements, station records, weather records, and records of nearby streams, especially South Branch of Raritan River near High Bridge.

Monthly discharge of South Branch of Raritan River at Stanton, for the years ending September 30, 1904-1907 and 1919-1928.

[Drainage area, 147 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1904					
March	2,490	200	629	4.28	4.93
April	980	159	302	2.05	2.29
May	267	99	143	.973	1.12
June	384	46	113	.769	.86
July	289	49	108	.735	.85
August	397	68	146	.993	1.14
September	2,530	58	263	1.79	2.00
1904-5					
October	1,810	99	308	2.10	2.42
November	260	152	192	1.13	1.46
January 7-17	4,210	349	888	6.04	2.47
March, 8-31	1,632	337	950	6.46	5.77
April	626	162	290	1.97	2.20
May	159	67	114	.776	.89
June	196	47	73.6	.501	.56
July	80	45	60.0	.408	.47
August	307	50	76.6	.521	.60
September	1,345	65	348	2.37	2.64
1905-6					
October	254	84	140	.952	1.10
November	879	55	136	.925	1.03
December	905	84	316	2.15	2.48
January	373	219	274	1.86	2.14
February	1,040	.....	288	1.96	2.04
March	1,510	234	410	2.79	3.22
April	960	207	323	2.20	2.46
May	795	161	245	1.67	1.92
June	645	94	174	1.18	1.32
July	1,190	86	197	1.34	1.54
August	411	86	138	.939	1.08
September	88	38	59.9	.407	.45
The year	1,510	38	225	1.53	20.78
1906					
October	264	38	91.8	.624	.72
November	228	84	119	.810	.90
December	1,310	.....	238	1.62	1.87
1919					
July	3,390	55	585	3.98	4.59
August	1,970	224	492	3.35	3.86
September	750	83	228	1.55	1.73
1919-20					
October	570	98	213	1.45	1.67
November	1,080	216	373	2.54	2.83
December	915	170	359	2.44	2.81
January, 1-10	600	190	280	1.90	.71
March, 15-31	2,320	520	877	5.97	3.77
April	1,260	292	544	3.70	4.13
May	695	118	241	1.64	1.89
June	545	78	146	.993	1.11
July	1,080	102	299	2.03	2.34
August	1,620	121	276	1.88	2.17
September	495	62	133	.905	1.01
1920-21					
October	1,020	53	159	1.08	1.24
November	970	65	222	1.51	1.68
December	1,020	240	417	2.84	3.27
January	1,320	140	289	1.97	2.27
February	445	137	230	1.56	1.62
March	1,260	271	557	3.79	4.37
April	695	216	327	2.22	2.48
May	1,080	146	322	2.19	2.52
June	312	35	98.1	.667	.74
July	354	58	104	.707	.82
August	470	46	91.3	.621	.72
September	118	31	58.3	.397	.44
The year	1,320	31	241	1.64	22.17

Monthly discharge of South Branch of Raritan River at Stanton, for the years ending September 30, 1904-1907 and 1919-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1921-22					
October	75	30	49.6	.337	.39
November	1,140	28	120	.816	.91
December	670	60	125	.850	.98
January	120	50	76.8	.522	.60
February	2,800	114	400	2.72	2.83
March	1,440	191	426	2.90	3.34
April	1,140	143	355	2.41	2.69
May	860	93	209	1.42	1.64
June	470	55	129	.878	.98
July	970	118	354	2.41	2.78
August	231	54	100	.680	.78
September	1,020	45	167	1.14	1.27
The year	2,800	28	208	1.41	19.19
1922-23					
October	143	45	80.0	0.544	0.63
November	111	40	70.6	.480	.54
December	292	60	110	.746	.86
January	.....	116	213	1.45	1.67
February	.....	.....	200	1.36	1.42
March	2,890	231	705	4.80	5.53
April	1,090	126	309	2.10	2.34
May	267	91	179	1.22	1.41
June	292	41	103	.701	.78
July	209	31	56.4	.384	.44
August	106	29	44.9	.205	.35
September	.....	.....	50.0	.340	.38
The year	2,890	29	177	1.20	16.35
1923-24					
October	750	30	91.4	0.622	0.72
November	445	60	119	.810	.90
December	1,490	134	365	2.48	2.86
January	1,560	263	475	3.23	3.72
February	695	180	275	1.87	2.02
March	1,560	160	367	2.50	2.88
April	2,890	220	600	4.08	4.55
May	1,770	292	573	3.90	4.50
June	422	98	227	1.54	1.72
July	312	53	107	.728	.84
August	292	34	73.5	.500	.58
September	1,630	35	108	.735	.82
The year	2,890	30	282	1.92	26.11
1924-25					
October	1,030	60	137	.932	1.07
November	320	48	80.8	.550	.61
December	495	68	129	.878	1.01
January	120	55	78.4	.533	.61
February	2,800	95	807	5.49	5.72
March	1,850	354	563	3.83	4.42
April	545	160	268	1.82	2.03
May	495	85	171	1.16	1.34
June	157	50	75.5	.514	.57
July	700	51	118	.803	.93
August	1,100	63	212	1.44	1.66
September	1000	60	144	.980	1.09
The year	2,800	48	228	1.55	21.06

Monthly discharge of South Branch of Raritan River at Stanton, for the years ending September 30, 1904-1907 and 1919-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1925-26					
October	1,060	76	197	1.34	1.54
November	1,390	164	309	2.10	2.34
December	1,080	190	340	2.31	2.66
January	700	100	186	1.27	1.46
February	1,910	100	404	2.75	2.86
March	1,420	172	325	2.21	2.55
April	442	137	197	1.34	1.50
May	132	63	99.7	.678	.78
June	147	55	89.6	.610	.68
July	326	44	81.2	.552	.64
August	1,000	46	212	1.44	1.66
September	517	99	162	1.10	1.23
The year	1,910	44	216	1.47	19.90
1926-27					
October	1,150	93	193	1.31	1.51
November	1,070	172	383	2.61	2.91
December	896	170	297	2.02	2.33
January	1,300	170	355	2.41	2.78
February	1,440	181	356	2.42	2.52
March	434	196	279	1.90	2.19
April	327	124	176	1.20	1.34
May	616	112	203	1.38	1.59
June	545	101	171	1.16	1.29
July	615	73	125	.850	.98
August	910	117	298	2.03	2.34
September	800	106	230	1.56	1.74
The year	1,440	73	255	1.73	23.52
1927-28					
October	2,480	95	483	3.29	3.79
November	2,440	271	646	4.39	4.90
December	2,380	300	590	4.01	4.62
January	769	200	273	1.86	2.14
February	2,070	200	578	3.93	4.24
March	548	199	306	2.08	2.40
April	1,310	175	373	2.54	2.83
May	483	181	272	1.85	2.13
June	595	150	263	1.79	2.00
July	1,570	169	454	3.09	3.56
August	845	140	413	2.81	3.24
September	423	132	249	1.69	1.89
The year	2,480	95	408	2.78	37.74

NOTE.—Data for 1904-1906 republished from United States Geological Survey Water-Supply Papers 125, 166, and 202.

Raritan River at Manville.*

LOCATION.—At highway bridge between Manville and Finderne, Somerset County, 1¼ miles above mouth of Millstone River and 4½ miles below confluence of North and South Branches of Raritan River.

DRAINAGE AREA.—490 square miles.

RECORDS AVAILABLE.—June 27, 1903, to March 31, 1907; August 10, 1908, to April 30, 1915; and from August 19, 1921, to September 30, 1928. Record for 1903 and 1908 to 1915 gage heights only, published in Water-Supply Papers 97, 125, and 521 of the United States Geological Survey.

EQUIPMENT.—1903-1915: Chain gage on downstream side of right truss of highway bridge.

1921-August 15, 1923: Chain gage on downstream side of bridge near left end.

August 15, 1923-1928: Water-stage recorder on left bank 5 feet downstream from bridge.

CHANNEL AND CONTROL.—Channel, red sandstone on left side, sand and gravel on right. River overflows right bank at very high stages. Control, for low stages, slight riffle 500 feet below bridge, affected by vegetable growth during summer months; at high stages, the channel is probably the control.

EXTREMES OF DISCHARGE.—1903-1907, 1921-1928: Maximum stage recorded, 15.9 feet October 10, 1903 (discharge, about 25,000 second-feet); minimum stage from water-stage recorder, 3.24 feet at 9:00 P. M. September 19, 1925 (discharge, about 36 second-feet).

DIVERSIONS AND REGULATION.—The Johns-Manville Company diverts about 2 second feet from the river at a point one-fourth mile above the gage. This is not included in the records. Daily distribution of flow affected by water powers at Somerville and other points upstream.

Daily discharge, in second-feet, of Raritan River at Manville, for the years ending September 30, 1921-1928.

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1921			1921			1921		
1		97	11		107	21	164	101
2		114	12		99	22	144	117
3		95	13		124	23	129	142
4		91	14		107	24	122	124
5		95	15		91	25	99	134
6		89	16		107	26	114	101
7		101	17		114	27	105	122
8		99	18	196	103	28	103	112
9		99	19	192	99	29	95	103
10		107	20	158	101	30	129	114
						31	101	

* Records for 1903 to 1907 formerly published as "at Finderne."

Daily discharge, in second-feet, of Raritan River at Manville, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	103	117	542	190	560	1,730	3,440	472	223	2,370	352	1,020
2	105	112	472	190	5,330	1,300	346	409	284	3,360	800	416
3	101	147	2,120	190	3,800	1,540	1,020	394	671	1,080	424	229
4	105	114	1,360	200	1,300	1,480	1,020	506	1,660	4,220	736	860
5	99	167	692	260	1,020	736	1,130	4,470	910	2,840	681	2,370
6	114	170	703	320	1,540	2,680	456	1,600	1,240	1,660	416	671
7	103	99	551	300	1,480	2,840	542	1,080	910	1,130	346	515
8	112	105	506	250	640	7,200	1,300	800	860	910	333	498
9	127	105	506	210	590	2,370	245	736	489	960	294	380
10	91	107	387	240	620	1,920	590	610	440	681	269	304
11	93	119	380	240	440	2,250	660	542	409	580	245	264
12	95	117	380	220	620	2,900	1,240	533	432	515	237	289
13	99	124	409	170	1,600	2,370	1,080	409	321	489	233	279
14	99	117	410	170	1,180	1,860	1,020	515	310	1,600	233	254
15	101	132	416	170	1,180	1,420	2,590	432	274	681	217	233
16	107	139	416	180	767	1,130	1,240	506	254	506	213	237
17	87	161	241	170	481	1,130	1,180	448	304	448	196	206
18	93	185	1,020	150	860	860	1,360	681	373	402	176	192
19	105	206	860	170	640	640	1,240	1,660	359	746	179	199
20	107	229	590	280	4,340	3,710	960	736	327	448	217	179
21	134	310	472	280	3,020	2,840	789	671	346	387	176	173
22	132	259	220	260	1,020	1,420	778	650	321	359	170	173
23	134	229	220	260	590	1,080	1,020	580	346	464	144	179
24	95	225	260	240	1,920	481	1,130	448	250	394	161	167
25	119	182	320	220	1,080	119	610	402	321	746	150	158
26	101	176	240	200	284	233	542	394	321	440	269	161
27	91	289	260	200	2,760	725	472	346	254	359	254	161
28	91	327	220	260	1,920	580	464	333	440	424	196	137
29	95	2,680	220	280	.....	778	416	315	327	416	217	161
30	105	1,300	200	300	.....	746	366	254	279	373	176	150
31	83	.....	190	320	.....	860	.....	250	.....	359	217	.....
1922-23												
1	144	139	147	3,280	456	700	703	960	245	127	97	103
2	167	139	150	2,960	472	1,080	600	860	233	103	105	91
3	150	119	153	960	321	2,760	580	860	225	95	103	69
4	144	167	150	789	703	3,280	481	681	515	210	99	73
5	134	164	185	600		2,800	860	560	359	352	114	73
6	134	164	241	498		2,600	1,730	551	274	241	101	68
7	139	144	210			1,640	1,240	481	284	127	62	69
8	147	142	217		350	1,180	1,180	456	671	119	68	95
9	161	142	206			860	960	424	560	119	61	346
10	179	134	210	310		725	800	570	289	87	73	144
11	189	142	210			789	756	456	294	144	66	112
12	199	139	206			4,220	714	472	279	142	62	105
13	170	114	147		560	3,360	660	630	250	112	82	71
14	155	114	213		1,080	3,710	620	570	229	97	114	74
15	147	139	199			1,860	570	432	221	117	89	84
16	153	134	264			4,110	551	472	221	139	87	73
17	150	139	229	240		11,100	515	590	217	122	74	46
18	147	142	310			3,020	515	464	206	107	64	68
19	132	139	279			2,760	489	464	167	93	78	66
20	129	117	352			1,600	489	472	164	99	114	66
21	132	137	203		340	1,540	448	600	155	99	76	714
22	127	139	274	3,140		910	472	789	134	71	78	333
23	132	122	206	2,760		1,660	402	489	155	203	82	279
24	142	122	206	1,020		2,960	359	424	150	105	76	506
25	144	144	210	1,420		1,300	340	409	153	114	82	229
26	137	142	196	1,080		1,240	340	346	132	122	82	158
27	134	114	199	800		1,130	359	294	132	112	61	134
28	134	161	456			1,130	333	315	144	99	134	127
29	142	137	725	590	.....	1,130	5,840	299	132	237	170	122
30	139	142	340		.....	800	1,660	310	119	179	132	107
31	132	.....	498		.....	800	.....	269	.....	105	114	.....

Daily discharge, in second-feet, of Raritan River at Manville, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	91	333	1,800	1,730	860	860	681	2,250	746	489	199	129
2	80	250	1,080	1,180	746	1,020	650	1,240	692	440	170	134
3	82	213	800	4,730	640	960	860	1,020	630	394	139	264
4	86	189	590	3,470	610	2,070	1,930	960	590	359	137	173
5	71	185	640	1,800	2,370	2,740	2,000	860	570	333	164	119
6	78	185	1,600	793	2,860	4,310	2,870	756	524	327	139	137
7	84	229	1,480	900	1,300	2,650	15,100	703	910	315	173	134
8	73	310	1,130	850	800	1,420	4,560	756	590	910	203	112
9	64	233	960	800	640	960	2,730	3,790	640	1,920	203	155
10	64	217	910	750	610	1,130	2,250	2,740	498	725	170	229
11	69	210	860	2,000	570	2,810	1,800	2,120	432	489	127	164
12	101	196	767	2,120	624	3,140	1,540	6,010	432	380	800	137
13	95	179	650	1,180		1,690	1,300	5,330	551	440	650	142
14	93	170	736	1,020		1,130	1,180	2,018	1,020	481	274	122
15	89	176	660	800		910	1,020	2,720	1,240	346	210	114
16	91	170	610	1,710		714	910	2,120	910	284	182	117
17	84	179	610	7,710		630	860	1,600	570	289	176	124
18	78	179	524	2,410		610	1,930	1,400	402	279	155	109
19	86	176	432	1,730		610	5,690	1,300	1,130	245	155	99
20	119	173	416	1,600	700	570	2,460	1,200	1,300	229	127	99
21	127	164	424	960		570	2,250	1,200	860	229	144	105
22	99	161	456			542	1,800	1,100	524	225	153	114
23	129	182	700			489	1,730	1,000	416	245	132	264
24	1,920	778	1,200			498	1,300	950	373	241	142	196
25	1,080	498	1,300			498	1,130	950	910	217	132	150
26	424	327	1,180	2,200		570	1,020	960	2,250	196	217	112
27	289	294	960			910	910	860	114	182	176	117
28	237	274	1,620		610	1,240	800	1,020	910	185	147	127
29	217	254	1,690		778	1,080	860	960	860	185	129	103
30	206	1,020	1,080		.....	1,080	1,020	1,080	725	176	137	1,800
31	279	.....	2,020		.....	860	.....	860	.....	241	137	.....
1924-25												
1	3,440	137	221			2,630	860	570	269	250	5,500	176
2	910	127	192			4,460	860	533	241	189	1,080	158
3	533	124	185			1,606	860	448	217	170	590	158
4	373	137	185			1,480	714	432	213	158	432	158
5	327	129	189		260	1,240	640	409	199	142	506	176
6	279	132	1,300	320		1,420	570	387	189	142	440	170
7	245	137	725			1,600	524	359	179	139	352	464
8	221	134	456			1,540	498	359	170	129	294	387
9	199	132	960			1,480	472	327	164	127	736	233
10	189	127	600			1,240	456	327	161	217	2,480	192
11	182	132	402		7,500	1,180	610	451	150	310	746	189
12	164	132	346			1,180	533	1,320	144	189	448	185
13	170	132	321			1,020	456	650	142	144	387	189
14	158	134	333		3,350	910	416	464	147	132	416	284
15	158	142	244		3,010	860	1,340	352	137	117	333	284
16	158	142	260	220	4,490	725	1,160	333	155	119	294	1,360
17	153	129	274		3,340	801	714	333	185	650	264	2,680
18	150	124	269		2,590	1,300	610	346	176	294	245	910
19	153	122	254		2,250	4,760	560	310	158	210	245	542
20	158	139	250		2,520	2,310	620	284	144	176	233	394
21	153	150	192		2,740	1,600	515	250	134	173	245	333
22	144	217	340		3,360	1,300	448	241	124	179	279	289
23	142	600	259		3,810	1,080	432	241	124	206	245	250
24	139	359	281		3,610	960	424	297	127	221	229	233
25	137	250	714		2,780	860	432	994	119	213	213	229
26	144	213	550	220	4,340	778	440	599	210	373	213	213
27	139	196	340		2,350	746	432	391	173	960	196	217
28	142	189	280		1,730	1,610	402	333	153	402	192	217
29	142	170	220		.....	1,070	440	333	164	1,130	182	210
30	139	185	220		.....	1,020	456	346	333	366	179	206
31	139	.....	206		.....	960	.....	304	.....	550	173	.....

Daily discharge, in second-feet, of Raritan River at Manville, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	192	590	580	400	900	1,420	1,130	240	192	105	321	233
2	182	533	767	409	668	1,990	800	240	327	103	284	315
3	264	506	2,760	432	464	1,420	703	220	237	112	221	800
4	380	440	4,340	387	284	852	1,020	200	196	107	185	424
5	472	394	2,760	402	434	737	800	200	179	105	167	346
6	440	489	3,140	440	420	630	681	200	155	124	142	3,280
7	289	542	1,990	380	380	4,190	630	220	164	132	137	7,200
8	241	498	1,480	320	360	5,250	1,360	200	182	132	142	1,540
9	237	756	1,300	300	360	1,270	2,100	200	199	129	137	910
10	289	551	1,080	280	340	910	1,240	200	155	124	127	1,020
11	259	472	910	280	340	800	960	213	147	124	124	681
12	233	464	860	260	340	671	800	199	129	122	269	515
13	217	6,400	800	260	380	580	681	203	134	127	2,900	456
14	221	2,250	714	260	440	485	600	254	147	119	1,360	380
15	860	1,300	620	260	1,090	515	560	315	150	117	746	340
16	506	2,760	570	260	2,540	464	481	321	241	139	1,300	327
17	736	1,600	570	280	1,470	432	440	387	196	170	3,900	304
18	533	1,130	515	550	1,020	424	380	269	164	139	1,130	294
19	432	960	542	4,520	5,200	440	346	245	158	182	800	264
20	359	860	524	990	3,750	472	304	254	139	196	590	269
21	310	767	560	737	1,480	590	280	221	129	173	448	250
22	289	714	692	2,480	960	580	260	189	124	134	456	237
23	279	650	650	600	736	650	260	173	155	139	448	229
24	284	570	472	700	610	860	260	170	176	167	551	237
25	4,220	498	472	550	3,330	736	400	161	167	860	960	245
26	3,140	498	481	420	9,000	860	340	150	142	489	736	233
27	1,300	789	300	340	3,000	960	280	147	147	241	524	250
28	910	1,130	320	320	1,400	789	240	147	147	173	472	229
29	756	692	340	360	.....	620	280	150	144	185	366	294
30	620	570	380	460	.....	570	260	147	107	778	315	321
31	610	.....	380	550	.....	692	.....	144	.....	346	269	.....
1926-27												
1	264	1,990	1,600	910	860	1,130	481	432	440	189	3,140	2,370
2	241	1,080	1,130	736	703	960	481	380	366	179	4,340	2,120
3	225	860	800	756	778	736	524	373	315	182	1,180	1,300
4	225	681	800	671	860	746	481	340	310	176	725	1,020
5	213	610	481	1,080	610	714	448	416	630	161	542	860
6	274	524	800	800	506	660	481	394	551	158	440	692
7	366	481	960	498	515	650	498	373	346	158	373	610
8	264	456	692	472	533	860	416	327	299	189	570	551
9	229	533	640	460	481	1,020	373	299	259	179	5,020	498
10	217	3,530	570	460	472	778	373	346	237	167	1,300	456
11	213	1,540	650	460	498	681	333	610	212	153	736	440
12	210	1,080	570	464	464	660	327	472	217	155	551	424
13	203	910	489	489	440	714	304	359	210	153	448	366
14	217	860	725	660	432	860	294	315	237	144	789	359
15	221	756	600	910	1,180	1,020	279	524	366	134	1,480	346
16	213	2,900	500	860	1,360	800	289	515	259	150	714	321
17	213	4,220	460	850	860	703	304	387	213	245	498	304
18	264	1,990	420	900	1,660	660	299	321	189	250	551	294
19	315	1,990	420	1,400	2,120	640	294	310	225	203	671	380
20	387	1,540	420	1,990	960	714	294	542	1,480	179	498	424
21	1,240	1,300	448	5,170	960	1,020	289	416	620	167	416	340
22	551	1,080	440	3,210	860	1,180	960	327	373	161	380	274
23	387	960	515	2,510	910	800	910	299	327	3,210	366	264
24	359	910	440	1,360	2,480	692	600	551	299	3,080	560	250
25	3,280	800	387	1,300	2,680	630	464	3,210	279	714	373	241
26	1,800	767	2,760	860	5,500	570	416	2,120	250	416	304	237
27	1,020	1,600	1,130	524	2,250	570	432	1,600	233	333	2,960	229
28	800	960	3,020	650	1,360	542	910	960	221	299	2,120	221
29	681	1,990	4,740	1,100	.....	506	630	746	199	254	2,480	221
30	590	2,250	1,920	1,420	.....	472	498	590	192	233	1,920	221
31	1,480	.....	1,130	1,240	.....	506	.....	489	.....	352	1,180	.....

Daily discharge, in second-feet, of Raritan River at Manville, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	217	551	910	1,660	500	1,180	1,130	1,660	432	789	590	960
2	210	524	1,760	551	500	1,020	1,020	1,360	402	580	640	860
3	210	4,190	2,660	789	560	960	960	1,180	359	533	533	960
4	1,020	7,460	1,480	671	620	800	800	1,080	359	432	472	1,020
5	551	2,920	3,020	660	1,300	800	746	960	551	568	472	767
6	304	2,250	3,070	681	1,020	681	692	910	3,080	5,370	910	910
7	259	1,730	2,700	703	1,540	671	620	860	1,300	1,950	860	1,420
8	259	1,420	10,200	767	8,680	640	660	756	789	1,180	560	960
9	340	1,300	4,170	660	2,760	640	620	736	960	960	472	800
10	580	1,180	2,360	736	1,540	650	524	756	1,920	800	515	703
11	359	1,080	1,990	610	1,180	650	489	671	778	860	524	630
12	284	1,020	2,250	580	1,100	1,180	692	692	580	1,500	580	590
13	2,840	910	2,260	570	960	1,860	860	590	489	5,650	394	560
14	1,420	800	3,180	560	958	1,920	630	515	481	4,660	327	910
15	767	778	2,150	560	6,410	1,480	910	489	1,420	4,630	304	600
15	610	767	2,150	533	2,390	1,080	620	464	590	1,860	294	542
17	630	1,080	2,650	489	1,540	1,080	524	456	440	1,360	1,300	506
18	7,200	9,360	1,600	498	1,600	1,300	533	600	402	1,080	2,760	498
19	14,800	2,860	1,390	551	1,300	1,480	515	910	498	910	910	533
20	5,840	1,990	1,230	1,990	1,180	1,080	464	800	1,080	910	590	1,420
21	3,210	1,660	1,160	800	1,020	960	440	746	560	778	489	910
22	2,120	1,480	950	860	960	860	1,020	1,300	824	703	2,590	620
23	1,600	1,300	800	860	6,990	860	2,680	725	960	1,300	3,080	524
24	1,360	1,180	650	800	5,170	767	6,400	570	1,460	1,080	1,420	481
25	1,130	1,180	515	2,760	2,370	756	2,590	489	960	692	1,480	432
26	960	960	500	1,080	1,540	778	1,600	472	703	580	2,370	456
27	860	910	550	960	1,480	746	1,300	600	600	560	3,360	416
28	789	1,130	650	714	1,240	660	5,670	746	524	2,660	2,120	402
29	729	1,130	756	550	1,130	600	3,280	580	551	1,560	1,540	373
30	660	1,020	1,180	550	.....	1,920	2,120	489	1,410	800	1,300	448
31	580	.....	1,020	550	.....	1,990	.....	472	.....	640	1,180	.....

NOTE.—Stage-discharge relation affected by ice Dec. 22-31, 1921; Jan. 1-31, 1922; Jan. 7-21, 28-31, Feb. 5-12, 15-28, 1923; Dec. 16, 26-30, 1924; Jan. 1, to Feb. 13, Dec. 27, 1925; Jan. 6-18, 23-28, Feb. 6-8, Dec. 15-20, 1926; Jan. 9-11, 17-19, 28, 29, Dec. 22-24, 26-28, 1927; and Jan. 29 to Feb. 2, 1928. No gage height record Mar. 1, Dec. 5-7, 23, 24, 1923; Jan. 7-10, 22-31, Feb. 13-27, May 17-25, 1924; July 31, Aug. 1, Dec. 28-31, 1925; Jan. 1, 29-31, Feb. 1, 9-13, 1926. Stage-discharge relation affected by grass in channel and on control Oct. 1, to Dec. 9, 1923; July 9, to Nov. 22, 1924; June 1, to Dec. 26, 1925; Feb. 26-28, Apr. 16, to Dec. 31, 1926; Jan. 1-31, and Apr. 18, to Sept. 30, 1927. Discharge for these periods determined by graphic study of gage height record, discharge measurements, weather records, and records of nearby streams, especially the other streams in Raritan River Basin.

Monthly discharge of Raritan River at Manville, for the years ending September 30, 1904-1907 and 1921-1928.

[Drainage area, 490 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1904					
March	9,515	695	1,580	3.22	3.71
April	4,819	393	1,081	2.21	2.47
May	1,178	171	460	.939	1.08
June	654	116	296	.604	.67
July	1,460	134	343	.700	.81
August	3,878	318	856	1.75	2.02
September	16,060	171	1,043	2.13	2.38

Monthly discharge of Raritan River at Manville, for the years ending September 30, 1904-1907 and 1921-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1904-5					
October	5,353	272	920	1.88	2.17
November	4,221	301	723	1.48	1.65
December	5,178	284	886	1.81	2.09
January 1-25	14,580	447	1,722	3.51	3.27
March 16-31	6,280	1,159	2,682	5.47	3.25
April	2,525	393	772	1.58	1.76
May	629	180	293	.598	.689
June	407	123	201	.410	.457
July	596	90	153	.312	.360
August	7,130	133	513	1.05	1.21
September	5,353	180	1,024	2.09	2.33
1905-6					
October	1,236	265	420	0.857	0.988
November	2,729	122	364	.743	.829
December	4,335	380	914	1.87	2.16
January	5,930	497	1,150	2.35	2.71
February	4,650	330	843	1.72	1.79
March	10,500	380	1,490	3.04	3.50
April	8,550	476	1,490	3.04	3.39
May	3,540	235	616	1.26	1.45
June	1,210	189	449	.916	1.02
July	4,840	189	673	1.37	1.58
August	1,460	180	407	.831	.96
September	765	133	207	.422	.47
The year	10,500	122	753	1.54	20.85
1906-7					
October	4,200	160	521	1.06	1.22
November	1,510	235	461	.491	1.05
December	2,370	112	673	1.37	1.58
January	6,000	.....	1,380	2.82	3.25
February	.....	.....	300	.612	.64
March	9,770	.....	2,020	4.12	4.75
1921					
August, 18-31	196	95	132	0.269	0.14
September	142	89	107	.218	.24
1921-22					
October	134	83	104	0.212	0.24
November	2,680	89	292	.596	.66
December	2,120	190	509	1.04	1.20
January	320	150	229	.466	.54
February	5,330	284	1,490	3.04	3.17
March	7,200	119	1,680	3.43	3.95
April	3,440	245	975	1.99	2.22
May	4,470	250	716	1.46	1.68
June	1,660	223	476	.971	1.08
July	4,220	359	979	2.00	2.31
August	800	144	288	.588	.68
September	2,370	137	374	.763	.85
The year	7,200	83	670	1.37	18.58
1922-23					
October	199	127	147	0.300	0.35
November	167	114	138	.282	.31
December	725	147	251	.512	.59
January	3,280	240	831	1.70	1.96
February	1,080	321	398	.812	.85
March	11,100	700	2,220	4.53	5.22
April	5,840	333	852	1.74	1.94
May	960	269	515	1.05	1.21
June	671	119	244	.498	.56
July	352	71	132	.269	.31
August	170	61	90.3	.784	.21
September	714	46	153	.312	.35
The year	11,100	46	500	1.02	13.86

Monthly discharge of Raritan River at Manville, for the years ending September 30, 1904-1907 and 1921-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923-24					
October	1,920	64	216	0.441	0.51
November	1,020	161	270	.551	.62
December	2,020	416	964	1.97	2.27
January	.....	.....	2,010	4.10	4.73
February	.....	.....	842	1.72	1.86
March	4,310	489	1,270	2.59	2.99
April	15,100	650	2,170	4.43	4.94
May	6,010	703	1,700	3.47	4.00
June	2,250	373	764	1.56	1.74
July	1,920	176	387	.790	.91
August	800	127	200	.408	.47
September	1,800	99	197	.402	.45
The year	15,100	64	916	1.87	25.49
1924-25					
October	3,440	137	319	0.651	0.75
November	600	122	172	.351	.39
December	1,300	185	373	.761	.88
January	.....	.....	252	.514	.59
February	.....	.....	2,810	5.73	5.97
March	4,760	725	1,480	3.02	3.48
April	1,340	402	596	1.22	1.36
May	1,320	241	430	.878	1.01
June	333	119	173	.353	.39
July	1,130	117	283	.578	.67
August	5,500	173	592	1.21	1.40
September	2,680	158	390	.796	.89
The year	.....	117	641	1.31	17.78
1925-26					
October	4,220	182	647	1.32	1.52
November	6,400	394	1,010	2.06	2.30
December	4,340	300	1,030	2.10	2.42
January	4,520	260	619	1.26	1.45
February	9,000	284	1,490	3.04	3.17
March	5,250	424	1,030	2.10	2.42
April	2,100	260	629	1.28	1.43
May	387	144	212	.433	.50
June	327	107	168	.343	.38
July	860	103	203	.414	.48
August	3,900	124	662	1.35	1.56
September	7,200	229	747	1.52	1.70
The year	9,000	103	698	1.42	19.33
1926-27					
October	3,280	203	554	1.13	1.30
November	4,220	456	1,370	2.80	3.12
December	4,740	387	989	2.02	2.33
January	3,210	460	1,130	2.31	2.66
February	5,500	432	1,190	2.43	2.53
March	1,180	472	748	1.53	1.76
April	960	279	456	.931	1.04
May	3,210	299	624	1.27	1.46
June	1,480	189	345	.704	.79
July	3,210	134	410	.837	.96
August	5,020	366	1,210	2.47	2.85
September	2,370	221	554	1.13	1.26
The year	5,500	134	797	1.63	22.06

Monthly discharge of Raritan River at Manville, for the years ending September 30, 1904-1907 and 1921-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1927-28					
October	14,800	210	1,700	3.47	4.00
November	9,360	524	1,870	3.82	4.26
December	10,200	500	2,000	4.08	4.70
January	2,760	489	816	1.67	1.92
February	8,680	500	2,050	4.18	4.51
March	1,990	600	1,030	2.10	2.42
April	6,400	440	1,370	2.80	3.12
May	1,660	456	762	1.56	1.80
June	3,080	359	849	1.73	1.93
July	5,650	432	1,550	3.16	3.64
August	3,360	294	1,130	2.31	2.66
September	1,420	373	707	1.44	1.61
The year	14,800	210	1,320	2.69	36.57

NOTE.—Data for 1903-1907 republished from United States Geological Survey Water-Supply Papers 125, 166, 202, and 241; records were published as "at Finderne."

North Branch of Raritan River Near Far Hills.

LOCATION.—At dam of the Somerset Lake and Game Club, 2 miles north of Far Hills, Somerset County, and 2 miles upstream from mouth of Peapack Brook.

DRAINAGE AREA.—26 square miles.

RECORDS AVAILABLE.—February 15, 1922, to September 30, 1928.

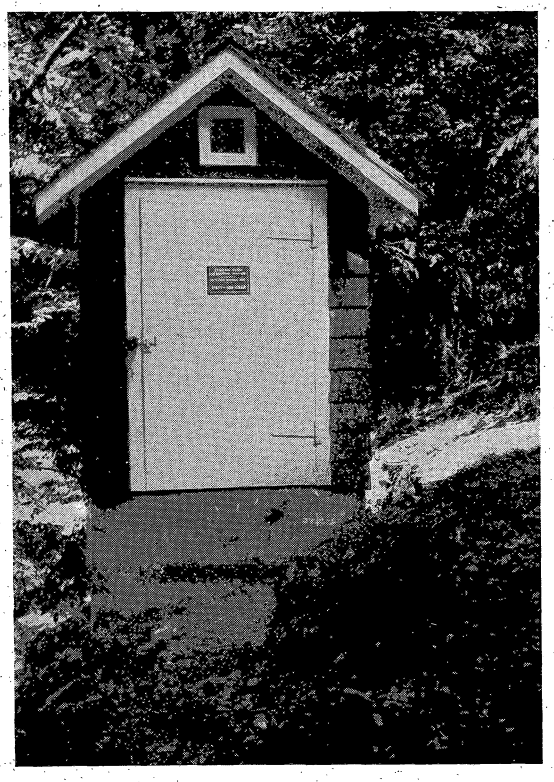
EQUIPMENT.—To June 18, 1925, hook gage in stilling box at left end of dam. Since June 18, 1925, water-stage recorder on left bank 75 feet above dam.

CONTROL.—Masonry dam with flat crest having low water notch 26 feet long with crest at elevation of gage height 1.696 feet. Remainder of spillway 137 feet long with crest at elevation of gage height 2.204 feet.

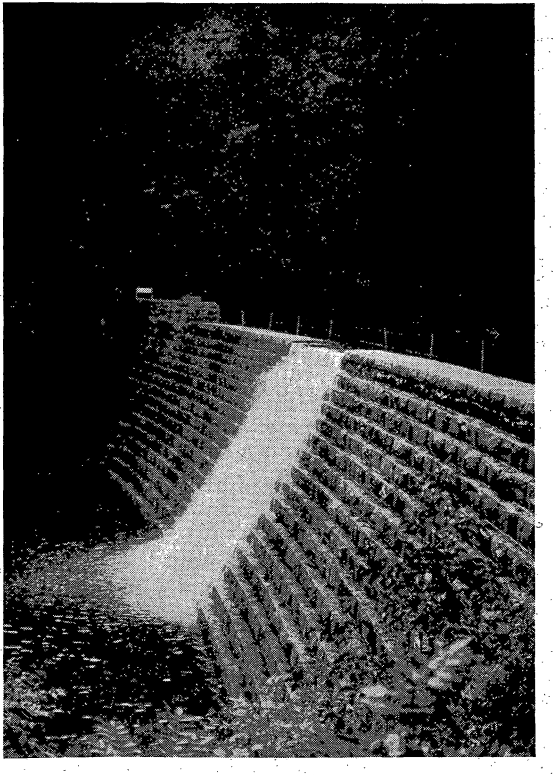
EXTREMES OF DISCHARGE.—1922-1928: Maximum stage estimated from hydrograph, 5.1 feet at midnight March 7, 1922 (discharge, not determined); minimum stage recorded, 1.79 feet at 9:30 A. M. August 27, 1923 (discharge, 4 second-feet).

DIVERSIONS.—Small turbine takes water from the pond above the dam for operation of a pump. This turbine is operating continuously and uses about 2 second-feet. The diversion is included in the following tables of daily and monthly discharge.

CO-OPERATION.—Shelter built on property of Somerset Lake and Game Club, F. S. Tainter, engineer.



(a) *Shelter for automatic water-stage recorder.*



(b) *Dam forming control.*

Gaging station on North Branch of Raritan River near Far Hills.

Daily discharge, in second-feet, of North Branch of Raritan River near Far Hills, for the years ending September 30, 1922-1928.

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922								
1	.....	38	237	77	25	845	34	45
2	.....	38	94	60	28	124	40	28
3	.....	38	84	34	104	167	114	25
4	.....	43	104	63	94	156	56	94
5	.....	145	89	375	84	189	49	94
6	.....	47	70	70	84	94	30	56
7	.....	466	70	56	49	77	28	52
8	.....	980	70	41	43	66	34	45
9	.....	80	66	43	41	77	25	41
10	.....	80	66	41	45	60	23	41
11	.....	114	52	38	49	56	23	36
12	.....	84	74	36	41	49	22	45
13	.....	74	49	36	32	52	23	34
14	.....	70	47	60	49	77	22	30
15	27	70	201	47	29	56	21	28
16	25	60	94	38	29	45	20	27
17	15	49	84	34	30	38	19	24
18	22	49	74	89	41	56	17	23
19	22	49	77	114	34	56	17	22
20	237	375	63	56	28	38	27	23
21	77	94	56	41	38	36	21	23
22	52	77	63	41	34	34	17	19
23	66	70	63	38	27	38	16	15
24	70	63	49	34	25	38	16	17
25	41	63	56	32	23	60	19	19
26	38	66	40	30	26	40	47	19
27	99	66	34	28	27	34	26	19
28	52	99	38	28	41	34	24	19
29	.....	63	36	27	27	36	21	19
30	.....	63	36	26	24	30	19	19
31	.....	80	.....	25	.....	25	156	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	17	15	12	403	28	32	41	56	19	12	12	7
2	17	10	12	63	30	43	56	49	19	11	11	7
3	17	12	12	41	34	201	56	45	26	15	11	6
4	17	25	12	36	28	237	63	45	38	30	10	6
5	17	16	30	34	30	145	150	43	25	16	11	6
6	17	16	19	28	19	70	156	38	21	15	10	6
7	18	17	15	25	27	70	124	38	84	14	10	5
8	23	16	15	22	22	43	84	38	94	12	10	17
9	23	15	22	27	25	56	70	41	34	11	9	27
10	28	12	15	26	25	63	66	38	27	11	8	11
11	27	13	15	23	23	63	63	38	22	11	8	8
12	19	14	15	22	22	178	63	40	22	11	8	8
13	17	13	12	16	40	150	49	49	20	10	12	8
14	17	12	11	15	45	167	60	38	20	10	9	7
15	17	14	10	26	24	109	49	34	26	16	7	6
16	17	14	11	23	24	427	47	36	20	27	5	6
17	16	14	23	17	22	276	45	63	19	19	5	6
18	16	12	16	16	19	178	45	34	16	15	5	6
19	15	13	12	22	19	184	43	30	16	11	5	7
20	15	12	9	17	23	140	45	27	16	10	5	7
21	15	13	14	43	23	114	41	47	16	9	5	27
22	15	12	14	167	22	114	40	30	14	10	6	20
23	14	12	14	49	20	124	36	27	13	11	5	22
24	18	12	12	32	20	134	36	27	14	10	5	26
25	17	12	12	45	24	104	36	27	14	23	5	12
26	17	11	15	28	23	104	34	27	15	14	5	11
27	16	11	17	30	28	104	34	23	14	11	5	10
28	16	11	109	29	49	89	38	22	13	11	8	10
29	17	11	27	28	.....	74	237	21	13	14	17	9
30	16	11	23	32	.....	74	70	20	12	12	11	9
31	15	.....	19	30	.....	70	.....	19	.....	12	8	.....

Daily discharge, in second-feet, of North Branch of Raritan River near Far Hills, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	7.6	18	49	55	49	40	62	126	49	24	15	15
2	6.7	13	30	34	45	49	71	78	47	24	15	20
3	6.3	14	25	224	45	41	59	68	45	22	15	19
4	6.3	11	21	75	45	75	106	65	45	22	15	15
5	6.3	12	43	59	122	106	93	55	45	21	15	15
6	6.3	11	131	27	85	208	106	55	41	21	19	15
7	5.8	19	45	40	65	75	436	52	45	20	16	15
8	6.3	18	38	38	55	62	208	65	45	34	16	15
9	6.3	14	38	38	45	62	177	269	45	59	15	29
10	6.3	12	36	38	49	55	149	122	38	30	15	28
11	6.7	11	34	131	49	167	126	114	38	25	15	16
12	7.1	11	27	65	47	75	106	299	41	22	17	15
13	7.6	11	26	49	49	62	97	203	41	27	19	15
14	7.6	11	28	45	38	52	85	158	49	24	15	15
15	7.6	11	23	38	41	45	81	167	40	20	15	15
16	8.0	11	23	75	45	52	81	126	34	18	15	15
17	8.0	11	24	154	38	47	75	110	30	18	15	15
18	8.5	10	22	93	43	47	158	97	30	18	15	15
19	8.9	10	20	81	36	45	198	118	30	16	15	15
20	12	8.9	21	78	102	43	140	97	29	16	15	15
21	9.5	10	22	68	97	49	131	114	28	16	15	15
22	10	10	24	62	49	41	140	89	28	16	15	15
23	11	13	136	62	41	45	131	81	25	19	15	41
24	122	34	55	59	36	43	97	81	25	16	15	16
25	38	21	41	167	34	43	81	81	47	16	15	15
26	23	15	38	75	38	78	71	68	41	16	16	15
27	18	14	36	62	38	49	68	65	38	15	15	15
28	16	14	41	52	45	71	62	89	34	15	15	15
29	16	13	47	62	45	71	68	75	36	15	15	15
30	15	38	38	62	.....	62	75	75	28	15	15	330
31	22	.....	38	62	.....	59	.....	55	.....	15	15	.....
1924-25												
1	75	12	15	12	12	102	62	43	24	27	244	16
2	30	12	14	12	12	140	62	41	23	21	81	15
3	25	12	12	12	12	97	59	36	22	17	71	15
4	25	12	12	12	12	102	52	32	21	15	55	18
5	22	12	12	12	12	102	49	30	19	18	52	18
6	19	12	106	12	12	106	49	30	18	17	49	16
7	19	12	40	12	12	93	47	30	17	14	47	63
8	21	12	28	12	12	89	41	29	17	14	45	28
9	19	12	59	12	16	89	41	28	18	17	49	20
10	18	12	27	12	21	81	41	28	18	20	78	18
11	17	12	25	12		78	62	65	17	19	43	18
12	16	12	21	12		89	43	62	16	14	29	17
13	16	12	23	15		81	38	43	16	13	32	18
14	15	12	22	15	170	81	38	32	16	12	36	28
15	15	12	19	12		65	97	30	16	11	28	21
16	15	12	18	12		59	62	28	45	67	26	68
17	15	12	18	16	110	75	45	41	21	118	24	76
18	15	12	21	16	97	81	45	30	18	28	24	32
19	15	12	21	16	97	349	57	28	16	21	24	25
20	15	12	21	16	93	106	43	25	15	18	23	21
21	15	12	16	16	93	89	41	25	16	18	24	19
22	12	28	12	16	131	89	41	24	15	28	26	18
23	12	41	12	16	140	75	40	23	14	30	24	16
24	12	23	19	12	136	75	40	27	13	20	20	17
25	12	18	21	12	136	71	40	62	18	19	20	16
26	12	14	18	12	349	68	40	38	21	47	19	15
27	12	12	16	12	122	65	36	30	16	45	18	15
28	12	12	15	12	102	106	34	28	15	28	17	16
29	12	14	14	12	.....	68	36	26	53	28	16	15
30	12	15	12	12	.....	81	38	34	59	18	16	14
31	12	.....	12	12	.....	68	.....	27	.....	89	16	.....

Daily discharge, in second-feet, of North Branch of Raritan River near Far Hills, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	14	38	52	32	75	84	68	30	21	11	14	9.5
2	14	38	55	34	40	138	49	29	26	10	13	38
3	28	32	118	34	34	86	49	30	27	9.5	12	39
4	26	30	182	34	29	59	61	28	22	9.5	11	20
5	38	34	110	40	40	55	55	28	18	8.9	8.9	26
6		55	144	41	36	56	52	28	18	13	8.9	105
7		43	89	36	36	316	49	28	19	15	8.5	101
8	22	45	78	30	34	196	110	27	29	12	8.5	40
9		59	75	30	30	75	97	25	22	10	7.6	34
10		36	68	30	34	62	68	25	18	9.5	7.6	43
11	24	28	65	27	30		59	25	16	12	7.6	29
12	21	29	68	30	30	46	52	24	16	10	11	26
13	18	246	65	24	34		49	24	20	8.9	45	24
14	17	68	59	25	53	39	49	45	20	8 5	24	19
15	62	75	55	25	188		43	38	40	9.5	36	18
16	32	136	55	25	89	42	41	30	27	13	41	16
17	38	62	52	25	45		40	36	20	13	82	16
18	30	55	49	293	46		38	27	18	14	30	16
19	25	55	47	166	284		36	24	16	47	25	16
20	25	52	47	59	114	52	34	29	14	23	18	16
21	20	49	52	57	65	55	34	24	14	14	16	14
22	18	47	65	94	55	52	38	22	14	10	18	14
23	20	43	49	41	55	55	41	21	16	9.5	20	14
24	21	41	45	43	49	55	36	20	21	16	18	16
25	183	41	43	38	237	52	47	19	16	88	18	17
26	71	40	40	36	310	55	38	18	14	23	19	16
27	47	85	25	38	121	55	34	17	14	14	16	16
28	41	68	31	28	71	49	36	18	13	12	16	16
29	34	45	36	20	.....	45	38	18	12	11	15	22
30	34	41	34	28	.....	43	34	16	11	21	12	22
31	36	.....	32	44	.....	55	.....	18	.....	16	10	.....
1926-27												
1	18	62	75	52	52	65	41	28	52	23	81	102
2	18	41	52	45	55	59	47	28	49	21	85	97
3	17	36	47	47	59	49	49	28	47	20	45	68
4	17	32	55	49	65	45	43	29	49	18	36	55
5	16	29	38	55	45	47	40	40	65	17	29	52
6	23	29	43	47	45	49	43	32	49	17	32	49
7	25	28	49	40	43	55	36	28	43	24	29	49
8	19	34	52	30	45	97	34	26	41	43	38	47
9	17	63	49	32	45	68	36	28	38	23	75	45
10	17	141	49	30	43	62	30	36	36	18	38	45
11	21	55	47	28	43	55	28	49	41	18	30	45
12	20	52	45	28	41	52	28	34	36	19	28	40
13	18	52	45	27	41	55	28	29	28	18	27	38
14	18	52	59	65	40	65	28	28	39	16	50	32
15	18	49	62	46	91	68	27	74	43	16	80	30
16	18	234	40	26	65	62	27	49	32	23	36	28
17	21	160	35	26	72	55	28	40	28	34	30	28
18	28	114	29	34	112	55	28	36	26	24	41	28
19	28	139	28	60	75	55	27	61	40	19	43	43
20	32	97	36	106	49	65	27	55	68	18	34	38
21	56	80	43	264	49	106	24	40	40	16	30	29
22	28	75	41	187	45	75	65	36	30	16	29	27
23	22	71	36	107	47	55	45	40	30	340	32	25
24	22	68	30	75	95	49	34	101	34	135	29	24
25	155	62	38	62	132	47	29	158	28	49	26	24
26	49	65	111	49	275	45	28	137	28	41	25	24
27	38	111	52	40	89	47	39	110	28	36	154	23
28	32	59	161	38	75	47	58	81	24	34	75	22
29	29	55	164	81	.....	47	36	71	22	29	131	24
30	28	89	76	84	.....	45	32	65	21	27	78	24
31	58	.....	59	71	.....	47	.....	62	.....	40	62	.....

Daily discharge, in second-feet, of North Branch of Raritan River near Far Hills, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	22	68	68	114	52	75	71	136	30	45	62	89
2	21	65	118	45	52	68	65	122	28	38	62	81
3	21	410	110	45	52	62	62	110	27	32	55	106
4	117	339	78	41	49	59	62	93	28	28	49	85
5	34	187	106	45	75	55	62	78	45	304	45	71
6	27	154	97	49	45	49	65	71	105	623	129	97
7	24	131	93	52	67	49	68	68	45	187	68	89
8	24	126	385	52	355	49	75	62	38	140	55	68
9	29	126	149	55	106	49	59	65	49	114	49	59
10	40	122	118	52	75	52	55	62	49	102	45	55
11	27	114	122	49	68	47	55	62	43	142	55	52
12	24	106	140	47	59	85	97	55	41	141	45	49
13	144	97	131	49	52	128	75	49	41	140	40	85
14	55	93	177	47	78	110	75	47	102	265	38	80
15	30	97	126	45	323	75	78	47	107	158	38	49
16	30	89	154	43	93	62	59	47	41	122	36	49
17	100	235	140	45	78	62	55	49	34	110	218	47
18	300	1,130	102	45	81	75	52	71	30	89	117	43
19	293	177	89	62	75	68	45	75	40	78	62	65
20	149	122	85	106	65	62	43	65	43	75	49	118
21	114	106	85	38	55	59	52	55	36	68	47	59
22	89	97	85	38	55	59	122	47	59	90	215	49
23	81	122	81	43	431	59	143	41	47	228	119	45
24	75	198	68	41	167	55	250	36	96	81	89	43
25	71	144	62	235	114	65	122	34	49	75	122	43
26	68	89	62	59	81	71	102	36	41	71	207	43
27	68	93	59	49	81	68	111	45	36	68	261	41
28	68	102	59	45	78	55	334	41	32	223	154	40
29	71	97	81	45	71	62	192	36	61	75	126	40
30	65	75	89	41	.....	172	149	32	68	62	114	45
31	68	.....	93	52	.....	97	.....	34	.....	55	102	.....

NOTE.—No gage height record Feb. 11-16, July, July 31, Aug. 1, Oct. 6-10, 1925; Mar. 11-13, 15-19, 1926; Jan. 17-19, and 28, 1927; discharge for these periods determined by graphic study of gage heights and records of nearby streams.

Monthly discharge of North Branch of Raritan River near Far Hills, for the years ending September 30, 1922-1928.

[Drainage area, 26 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922					
February, 15-28	237	15	60.2	2.32	1.21
March	980	38	121	4.65	5.36
April	237	34	74.5	2.87	3.20
May	375	25	56.7	2.18	2.51
June	104	23	41.4	1.59	1.77
July	845	25	89.8	3.45	3.98
August	156	16	33.1	1.27	1.46
September	94	15	33.4	1.28	1.43
1922-23					
October	28	15	17.6	0.677	0.78
November	25	11	13.4	.515	.57
December	109	9	18.5	.712	.82
January	403	15	45.6	1.75	2.02
February	49	19	26.4	1.02	1.06
March	427	32	127	4.88	5.63
April	237	34	65.9	2.53	2.82
May	63	19	35.8	1.38	1.59
June	94	12	24.1	.927	1.03
July	30	9	13.7	.527	.61
August	17	5	8.1	.312	.36
September	27	5	10.8	.415	.46
The year	427	5	34.0	1.31	17.75

Monthly discharge of North Branch of Raritan River near Far Hills, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923-24					
October	122	5.8	14.4	0.554	0.64
November	38	8.9	14.3	.550	.61
December	136	20	39.4	1.52	1.75
January	224	27	71.9	2.77	3.19
February	122	34	52.3	2.01	2.17
March	208	41	65.1	2.50	2.88
April	436	59	118	4.54	5.06
May	299	52	107	4.12	4.75
June	49	25	37.9	1.46	1.63
July	59	15	21.1	.812	.94
August	19	15	15.4	.592	.68
September	330	15	27.6	1.06	1.18
The year	436	5.8	48.7	1.87	25.48
1924-25					
October	75	12	18.1	.696	.80
November	41	12	14.3	.550	.61
December	106	12	22.6	.869	1.00
January	16	12	13.1	.504	.58
February	.....	12	98.5	3.79	3.95
March	349	59	94.2	3.62	4.17
April	97	34	47.0	1.81	2.02
May	65	23	34.0	1.31	1.51
June	59	13	21.1	.812	.91
July	118	11	28.1	1.08	1.24
August	244	16	41.2	1.58	1.82
September	76	14	23.7	.912	1.02
The year	.....	11	37.6	1.45	19.63
1925-26					
October	188	14	33.9	1.30	1.50
November	246	28	57.2	2.20	2.46
December	182	25	64.0	2.46	2.84
January	293	20	48.6	1.87	2.16
February	310	29	80.9	3.11	3.24
March	316	39	68.9	2.65	3.06
April	110	34	49.2	1.89	2.11
May	45	16	25.5	.981	1.13
June	40	11	19.1	.735	.82
July	88	8.5	16.2	.623	.72
August	82	7.6	19.3	.742	.86
September	105	9.5	27.3	1.05	1.17
The year	316	7.6	42.2	1.62	22.07
1926-27					
October	155	16	29.9	1.15	1.33
November	234	28	74.5	2.87	3.20
December	164	28	56.3	2.17	2.50
January	264	26	62.3	2.40	2.77
February	275	40	69.0	2.65	2.76
March	106	45	57.8	2.22	2.56
April	65	24	35.5	1.37	1.53
May	158	26	53.5	2.06	2.38
June	68	21	38.0	1.46	1.63
July	340	16	38.5	1.48	1.71
August	154	25	50.3	1.93	2.22
September	102	22	40.2	1.55	1.73
The year	340	16	50.3	1.93	26.32
1927-28					
October	300	21	75.8	2.92	3.37
November	1,130	65	170	6.54	7.30
December	384	59	110	4.23	4.88
January	235	38	57.2	2.20	2.54
February	431	45	105	4.04	4.36
March	172	47	69.8	2.68	3.09
April	334	43	95.2	3.66	4.08
May	136	32	60.3	2.32	2.68
June	107	27	49.7	1.91	2.13
July	623	28	130	5.00	5.76
August	261	36	92.7	3.57	4.12
September	118	40	62.8	2.42	2.70
The year	1,130	21	90.0	3.46	47.01

North Branch of Raritan River at Milltown.

LOCATION.—At Milltown, Somerset County, 1½ miles above junction of North and South Branches of Raritan River.

DRAINAGE AREA.—190 square miles.

RECORDS AVAILABLE.—June 14, 1923, to September 30, 1928.

EQUIPMENT.—Inclined staff gage on right bank 300 feet above highway bridge at Milltown.

CHANNEL AND CONTROL.—Channel, clay and fine gravel. Control is remains of foundation of an old dam.

EXTREMES OF DISCHARGE.—1922-1928: Maximum stage, 10.0 feet (from hydrograph) at 9:00 P. M. November 3, 1927 (discharge, not determined); minimum stage recorded, 1.95 feet at 9:00 A. M. December 2, 1924 (discharge, about 22 second-feet).

REGULATION.—Slight diurnal fluctuations due to small water powers upstream.

Daily discharge, in second-feet, of North Branch of Raritan River at Milltown, for the years ending September 30, 1923-1928.

Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.
1923					1923				
1	.....	44	44	37	16	79	190	36	36
2	.....	47	44	40	17	69	63	37	35
3	.....	46	46	37	18	69	50	35	36
4	.....	153	44	34	19	63	44	32	32
5	.....	195	43	34	20	63	42	44	35
6	.....	72	47	34	21	50	44	30	180
7	.....	49	42	33	22	50	40	33	125
8	.....	60	39	44	23	49	56	34	63
9	.....	50	40	170	24	56	44	33	185
10	.....	52	33	69	25	52	85	28	112
11	.....	67	36	50	26	46	69	30	85
12	.....	56	30	50	27	49	44	33	79
13	.....	46	79	52	28	49	46	34	65
14	95	44	43	44	29	50	63	102	60
15	102	44	40	42	30	46	60	79	47
					31	.....	46	52	.....

Daily discharge, in second-feet, of North Branch of Raritan River at Milltown, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	50	145	845	445	323	237	249	845	278	175	60	43
2	52	115	515	255	255	356	272	445	272	166	58	47
3	42	90	226	3,580	226	278	249	376	255	145	50	115
4	44	85	200	710	220	670	845	362	297	136	56	52
5	50	77	755	550	480	670	515	316	226	132	50	47
6	43	77	1,290	515	670	1,140	890	297	185	132	58	65
7	36	132	590	349	310	515	5,570	278	410	115	61	52
8	42	121	329	278	220	336	1,290	284	272	200	98	47
9	37	102	266	266	200	266	1,040	2,280	284	410	79	58
10	44	82	284	255	200	291	845	755	237	190	82	105
11	40	77	266	845	220	1,290	630	755	278	153	79	69
12	42	77	249	755	220	890	550	3,580	304	128	410	52
13	36	63	232	376	200	445	515	1,290	291	162	166	60
14	44	61	237	304	200	255	445	940	383	132	102	47
15	46	58	243	278	160	237	403	1,040	284	112	82	50
16	47	58	210	266	140	249	369	710	243	105	77	46
17	52	65	166	1,400	130	266	356	670	190	102	69	44
18	46	61	149	990	118	243	940	550	175	90	72	49
19	50	60	136	590	115	255	1,510	670	170	82	60	44
20	85	58	125	550	220	200	845	515	170	77	56	43
21	61	60	141	316	710	190	800	515	166	79	56	42
22	58	61	261	300	291	170	710	515	145	77	56	46
23	58	56	2,280	280	162	180	590	410	125	95	43	323
24	1,090	69	670	630	125	205	480	369	118	82	58	90
25	323	136	480	2,000	115	162	445	480	396	74	60	67
26	195	115	356	550	136	255	410	369	445	69	82	60
27	145	115	304	340	145	342	369	342	297	67	72	56
28	128	121	710	280	180	362	342	515	297	58	49	58
29	125	121	410	280	215	329	356	369	376	58	44	56
30	102	755	237	340	.....	316	356	403	237	56	47	1,190
31	329	.....	396	380	.....	261	.....	310	.....	63	46	.....
1924-25												
1	845	61	56	56	110	630	349	205	105	112	3,060	69
2	342	61	44	52	120	890	356	180	98	115	550	54
3	284	60	52	47	120	445	356	153	92	95	410	50
4	272	56	69	95	120	550	310	153	79	65	329	67
5	210	58	77	112	100	515	336	162	72	77	316	50
6	170	63	755	95	120	630	232	128	69	69	342	50
7	149	63	166	87	130	630	226	128	65	61	272	210
8	136	60	190	82	140	590	205	121	65	46	162	132
9	105	67	480	69	190	550	180	118	65	58	215	102
10	95	61	157	67	400	480	175	118	72	85	590	90
11	82	61	157	74		445	232	180	65	121	261	108
12	82	61	145	67		480	220	329	60	61	226	77
13	77	65	153	72		376	205	220	56	54	175	90
14	72	60	145	63	2,300	376	190	180	60	44	180	170
15	74	60	65	60		342	590	166	61	47	157	108
16	72	60	95	65		297	396	149	136	46	136	990
17	72	34	118	118		323	284	149	102	180	128	940
18	67	37	118	149	845	480	249	128	69	136	121	278
19	69	35	108	100	890	4,520	232	125	77	105	115	210
20	69	49	98	100	845	800	180	108	58	108	108	170
21	63	47	58	100	800	590	195	105	56	92	115	149
22	58	85	67	90	1,290	515	200	95	58	95	115	118
23	58	215	56	90	1,400	445	190	92	54	136	98	102
24	63	125	69	90	1,400	390	185	128	47	87	92	102
25	61	121	284	110	1,040	383	166	376	58	92	87	92
26	61	108	87	100	3,760	336	175	215	90	291	85	79
27	61	79	95	110	1,190	310	145	185	67	445	79	79
28	60	69	61	120	590	670	145	145	61	162	69	87
29	61	72	58	110	.....	356	157	128	118	445	69	82
30	63	56	60	120	.....	480	162	141	261	180	67	79
31	60	.....	65	120	.....	383	.....	115	.....	149	69	.....

Daily discharge, in second-feet, of North Branch of Raritan River at Milltown, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	74	255	291	130	515	515	403	121	65	44	79	54
2	74	220	369	130	237	800	243	108	118	47	74	102
3	95	210	1,510	150	180	410	226	95	98	42	49	243
4	121	141	1,290	190	157	362	369	92	74	34	44	128
5	396	95	845	210		261	249	82	61	30	39	112
6	69	136	990	210		291	226	79	60	39	36	349
7	28	108	630	185		2,740	232	79	61	58	39	755
8	102	162	550	95		890	890	85	95	44	36	410
9	108	304	515			410	630	77	77	35	34	297
10	162	210	445		160	369	396	74	63	32	32	383
11	95	205	369			304	323	74	47	39	42	220
12	95	180	390	90		261	278	69	47	42	278	170
13	102	3,400	369			272	255	65	58	33	670	136
14	79	590	316			255	232	136	58	28	445	102
15	550	445	304			226	232	118	67	35	304	98
16	200	1,400	284		1,400	170	180	121	102	50	376	90
17	349	755	272	95	480	149	170	153	72	39	845	102
18	185	445	291	291	445	162	145	115	69	39	369	79
19	157	396	272	710		175	162	90	61	136	266	79
20	145	369	243	356		195	145	79	52	54	180	69
21	128	329	278	316		220	132	82	47	54	136	65
22	115	297	390	800	1,500	210	121	79	47	46	153	65
23	125	278	266	278		278	118	69	63	36	157	69
24	115	243	291	310		304	121	65	87	90	145	74
25	3,760	226	220			291	170	61	61	670	232	74
				240								
26	1,240	232	232			297	136	54	47	128	215	69
27	550	515	85		755	329	121	56	56	79	136	67
28	220	445	108	79	261	266	112	58	54	65	102	69
29	210	310	130	79	.....	210	136	58	47	67	87	102
30	237	261	140	210	.....	200	118	52	47	310	79	102
31	266	.....	140	232	.....	255	.....	61	.....	79	63	.....
1926-27												
1	90	445	480	319	285	380	167	162	230	90	1,190	670
2	69	297	410	262	268	325	190	134	181	79	850	580
3	74	255	255	349	273	230	199	119	162	96	331	386
4	69	220	291	251	313	331	162	123	162	72	220	319
5	72	243	255	319	251	325	167	190	361	70	194	262
6	102	170	240	257	246	241	209	145	225	65	162	251
7	102	149	240	200	199	241	220	138	181	72	145	246
8	79	153	260	150	190	349	153	112	162	130	398	199
9	74	170	284	120	181	319	145	112	142	79	1,240	171
10	65	1,240	304	110	190	290	142	142	130	70	296	162
11	67	396	266	110	194	251	130	296	115	58	209	158
12	65	278	272	110	162	251	130	153	123	70	181	145
13	65	278	272	100	162	268	119	142	103	67	153	138
14	69	249	278	100	171	319	119	123	130	60	307	153
15	65	243	316	200	625	331	115	392	190	65	580	134
16	63	2,000	162	120	337	307	109	162	130	62	190	119
17	69	940	162	120	285	251	123	190	115	171	162	115
18	102	670	153	200	331	257	115	158	106	130	230	112
19	128	755	141	367	500	251	112	153	115	84	220	130
20	115	515	170	715	251	307	115	262	465	84	185	185
21	383	410	220	2,530	285	398	96	167	153	79	145	138
22	166	369	226	2,100	296	392	540	153	158	72	145	138
23	145	329	170	580	285	290	268	134	158	1,830	153	123
24	128	304	157	540	940	262	209	392	145	1,040	153	96
25	1,240	266	220	430	1,090	241	162	2,680	119	319	115	109
26	342	272	1,580	361	1,700	209	145	760	123	220	96	90
27	249	630	895	296	540	273	153	715	112	190	1,700	87
28	249	304	1,460	343	411	268	331	465	96	171	540	90
29	232	297	1,350	940	.....	194	220	355	87	130	895	106
30	200	1,090	540	319	.....	220	171	301	84	119	625	93
31	445	.....	424	361	.....	241	.....	251	.....	241	405	.....

Daily discharge, in second-feet, of North Branch of Raritan River at Milltown, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	90	241	386	670	110	405	367	570	142	262	273	411
2	82	230	895	380	100	331	325	500	142	209	279	307
3	84	3,690	760	280	100	301	380	430	123	190	220	465
4	760	1,960	500	260	100	235	296	380	126	167	220	349
5	153	895	1,460	280	200	262	268	343	241	392	199	307
6	138	760	760	280	119	209	262	331	1,300	3,340	417	405
7	119	670	625	280	230	209	262	301	625	625	307	500
8	130	540	4,250	280	6,580	194	268	268	301	465	241	290
9	190	500	1,090	280	1,350	209	220	273	262	411	220	307
10	220	430	805	260	500	241	204	273	500	355	540	273
11	138	380	715	262	417	199	209	251	230	367	273	262
12	123	380	850	251	349	465	301	273	194	670	268	251
13	1,300	343	760	246	319	500	331	220	167	990	190	220
14	343	319	1,190	251	355	625	296	204	153	1,700	167	367
15	241	307	715	241	1,350	430	301	190	251	1,040	153	241
16	209	307	715	209	670	367	235	190	199	670	142	235
17	204	1,350	850	220	500	361	209	171	167	540	1,190	220
18	3,690	3,170	540	230	580	580	215	241	138	465	1,040	209
19	6,800	940	540	209	331	430	194	296	194	392	355	230
20	1,140	805	540	715	465	367	142	262	331	361	296	760
21	895	715	430	307	715	331	167	241	241	313	268	290
22	670	625	424	260	417	285	670	367	580	262	1,190	241
23	540	540	392	240	5,270	307	715	257	417	625	1,040	220
24	465	540	355	340	1,190	285	1,960	209	895	307	540	209
25	405	540	257	1,460	670	296	805	171	355	307	670	199
26	355	430	260	700	580	290	625	134	251	307	715	215
27	331	430	280	355	540	285	465	171	126	290	1,350	181
28	307	540	300	180	405	235	2,240	171	171	940	805	181
29	285	500	331	140	392	215	940	142	225	367	670	167
30	262	411	405	130	.....	1,090	670	171	500	296	540	215
31	251	.....	411	120	.....	580	.....	171	.....	273	500	.....

NOTE.—Stage-discharge relation affected by ice Jan. 22, 23, 27-31, Feb. 8-17, 1924; Jan. 19, to Feb. 17, Dec. 29-31, 1925; Jan. 1-3, 9-16, 25-27, Feb. 5-15, 19-26, Dec. 6-8, 1926; Jan. 7-18, Dec. 26-28, 1927; Jan. 1-10, 22-24, 28-31, and Feb. 1-5, 1928; discharge for these periods determined by graphic study of gage height records, observer's notes, weather records, and records of nearby streams, especially North Branch of Raritan River at Far Hills.

Monthly discharge of North Branch of Raritan River at Milltown, for the years ending September 30, 1923-1928.

[Drainage area, 190 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923					
June 14-30	102	46	61.0	0.321	0.20
July	195	40	64.9	.342	.39
August	102	28	42.6	.224	.26
September	185	32	64.8	.341	.38
1923-24					
October	1,090	36	114	0.600	0.69
November	755	56	109	.574	.64
December	2,280	125	437	2.30	2.65
January	3,580	255	621	3.27	3.77
February	710	115	238	1.25	1.35
March	1,290	162	383	2.02	2.33
April	5,570	249	773	4.07	4.54
May	3,580	278	695	3.66	4.22
June	445	118	260	1.37	1.53
July	410	56	120	.632	.73
August	410	43	78.6	.414	.48
September	1,190	42	104	.547	.61
The year	5,570	36	328	1.73	23.54

Monthly discharge of North Branch of Raritan River at Milltown, for the years ending September 30, 1923-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1924-25					
October	845	58	129	.679	.78
November	215	34	70.3	.370	.41
December	755	44	136	.716	.83
January	149	47	90.0	.474	.55
February	.....	100	1,130	5.95	6.20
March	4,520	310	620	3.26	3.76
April	590	145	241	1.27	1.42
May	376	92	159	.837	.96
June	261	47	79.8	.420	.47
July	445	44	124	.653	.75
August	3,060	67	284	1.49	1.72
September	990	50	166	.874	.98
The year	.....	34	264	1.39	18.83
1925-26					
October	3,760	28	327	1.72	1.98
November	3,400	95	439	2.31	2.58
December	1,510	85	414	2.18	2.51
January	800	.....	210	1.11	1.28
February	.....	.....	650	3.42	3.56
March	2,740	149	390	2.05	2.36
April	890	112	242	1.27	1.42
May	153	52	84.1	.443	.51
June	118	47	65.4	.344	.38
July	670	28	81.4	.428	.49
August	845	32	185	.974	1.12
September	755	54	158	.832	.93
The year	.....	28	268	1.41	19.12
1926-27					
October	1,240	63	174	.916	1.06
November	2,000	149	465	2.45	2.73
December	1,580	141	402	2.12	2.44
January	2,530	100	428	2.25	2.59
February	1,700	162	391	2.06	2.14
March	398	194	284	1.49	1.72
April	540	96	175	.921	1.03
May	2,680	112	316	1.66	1.91
June	465	84	159	.837	.93
July	1,830	58	196	1.03	1.19
August	1,700	96	400	2.11	2.43
September	670	87	190	1.00	1.12
The year	2,680	58	298	1.57	21.29
1927-28					
October	6,800	82	675	3.55	4.09
November	3,690	230	783	4.12	4.60
December	4,250	260	735	3.87	4.46
January	1,460	120	333	1.75	2.02
February	6,580	100	859	4.52	4.88
March	1,090	194	359	1.89	2.18
April	2,240	142	485	2.55	2.84
May	580	134	264	1.39	1.60
June	1,300	123	318	1.67	1.86
July	3,340	167	577	3.04	3.50
August	1,350	142	493	2.59	2.99
September	760	167	291	1.53	1.71
The year	6,800	82	513	2.70	36.73

Black River Near Pottersville.

LOCATION.—One mile above highway bridge and former gaging station at Pottersville, Somerset County, and 8 miles above mouth of Rockaway Creek.

DRAINAGE AREA.—33 square miles.

RECORDS AVAILABLE.—June 27, 1922, to September 30, 1928, and at Pottersville one mile downstream, November 8, 1921, to June 30, 1922.

EQUIPMENT.—Water-stage recorder on right bank one mile above the bridge at Pottersville. Chain gage on downstream side of highway bridge at Pottersville used November 8, 1921, to June 30, 1922.

CHANNEL AND CONTROL.—Channel, gravel and boulders, very rough. Control is riffle of boulders just below gage; probably permanent.

EXTREMES OF DISCHARGE.—1921-1928: Maximum stage from water-stage recorder, 4.75 feet at 9:00 P. M. November 17, 1927 (discharge, about 1,600 second-feet); minimum stage recorded, 0.79 foot at 6:00 A. M. August 4, 1924 (discharge, 4 second-feet).

REGULATION.—Daily fluctuations occasionally caused by operations at small mills upstream.

Daily discharge, in second-feet, of Black River near Pottersville, for the years ending September 30, 1922-1928.

Day	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
9121-22											
1	.....	96	30	54	90	159	45	32	158	67	73
2	.....	90	28	315	67	97	44	48	147	67	57
3	.....	127	26	128	67	97	48	163	183	46	54
4	.....	119	37	83	64	94	96	144	170	60	158
5	.....	99	69	99	144	105	174	132	160	78	116
6	.....	78	56	138	125	96	149	142	140	81	158
7	.....	62	32	105	215	85	125	128	130	80	196
8	10	52	42	105	149	69	115	115	120	70	170
9	14	45	32	85	151	62	97	99	100	49	147
10	24	32	27	65	148	75	80	85	90	34	95
11	22	23	25	81	166	75	66	103	76	32	80
12	20	26	39	70	112	77	58	56	70	31	67
13	16	30	37	75	92	75	44	46	66	30	64
14	14	23	41	88	108	75	54	44	67	29	69
15	21	24	54	75	105	128	62	33	66	27	76
16	23	32	49	75	87	112	54	27	67	30	61
17	39	25	55	77	77	117	41	23		25	37
18	31	80	52	78	72	115	128	42		20	42
19	32	60	56	80	61	106	149	23		26	37
20	52	52	52	101	197	99	128	33		32	35
21	42	54	70	103	134	75	134	56		27	32
22	42	27	56	94	94	66	111	45		23	30
23	39	24	61	114	88	60	101	36	67	22	29
24	37	32	51	106	81	58	73	41		22	26
25	34	52	60	96	72	49	48	23		28	26
26	23	52	49	72	67	46	42	18		27	25
27	25	34	45	77	64	54	38	48		26	24
28	58	24	44	69	62	49	23	49		29	23
29	132	21	46	.....	69	58	26	39		28	22
30	90	15	49	.....	87	48	30	37		36	22
31	.....	34	46	.....	96	.....	27	.....	.....	72	.....

Daily discharge, in second-feet, of Black River near Pottersville, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	24	22	18	430	30	28	70	102	22	15	15	11
2	22	22	18	230	26	51	69	98	21	14	15	10
3	22	28	18	100	22	126	68	83	28	14	14	10
4	23	26	18	90	30	158	67	69	32	22	14	9.3
5	23	22	28	80	34	136	90	53	29	22	14	9.0
6	22	30	24	69	34	108	110	45	30	19	13	8.6
7	22	29	24	55	34	86	110	40	46	19	13	8.6
8	22	32	24	53	34	81	106	32	58	18	12	22
9	27	27	28	37	32	76	97	45	54	18	11	19
10	34	26	25	31	32	78	85	43	66	17	9.6	21
11	35	25	28	36	32	85	72	42	72	16	10	26
12	37	25	23	32	34	136	69	49	69	15	13	28
13	38	23	20	36	34	158	64	57	53	15	14	26
14	39	19	18	72	34	136	57	50	39	14	12	19
15	39	24	18	60	32	120	54	46	34	26	12	14
16	36	23	20	37	30	210	51	53	27	20	11	13
17	28	22	20	36	28	255	49	69	26	16	11	12
18	29	21	20	34	26	224	48	54	24	15	10	10
19	27	24	17	34	26	210	46	49	22	14	9.6	9.6
20	26	26	14	50	26	170	45	49	19	14	9.3	9.6
21	24	21	15	102	24	147	42	67	18	14	7.3	24
22	22	20	16	122	24	136	41	54	17	13	8.2	22
23	24	19	18	95	22	147	39	48	17	13	8.2	38
24	22	19	17	98	24	147	37	45	17	13	8.6	42
25	24	18	18	66	22	126	35	42	16	22	8.6	35
26	24	18	20	61	18	114	34	36	16	16	8.6	33
27	24	17	23	45	22	102	34	34	17	14	10	29
28	24	17	60	44	28	88	65	30	17	15	11	22
29	24	17	44	43	.....	82	156	26	16	16	12	18
30	24	17	60	40	.....	78	106	24	15	15	12	15
31	22	.....	24	34	.....	72	.....	23	.....	15	11	.....
1923-24												
1	12	29	78	54	44	44	61	116	69	32	13	10
2	12	28	64	50	40	43	50	98	66	28	12	10
3	12	22	60	110	40	43	58	93	61	24	12	11
4	12	18	54	80	54	72	72	88	57	24	11	10
5	11	16	66	66	88	102	78	81	53	22	11	11
6	10	18	118	61	110	158	251	75	51	22	16	10
7	9.0	28	85	73	81	136	325	69	58	22	20	10
8	9.3	31	70	55	69	98	270	69	54	30	17	9.6
9	9.3	28	67	44	63	98	224	147	55	41	15	11
10	9.3	24	63	44	60	104	183	126	50	36	13	13
11	9.3	20	51	170	50	120	147	126	46	36	12	12
12	9.3	18	43	95	50	114	126	210	49	36	44	12
13	10	17	38	81	50	97	110	196	57	35	35	12
14	10	16	38	78	69	85	102	183	60	28	33	12
15	10	17	35	73	58	76	90	170	54	26	32	11
16	12	17	32	140	50	64	85	147	50	23	30	11
17	13	17	31	240	57	55	78	136	44	21	24	10
18	12	17	30	160	45	54	150	136	39	20	18	10
19	15	15	27	126	42	54	196	136	36	17	15	10
20	16	15	26	124	54	51	170	120	35	16	14	9.6
21	21	15	27	97	58	50	158	116	31	16	14	9.6
22	17	14	43	91	46	48	147	112	30	16	14	15
23	23	18	100	88	50	48	136	102	29	18	13	23
24	80	38	90	64	60	49	106	91	28	17	13	20
25	53	35	76	140	46	49	98	95	44	17	12	20
26	53	30	72	97	35	50	88	86	51	16	14	16
27	55	24	66	97	34	55	81	85	44	15	13	15
28	60	22	64	170	39	69	75	97	36	14	13	14
29	46	20	55	122	40	73	73	88	38	14	12	27
30	30	77	51	66	.....	72	88	85	38	13	12	161
31	30	.....	50	50	.....	67	.....	75	.....	13	11	.....

Daily discharge, in second-feet, of Black River near Pottersville, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	136	17	18		18	136	86	43	29	37	164	15
2	112	16	18		19	136	81	45	26	34	106	15
3	104	16	17		20	124	75	43	24	24	98	15
4	97	16	16		19	124	67	40	23	19	91	17
5	80	16	26	17	19	124	61	35	21	19	80	17
6	63	16	70		19	124	57	32	19	18	67	16
7	45	15	60		21	122	54	30	18	17	51	40
8	32	15	55		25	118	53	29	17	16	40	30
9	25	15	70		29	114	50	27	17	16	52	27
10	22	15	54	17	162	108	49	26	20	19	57	26
11	19	15	44	16	279	104	48	63	19	19	43	24
12	18	15	36	16	345	106	80	70	17	17	37	20
13	18	15		16	224	95	80	61	15	15	39	20
14	17	15			170	90	75	57	15	13	38	27
15	17		26		183	86	85	48	16	12	33	24
16	17			20	196	85	81	37	31	48	30	63
17	17	14			170	88	70	38	25	55	30	74
18	16				147	88	66	39	24	48	28	54
19	16				136	126	60	35	19	49	25	48
20	16		24	23	136	126	54	29	17	46	23	44
21	15	14	24	22	126	118	48	26	16	39	23	39
22	15	34	26	20		114	45	24	16	38	23	30
23	15	40	41	19		102	43	23	12	37	23	24
24	15	40	42	19		93	41	51	14	34	22	20
25	16	38	38	22	160	81	38	73	18	32	20	19
26	17	34	28	20		73	38	63	18	51	19	17
27	17	26	20	20		69	37	60	17	63	18	17
28	18	20	16	20	126	97	35	57	28	48	17	17
29	19	18	16	20	.....	93	35	45	46	48	17	17
30	18	18	17	21	.....	93	38	37	45	37	16	17
31	17	.....	17	22	.....	91	.....	33	.....	138	16	.....
1925-26												
1	16	43	69		60	126	58	34	22	13	32	
2	17	40	73	40	43	136	54	33	27	12	27	
3	26	37	95			116	57	26	29	12	23	36
4	24	35	120	41		97	60	25	29	12	19	
5	35	32		43	36	78	54	24	24	12	17	
6	32	39		46		73	53	24	21	12	15	102
7	30	38			33	220	51	24	25	17	15	86
8	29	40	100			198	78	24	31	15	14	69
9	27	46				147	88	25	30	13		67
10	25	40			32	126	76	24	25	13		64
				34								
11	24	37				104	72	23	20	13		53
12	24	38				86	69	23	19	14		44
13	22	137	73			76	60	22	20	12		23
14	24	88	70			57	50	34	21	12		26
15	41	75	61			54	45	39	39	12	44	23
16	35	114	58	30	90	46	42	46	43	16		22
17	37	95	58	30		42	39	45	44	15		22
18	37	81	53	178		41	36	36	41	22		22
19	34	75	49	142		44	35	26	28	25		20
20	28	66	48			49	33	25	20	25		19
21	24	60	58		90	54	31	24	18	23		19
22	22	55	69		80	57	31	23	17	17	37	18
23	22	51	63		76	63	31	21	18	14	34	18
24	23	46	55		75	69	31	21	20	29	31	18
25	111	43		42	188	67	34	20	20	138	32	19
26	91	42			241	67	34	20	20	69	34	22
27	69	76	45		158	67	34	19	20	55	30	20
28	67	73			158	61	32	19	18	53	27	22
29	66	67			.....	55	34	19	16	54	26	30
30	60	63			.....	51	34	19	15	46	23	30
31	50	.....			.....	51	.....	19	.....	35	20	.....

Daily discharge, in second-feet, of Black River near Pottersville, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	31	69	85	73	70	101	48	45	48	24	77	116
2	28	60	65	65	75	92	51	37	44	24	103	112
3	25	57	60	60	76	73	52	34	38	22	75	92
4	24	54	60	66	78	68	52	36	42	20	69	78
5	21	52	55	66	70	57	49	39	49	19	63	70
6	32	46	55	62	62	62	51	39	49	18	55	65
7	32	42	55	50	59	63	49	38	47	21	43	58
8	32	39	55	48	57	80	47	34	42	26	36	54
9	32	62	60	44	54	83	44	35	35	24	43	47
10	27	103	60	42	54	83	39	41	30	22	36	44
11	26	79	55	42	53	79	36	57	29	21	35	39
12	26	72	53	46	53	73	34	52	29	21	34	35
13	26	70	54	55	48	72	33	46	27	20	31	34
14	26	67	65	75	45	79	32	44	37	18	38	34
15	26	63	60	50	68	81	32	69	44	18	47	33
16	24	141	55	46	62	76	31	67	44	45	40	32
17	30	146	48	65	78	73	34	62	38	45	43	32
18	38	117	44	50	106	70	34	52	32	39	52	30
19	42	125	44	48	106	67	33	58	43	38	54	38
20	60	119	42	90	57	70	32	67	67	39	49	35
21	70	104	44	170	55	93	31	62	58	38	45	33
22	57	92	48	146	62	87	62	54	55	30	42	33
23	52	83	44	136	72	78	63	47	51	136	46	32
24	54	75	40	118	107	73	60	63	43	117	45	32
25	138	69	45	103	126	65	55	122	38	94	35	32
26	91	74	75	65	180	57	45	126	36	92	34	30
27	78	89	60	55	106	54	49	121	33	84	121	29
28	76	76	80	65	98	52	59	104	32	67	104	27
29	73	70	121	99	.....	51	57	89	26	49	121	27
30	66	85	87	78	.....	49	53	72	24	37	116	26
31	71	.....	76	72	.....	49	.....	57	.....	36	104	.....
1927-28												
1	26	70	116	136	65	104	98	136	42	57	106	146
2	25	69	145	90	60	92	99	123	38	52	96	136
3	24	191	146	75	60	84	94	110	38	49	86	136
4	62	270	123	70	60	78	86	96	40	43	78	123
5	45	224	125	65	79	72	78	86	53	60	75	114
6	42	210	136	65	75	66	72	79	101	116	104	125
7	47	183	134	65	94	63	69	76	81	98	87	125
8	52	158	295	67	254	58	67	75	79	125	83	114
9	58	136	210	73	170	58	65	70	81	125	86	104
10	54	123	196	78	136	51	62	70	83	119	89	99
11	44	114	183	79	123	60	60	65	63	151	91	94
12	39	106	196	81	104	89	86	65	53	146	81	89
13	44	98	183	79	91	117	79	63	47	125	70	117
14	91	94	210	76	180	117	87	62	60	185	65	97
15	81	91	183	75	224	114	92	59	66	146	58	84
16	81	89	170	72	146	112	83	57	45	125	55	81
17	92	276	170	72	146	106	76	55	40	119	170	80
18	262	338	146	67	136	101	69	66	36	108	158	75
19	270	270	125	66	101	94	62	75	39	94	103	90
20	210	270	114	73	92	86	55	75	43	81	104	110
21	196	224	114	146	79	81	54	78	45	76	104	86
22	183	183	110	116	79	76	95	89	63	84	236	83
23	158	158	106	89	283	75	129	78	65	125	183	76
24	136	158	98	69	224	72	170	66	66	94	146	75
25	116	146	85	158	170	70	146	57	58	104	183	73
26	103	136	80	92	146	70	136	54	53	123	196	69
27	92	125	75	80	125	70	125	58	47	111	239	65
28	86	136	73	75	112	65	183	60	40	170	210	60
29	81	125	91	70	104	65	158	60	63	112	196	57
30	78	121	106	65	.....	75	146	55	81	103	183	55
31	73	.....	119	65	.....	110	.....	46	.....	104	170	.....

NOTE.—Stage-discharge relation affected by ice Dec. 13-15, 19-21, 1922; Jan. 18-20, 30, 31, Feb. 1, 10-28, Mar. 1, 1923; Jan. 3, 4, 10, 11, 17, 18, 31, Feb. 1-4, Dec. 21, 22, 29-31, 1924; Jan. 1-9, 14-19, Dec. 25, 30, 31, 1925; Jan. 1-3, 7-15, 20-31, Feb. 3-6, 8-12, Dec. 5-10, 15, 24, 26-28, 1926; Jan. 2, 3, 7-22, 26-28, Dec. 25-27, 1927; Jan. 2-7, 30, 31, and Feb. 1-3, 1928. No gage height record July 4-10, July 18, to Aug. 2, 1922; June 28, to July 5, Aug. 12, Nov. 15-20, Dec. 13-19, 1924; Feb. 22-27, Apr. 12, 13, Dec. 5-12, 26-29, 1925; Feb. 13-20, July 2, 3, Aug. 9-21, Sept. 1-5, Nov. 29-30, Dec. 1-4, 16-23, 1926; Jan. 27-29, Mar. 26-31, May 8-12, 28-31, June 1, 2, and Sept. 17-20, 1928. Discharge for these periods determined by graphic study of gage height record, discharge measurements, weather records, and records of nearby streams.

Monthly discharge of Black River Near Pottersville, for the years ending September 30, 1922-1928.

[Drainage area, 33 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1921-22					
November	132	10	36.5	1.11	0.95
December	127	15	49.8	1.51	1.74
January	70	25	45.7	1.38	1.59
February	315	54	96.7	2.93	3.05
March	215	61	104	3.15	3.63
April	159	46	82.7	2.51	2.80
May	174	23	77.7	2.35	2.71
June	163	18	63.7	1.93	2.15
July	183	.....	90.8	2.75	3.17
August	81	20	40.5	1.23	1.42
September	196	22	68.4	2.07	2.31
1922-23					
October	39	22	26.9	0.815	0.94
November	32	17	23.0	.697	.78
December	60	14	23.8	.721	.83
January	430	31	75.9	2.30	2.65
February	34	18	25.6	.776	.81
March	255	28	125	3.79	4.37
April	156	34	67.2	2.04	2.28
May	102	23	50.2	1.52	1.75
June	72	15	31.2	.945	1.05
July	26	13	16.4	.497	.57
August	15	7.3	11.2	.339	.39
September	42	8.6	19.1	.579	.65
The year	430	7.3	41.7	1.26	17.07
1923-24					
October	80	9.0	22.3	0.719	0.83
November	77	14	23.5	.712	.79
December	118	26	57.1	1.73	1.99
January	240	44	97.0	2.94	3.39
February	110	34	54.6	1.65	1.84
March	158	43	74.1	2.25	2.59
April	325	50	129	3.91	4.36
May	210	69	115	3.48	4.01
June	69	28	47.1	1.43	1.60
July	41	13	22.8	.691	.80
August	44	11	17.4	.527	.61
September	161	9.6	17.9	.542	.60
The year	325	9	56.5	1.71	23.41
1924-25					
October	136	15	34.5	1.05	1.21
November	40	14	19.4	.588	.66
December	70	16	31.5	.955	1.10
January	.....	.....	18.9	.573	.66
February	345	18	127	3.85	4.01
March	136	69	105	3.18	3.67
April	86	35	57.7	1.75	1.95
May	73	23	42.5	1.29	1.49
June	46	12	21.4	.648	.72
July	138	12	35.7	1.08	1.24
August	164	16	43.4	1.32	1.52
September	74	15	27.8	.842	.94
The year	345	12	46.5	1.41	19.17
1925-26					
October	111	16	37.8	1.15	1.33
November	137	32	59.1	1.79	2.00
December	.....	.....	70.5	2.14	2.47
January	178	30	46.5	1.41	1.63
February	241	.....	79.5	2.41	2.51
March	220	41	83.2	2.52	2.90
April	86	31	47.9	1.45	1.62
May	46	19	26.0	.788	.91
June	44	15	24.7	.748	.83
July	138	12	26.8	.812	.94
August	.....	.....	33.2	1.01	1.16
September	102	18	35.3	1.07	1.19
The year	241	12	47.3	1.43	19.49

Monthly discharge of Black River Near Pottersville, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926-27					
October	138	21	46.3	1.40	1.61
November	146	39	80.0	2.42	2.70
December	121	40	59.7	1.81	2.09
January	170	42	72.6	2.20	2.54
February	180	45	75.6	2.29	2.38
March	101	49	71.3	2.16	2.49
April	63	31	44.9	1.36	1.52
May	126	34	60.3	1.83	2.11
June	67	24	40.3	1.22	1.36
July	136	18	42.1	1.28	1.48
August	121	31	59.2	1.79	2.06
September	116	26	46.0	1.39	1.55
The year	180	18	58.1	1.76	23.89
1927-28					
October	270	24	95.2	2.88	3.32
November	338	69	163	4.94	5.51
December	295	73	141	4.27	4.92
January	158	65	82.2	2.49	2.87
February	283	60	128	3.88	4.18
March	117	51	82.3	2.49	2.87
April	183	54	96.0	2.91	3.25
May	136	46	73.0	2.21	2.55
June	101	36	57.0	1.73	1.93
July	185	43	107	3.24	3.74
August	239	55	126	3.82	4.40
September	146	55	94.6	2.87	3.20
The year	338	24	104	3.15	42.74

Millstone River at Blackwells Mills.

LOCATION.—At highway bridge in the village of Blackwells Mills, Somerset County, one-quarter of a mile below mouth of Middlebrush Brook, 1¾ miles above the village of Millstone, and 5 miles above mouth of Millstone River.

DRAINAGE AREA.—258 square miles.

RECORDS AVAILABLE.—August 4, 1921, to September 30, 1928. A station was maintained at Millstone 1¾ miles downstream from June 28, 1903, to December 31, 1904; and from June 7, 1912, to April 30, 1915 (unpublished record of gage heights only).

EQUIPMENT.—Vertical staff gage in two sections on downstream side of left bridge abutment used to August 27, 1928; after that date, a water-stage recorder on left bank 25 feet downstream from bridge was used.

CHANNEL AND CONTROL.—Channel, clay banks; river overflows banks at high stages. Control is foundation of old stone and timber dam 100 feet downstream from gage, gradually disintegrating.

EXTREMES OF DISCHARGE.—1921-1928: Maximum discharge about 7,000 second-feet at 11:00 P. M. October 18, 1927 (stage, 10.4 feet, estimated from hydrograph); minimum stage recorded, 0.0 all day September 16, 1923 (discharge, about 5 second-feet).

DIVERSIONS AND REGULATION.—The Delaware and Raritan Canal takes water from Delaware River and flows northeastward to Raritan River. It passes along the right bank of Millstone River for 15 miles above gaging station and for 5 miles below. Canal is above river at all points and loses water to river by leakage, seepage, and by discharge over spillways.

Daily discharge, in second-feet, of Millstone River at Blackwells Mills, for the years ending September 30, 1921-1928.

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1921			1921			1921		
1	.....	212	11	727	110	21	368	151
2	.....	142	12	540	120	22	277	157
3	.....	133	13	379	128	23	249	139
4	450	40	14	695	128	24	228	130
5	347	118	15	760	130	25	200	130
6	301	133	16	480	130	26	108	130
7	296	124	17	368	130	27	163	130
8	4,050	118	18	695	130	28	128	130
9	2,810	108	19	570	130	29	220	130
10	1,530	113	20	432	130	30	208	142
						31	182	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	136	97	374	.....	68	510	.....	.....	108	174	146	130
2	123	95	331	.....	1,630	510	1,200	.....	128	599	340	138
3	128	95	630	.....	3,140	727	374	.....	163	361	241	123
4	136	95	84	.....	2,030	760	570	.....	145	409	208	146
5	123	95	220	.....	1,240	1,090	.....	.....	115	538	219	163
6	113	120	272	.....	825	1,200	.....	.....	.....	508	174	135
7	99	167	306	.....	727	2,030	.....	.....	2,090	340	146	110
8	104	133	258	.....	630	3,070	630	.....	.....	293	141	116
9	116	106	228	.....	510	1,380	480	.....	.....	1,170	123	103
10	118	95	204	.....	390	955	450	.....	.....	414	121	100
11	97	95	212	.....	385	1,160	.....	.....	.....	284	103	93
12	116	95	220	.....	379	1,970	.....	.....	.....	219	90	121
13	116	95	212	.....	347	1,330	.....	.....	.....	382	90	146
14	116	95	189	.....	450	890	.....	.....	.....	508	116	146
15	113	116	204	.....	540	4,880	.....	.....	.....	331	93	125
16	110	120	189	.....	426	600	.....	.....	302	226	103	116
17	110	154	157	.....	363	510	.....	.....	249	186	96	96
18	110	179	570	.....	390	414	.....	.....	284	538	89	100
19	116	182	600	.....	570	363	.....	.....	222	340	79	93
20	116	189	480	.....	955	1,680	.....	.....	192	222	93	86
21	104	204	426	.....	2,330	1,630	.....	128	160	192	107	82
22	118	212	390	88	2,270	760	.....	128	148	180	86	93
23	106	212	374	86	1,730	630	.....	128	168	160	89	83
24	104	212	311	66	825	600	.....	128	174	448	93	73
25	104	136	363	50	590	390	.....	151	196	361	86	91
26	101	142	301	30	450	385	.....	170	222	238	83	85
27	101	93	486	35	480	374	.....	133	326	208	112	93
28	101	163	336	48	510	358	.....	130	258	199	148	89
29	99	630	321	50	.....	352	.....	120	253	174	130	89
30	99	402	420	46	.....	341	.....	115	205	146	130	79
31	97	.....	220	57	.....	420	.....	108	.....	133	125	.....

Daily discharge, in second-feet, of Millstone River at Blackwells Mills, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	70	82	94	1,240	246	662	302	567	138	32	86	86
2	93	94	154	1,680	236	506	306	394	133	32	79	44
3	93	89	123	1,240	314	448	310	322	114	83	64	79
4	96	80	128	727	420	826	318	290	131	86	66	83
5	89	78	203	476	306	760	598	268	106	97	43	89
6	94	118	206	368	394	476	1,020	246	104	88	64	89
7	89	82	194	322	197	420	760	219	114	74	79	91
8	105	100	185	322	194	318	598	212	128	49	71	88
9	116	293	188	290	176	322	567	206	114	79	63	59
10	118	208	138	322	179	368	448	206	106	76	70	97
11	123	168	176	345	162	630	394	185	110	91	66	176
12	105	163	188	322	171	1,430	345	176	108	76	21	232
13	101	138	165	298	420	2,270	318	246	108	73	50	133
14	86	103	203	345	1,020	2,210	318	257	103	70	82	35
15	100	103	162	250	1,380	1,530	420	212	103	37	116	13
16	96	128	182	253	1,850	1,910	420	185	97	88	108	5
17	86	123	191	222	1,430	3,490	345	182	89	68	106	43
18	86	123	243	200	1,020	2,210	310	182	106	72	94	87
19	83	125	226	174	567	1,330	278	168	97	70	29	94
20	82	121	194	149	264	860	264	149	100	68	97	94
21	62	123	200	920	257	662	239	179	91	65	125	212
22	80	101	200	2,210	182	598	239	200	91	24	112	257
23	94	96	182	920	154	970	226	185	76	27	110	286
24	88	116	185	630	91	2,810	206	162	65	65	112	314
25	89	100	160	1,630	154	1,170	194	151	91	77	106	253
26	76	81	232	920	222	727	203	133	100	72	38	250
27	69	75	345	694	662	662	206	128	91	69	21	194
28	68	96	448	506	567	506	182	131	94	65	57	133
29	64	87	394	420	.....	394	2,210	125	97	91	83	103
30	64	92	310	319	.....	394	1,170	112	83	144	86	101
31	82	.....	231	378	.....	368	.....	119	.....	86	87	.....
1923-24												
1	105	196	662	955	279	524	442	470	389	442	114	139
2	98	172	320	524	279	772	470	416	365	365	98	132
3	100	150	243	2,090	260	772	662	416	320	320	100	130
4	96	141	196	2,150	260	1,240	1,170	341	298	260	102	126
5	109	134	552	717	662	1,330	1,480	298	279	260	98	118
6	88	137	1,330	389	1,530	1,630	1,430	279	243	226	93	113
7	78	137	772	260	1,050	1,240	5,400	279	634	193	103	111
8	102	137	497	226	772	910	3,070	260	341	279	90	109
9	91	120	365	211	662	662	1,530	1,200	298	2,330	82	196
10	102	120	298	211	389	607	955	1,580	260	1,100	98	1,050
11	98	113	298	1280	341	1,280	717	1,000	226	442	103	365
12	91	103	279	2,570	320	2,690	607	2,150	243	320	820	243
13	86	109	243	910	497	2,570	552	2,870	243	320	772	196
14	66	109	260	662	341	1,480	470	1,240	772	341	320	159
15	102	93	260	416	260	1,000	416	910	772	260	243	145
16	96	96	243	470	416	662	365	1,170	442	211	196	137
17	90	88	243	2,690	298	552	298	820	341	193	155	132
18	109	91	226	1,330	226	497	865	470	279	177	141	134
19	102	105	193	955	188	470	2,750	416	772	159	130	132
20	113	95	180	717	865	442	1,680	365	1,140	141	128	132
21	100	88	180	524	2,330	389	1,240	389	1,630	143	122	122
22	120	102	185	416	2,450	416	910	470	865	139	111	130
23	105	105	1,330	341	2,030	365	820	389	552	145	113	162
24	717	416	1,100	279	910	341	634	341	416	141	109	162
25	497	260	820	1,430	607	320	524	1,730	341	134	116	147
26	243	185	442	1,330	320	365	470	865	497	128	226	145
27	226	169	365	772	279	607	389	634	389	118	260	128
28	177	145	910	580	341	772	341	634	772	116	226	126
29	145	132	1,000	442	497	607	320	524	717	113	243	139
30	137	497	524	341	.....	802	389	634	607	109	226	1,050
31	226	.....	910	320	.....	634	.....	497	.....	109	172	.....

Daily discharge, in second-feet, of Millstone River at Blackwells Mills, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	2,270	100	120	83	298	1,050	389	298	141	124	279	43
2	662	102	105	85	279	2,750	389	260	141	91	341	68
3	552	95	93	113	298	1,680	416	226	139	76	185	62
4	416	91	118	109	320	820	341	196	137	78	45	90
5	320	103	243	107	298	524	341	191	132	95	85	128
6	260	111	552	120	298	497	298	185	124	118	113	120
7	226	109	279	111	298	497	298	172	116	76	36	226
8	226	103	196	128	497	497	226	164	109	80	32	196
9	226	93	298	98	955	497	226	164	107	120	44	43
10	191	93	226	85	2,570	365	226	159	118	128	128	32
11	174	91	185	82	4,610	320	442	226	105	141	116	38
12	150	96	157	85	5,100	298	341	470	102	109	91	28
13	150	93	147	98	3,630	260	298	279	109	87	82	25
14	145	98	120	96	1,730	260	243	226	109	75	88	20
15	143	96	110	109	1,480	243	1,050	196	111	91	64	20
16	139	103	114	85	1,530	243	580	174	114	98	55	71
17	139	91	120	137	1,170	298	416	159	122	102	80	164
18	134	90	120	298	910	497	341	152	111	98	61	162
19	126	85	107	279	772	1,050	320	150	109	66	70	145
20	122	90	102	211	1,000	865	298	145	95	67	62	91
21	118	96	91	130	607	580	260	150	93	68	61	100
22	120	128	87	100	865	497	226	145	80	76	51	71
23	116	211	85	85	1,000	442	226	145	83	68	47	67
24	111	172	145	80	865	298	211	134	85	73	61	50
25	107	172	524	78	634	167	211	180	96	105	58	55
26	111	141	389	103	634	279	193	211	91	150	62	75
27	118	116	167	126	580	524	191	180	83	177	43	62
28	102	102	152	143	341	662	182	155	71	145	55	67
29	107	105	103	226	.....	552	211	152	109	120	63	55
30	102	109	91	279	.....	497	260	182	141	98	42	65
31	105	.....	78	298	.....	497	.....	164	.....	128	31	.....
1925-26												
1	58	210	200	131	940	1,030	479	185	207	76	124	133
2	48	194	147	118	725	1,070	434	170	411	78	160	179
3	48	188	1,330	110	388	775	388	149	233	67	103	306
4	75	182	1,580	110	326	575	434	140	200	63	100	207
5	95	160	1,330	110	269	388	367	152	179	60	70	167
6	90	226	1,140	118	173	326	306	124	144	63	75	269
7	90	176	1,070	144	213	1,250	288	122	149	82	63	4,900
8	98	200	775	170	251	1,900	456	135	160	67	50	1,780
9	91	191	575	142	160	434	675	129	147	49	68	600
10	73	210	388	120	140	200	525	140	144	44	65	550
11	76	157	326	120	130	411	411	131	135	63	52	367
12	109	188	326	110	130	388	346	135	126	58	72	288
13	66	2,380	306	110	140	306	288	131	124	71	2,080	233
14	56	1,210	251	107	150	288	233	135	122	81	1,290	197
15	113	502	220	129	725	269	251	176	122	88	885	167
16	111	1,110	197	140	775	269	251	233	114	85	600	154
17	279	502	167	126	775	269	213	456	118	84	434	144
18	226	367	191	131	1,110	251	203	367	114	81	411	133
19	177	306	197	1,030	2,680	226	165	269	102	109	388	122
20	116	269	207	575	2,680	251	176	269	92	99	326	118
21	111	251	188	306	1,840	269	165	251	96	80	326	122
22	93	230	210	525	550	306	160	165	89	76	346	109
23	96	220	288	830	367	326	126	135	93	59	306	99
24	96	200	269	725	367	326	131	133	269	69	306	100
25	1,380	182	223	502	1,430	367	226	140	165	120	388	109
26	1,110	173	180	346	4,000	434	251	135	140	154	411	133
27	388	326	160	233	3,070	479	220	131	120	97	367	116
28	326	288	140	170	1,730	434	203	118	102	79	326	102
29	251	269	120	162	.....	367	200	124	103	154	251	100
30	226	233	130	157	.....	326	197	122	87	575	185	111
31	226	.....	140	197	.....	346	.....	144	.....	200	154	.....

Daily discharge, in second-feet, of Millstone River at Blackwells Mills, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	102	1,170	1,030	625	346	650	223	203	167	116	388	1,210
2	97	575	1,030	550	306	502	230	197	157	112	1,110	1,030
3	88	411	388	479	288	411	288	173	142	112	502	502
4	86	326	346	388	306	434	233	167	142	99	306	411
5	84	251	326	434	251	346	233	173	223	93	230	306
6	144	203	346	388	251	346	269	182	223	93	197	251
7	152	173	306	675	251	326	288	167	188	93	149	197
8	114	162	269	367	269	388	251	162	154	103	434	176
9	95	251	230	288	251	411	223	147	135	89	3,070	160
10	81	1,580	269	157	230	367	191	142	131	89	2,080	142
11	87	725	269	149	233	306	191	233	131	92	830	142
12	93	434	251	167	233	306	197	251	114	92	550	131
13	92	346	269	167	230	306	173	194	111	85	388	131
14	82	269	326	388	233	306	167	179	105	77	550	131
15	75	269	575	346	525	326	162	170	147	71	775	126
16	85	885	326	230	625	306	154	188	135	64	456	120
17	77	1,290	306	230	456	288	154	170	122	940	411	126
18	95	1,030	269	167	725	269	167	152	116	251	456	120
19	92	940	220	216	1,170	233	162	140	157	154	456	142
20	122	650	188	725	1,110	269	147	144	885	111	436	176
21	251	479	179	1,530	675	306	147	160	388	88	326	142
22	162	367	200	1,480	525	346	600	140	306	82	269	131
23	133	346	210	1,000	940	288	625	129	251	2,320	288	126
24	96	306	188	800	1,630	251	411	122	170	3,630	251	111
25	346	288	194	600	1,530	233	346	1,110	129	550	210	111
26	411	269	1,250	479	2,140	220	269	675	129	326	200	107
27	269	830	575	346	1,380	220	251	479	129	288	1,430	102
28	226	388	1,210	230	885	223	388	346	122	251	1,030	102
29	157	388	3,000	830	.....	223	306	269	112	182	885	107
30	131	885	1,530	600	.....	223	251	207	116	154	625	102
31	411	.....	985	525	.....	213	.....	185	.....	160	456	.....
1927-28												
1	97	251	434	775	223	479	550	830	176	367	388	233
2	95	251	885	725	203	479	434	600	149	326	346	213
3	97	251	1,340	411	213	434	388	525	149	251	306	233
4	269	1,340	830	210	223	346	346	456	149	207	269	233
5	230	830	2,000	179	479	306	346	367	207	1,010	216	216
6	154	600	2,890	185	479	306	306	326	1,610	3,410	185	269
7	126	525	2,100	216	411	288	269	288	1,260	2,260	200	456
8	120	434	3,600	223	2,500	269	269	251	550	1,120	233	367
9	213	388	2,200	223	2,320	269	269	288	434	725	226	346
10	479	388	1,060	269	1,380	346	233	346	525	525	194	288
11	288	367	940	269	885	367	233	306	346	388	269	233
12	233	326	775	269	600	675	346	269	306	306	269	210
13	1,090	306	725	269	434	940	388	251	288	1,850	269	188
14	775	288	1,120	251	434	775	388	230	251	1,750	269	167
15	525	251	775	251	1,950	625	367	220	775	1,430	233	157
16	411	251	940	269	1,150	525	306	213	411	940	200	149
17	456	251	1,090	251	940	479	269	194	346	525	216	152
18	2,570	1,180	725	251	885	575	269	213	306	411	388	147
19	6,330	725	550	269	830	775	233	306	288	346	306	176
20	4,100	575	725	1,010	575	575	213	367	326	346	288	525
21	2,320	525	434	456	479	434	197	346	306	456	251	411
22	1,060	411	367	456	479	434	388	288	326	388	479	367
23	830	367	346	346	2,570	434	940	251	346	367	625	326
24	650	326	550	226	2,730	388	2,730	216	502	675	326	269
25	502	326	550	1,010	1,180	346	2,000	185	456	434	411	216
26	434	326	200	575	775	346	1,010	200	326	367	600	213
27	367	306	191	525	575	306	725	200	269	306	346	197
28	326	456	200	479	479	306	2,320	233	251	2,050	326	182
29	288	600	346	600	434	269	2,200	223	269	1,120	288	176
30	288	502	367	326	.....	675	1,180	210	388	830	251	251
31	269	.....	411	233	.....	775	.....	191	.....	525	251	.....

NOTE.—Discharge Jan. 1-21, 1922, not determined because of unreliable gage height record. No gage height record Apr. 1, 5-7, Apr. 11, to May 20, June 6, 8-15, 1922; Sept. 14, 15, 1925. Stage-discharge relation affected by ice Jan. 5-8, 26-29, Dec. 14, 15, 1924; Jan. 21-24, Dec. 26-31, 1925; Jan. 3-5, 10-13, Feb. 9-14, 1926. Indirect method of computing discharge used Oct. 26, to Dec. 31, 1923; Jan. 1-17, Oct. 12, to Dec. 31, 1924; Jan. 1, to Mar. 27, Oct. 17-24, 1925; July 6, to Sept. 5, Sept. 12, to Dec. 31, 1926; and Jan. 1, to Dec. 31, 1927; Jan. 1, to Feb. 8, and Apr. 12, to Sept. 30, 1928. Discharge shown for these periods determined by graphic study of gage height records, periodic discharge measurements, weather records, and records of nearby streams.

Monthly discharge, in second-feet, of Millstone River at Blackwells Mills, for the years ending September 30, 1921-1928.

[Drainage area, 258 square miles.]

Month	Discharge in second-feet		
	Maximum	Minimum	Mean
1921			
August 4-31	4,050	108	634
September	212	40	129
1921-22			
October	136	97	111
November	630	93	161
December	630	84	319
January 22-31	88	30	55.6
February	3,140	68	892
March	3,070	341	899
July	1,170	133	338
August	340	79	129
September	163	73	108
1922-23			
October	123	62	88.6
November	293	75	116
December	448	94	207
January	2,210	149	616
February	1,850	91	473
March	3,490	318	1,040
April	2,210	182	457
May	567	112	210
June	138	65	103
July	144	24	70.8
August	125	21	77.1
September	314	5	127
The year	3,490	5	298
1923-24			
October	717	66	149
November	497	88	152
December	1,330	180	497
January	2,690	211	855
February	2,450	188	678
March	2,690	320	869
April	5,400	298	1,050
May	2,870	260	776
June	1,630	226	515
July	2,330	109	314
August	820	82	191
September	1,050	109	210
The year	5,400	66	521
1924-25			
October	2,270	102	258
November	211	85	110
December	552	78	175
January	298	78	134
February	5,100	279	1,200
March	2,750	167	597
April	1,050	182	322
May	470	134	193
June	141	71	109
July	177	66	101
August	341	31	84.9
September	226	20	81.3
The year	5,100	20	274
1925-26			
October	1,380	48	206
November	2,380	157	377
December	1,580	120	418
January	1,030	107	258
February	4,000	130	937
March	1,900	200	479
April	675	126	292
May	456	118	172
June	411	87	147
July	575	44	101
August	2,080	59	348
September	4,900	99	404
The year	4,900	44	341
1926-27			
October	411	75	146
November	1,580	162	550
December	3,000	179	550
January	1,530	149	502
February	2,140	230	643
March	650	213	317
April	625	147	257
May	1,110	122	237
June	885	105	185
July	3,630	64	354
August	3,070	149	634
September	1,210	102	229
The year	3,630	64	382
1927-28			
October	6,330	95	838
November	1,340	251	464
December	3,600	191	957
January	1,010	179	387
February	2,730	203	925
March	940	269	469
April	2,730	197	670
May	830	185	303
June	1,610	149	410
July	3,410	207	839
August	625	185	304
September	525	147	252
The year	6,330	95	568

NOTE.—Because of leakage, seepage, and waste water from the Delaware and Raritan Canal, this record does not represent the natural flow from the basin.

Green Brook at Bound Brook.

LOCATION.—Near State highway bridge at Bound Brook, Middlesex County, one-half mile above mouth.

DRAINAGE AREA.—49 square miles.

RECORDS AVAILABLE.—June 12, 1923, to September 30, 1928.

EQUIPMENT.—Vertical staff gage fastened to willow tree on left bank 300 feet below bridge.

CHANNEL AND CONTROL.—Channel, sand and fine gravel. Control is riffle of gravel 200 feet below gage; not permanent, also affected by growth of grass during the summer.

DIVERSIONS AND REGULATION.—Green Brook receives the sewage of Plainfield about 3 miles upstream. A well field of the Elizabethtown Water Company, Consolidated, is located along the stream just above the station; a well field of Middlesex Water Company and a second field of the Elizabethtown Water Company, Consolidated, are also located in the drainage area above the station.

Daily distribution of flow slightly affected by water power upstream from gage.

Monthly discharge of Green Brook at Bound Brook, for the years ending September 30, 1923-1928.

[Drainage area, 49 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923					
June 12-30	57	12	20.1	0.410	0.29
July	24	9	22.7	.463	.53
August	49	8	16.1	.329	.38
September	78	10	15.8	.322	.36
1923-24					
October	150	10	24.0	0.490	0.56
November	48	15	23.1	.471	.53
December	281	32	76.0	1.55	1.79
January	350	48	129	2.63	3.03
February	206	42	70.9	1.45	1.56
March	395	38	123	2.51	2.89
April	800	45	172	3.51	3.92
May	455	56	137	2.80	3.23
June	101	38	67.5	1.38	1.54
July	242	24	65.5	1.34	1.54
August	75	18	33.6	.686	.79
September	150	18	34.0	.694	.77
The year	800	10	79.7	1.63	22.15
1924-25					
October	.....	24	47.7	0.973	1.12
November	32	18	24.4	.498	.56
December	75	26	42.6	.869	1.00
January	.....	38	42.2	.861	.99
February	.....	35	182	3.71	3.86
March	455	48	103	2.10	2.42
April	140	38	59.3	1.21	1.35
May	79	20	39.5	.806	.93
June	42	11	23.2	.473	.53
July	26	10	16.5	.337	.39
August	268	11	32.7	.667	.77
September	59	12	21.9	.447	.50
The year	.....	10	52.1	1.06	14.42

Monthly discharge of Green Brook at Bound Brook, for the years ending September 30, 1923-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1925-26					
October	206	14	34.3	0.700	0.81
November	365	19	66.8	1.36	1.52
December	294	35	75.0	1.53	1.76
January	172	35	54.9	1.12	1.29
February	810	45	130	2.65	2.76
March	194	52	85.2	1.74	2.01
April	96	31	53.6	1.09	1.22
May	79	30	43.7	.892	1.03
June	48	14	25.5	.520	.58
July	20	8	14.8	.302	.35
August	440	14	86.9	1.77	2.04
September	1,100	32	109	2.22	2.48
The year	1,100	8	64.5	1.32	17.85
1926-27					
October	140	26	53.5	1.09	1.26
November	395	42	119	2.43	2.71
December	335	45	99.1	2.02	2.33
January	320	42	96.5	1.97	2.27
February	485	56	115	2.35	2.45
March	120	59	83.8	1.71	1.97
April	161	28	68.0	1.39	1.55
May	294	32	76.8	1.57	1.81
June	71	16	34.4	.702	.78
July	770	13	59.2	1.21	1.40
August	1,400	42	229	4.67	5.38
September	850	38	90.4	1.84	2.05
The year	1,400	13	93.7	1.91	25.96
1927-28					
October	1,100	45	156	3.18	3.67
November	294	52	88.3	1.80	2.01
December	480	42	123	2.51	2.89
January	161	45	63.8	1.30	1.50
February	800	56	147	3.00	3.24
March	172	56	96.0	1.96	2.26
April	480	35	118	2.41	2.69
May	88	42	53.4	1.09	1.26
June	150	59	99.6	2.03	2.26
July	1,500	59	185	3.78	4.36
August	206	56	78.1	1.59	1.83
September	130	42	81.5	1.66	1.85
The year	1,500	35	107	2.18	29.82

NOTE.—No correction made for Plainfield sewage nor for water diverted through the various well fields in the basin.

Lawrence Brook at Patricks Corner.

LOCATION.—Near highway bridge at Patricks Corner, Middlesex County, 3 miles southwest of Milltown, seven-eighths mile upstream from Beaver Brook dam, and 6¼ miles upstream from mouth of brook.

DRAINAGE AREA.—29 square miles.

RECORDS AVAILABLE.—June 21, 1922, to December 31, 1926, when station was abandoned because of backwater from new Farrington Dam.

EQUIPMENT.—Water-stage recorder on right bank 150 feet above highway bridge.

CHANNEL AND CONTROL.—Banks high and channel fairly straight. Control, concrete weir 5.02 feet of the crest at elevation of gage height 1.99 feet and remaining 19.95 feet at elevation of gage height 2.47 feet. Control was submerged and channel control became effective at very high stages. Prior to June, 1925, control was the sill of an old wooden dam at the site of the concrete weir.

EXTREMES OF DISCHARGE.—1922-1926: Maximum stage, from water mark, 8.70 feet at 3:00 A. M. April 7, 1924 (discharge, uncertain); minimum discharge 0.4 second-foot in August and October, 1923 (stage, 1.10 feet; stage-discharge relation was affected by grass on control).

REGULATION.—Distribution of flow affected by water power above the station.

Daily discharge, in second-feet, of Lawrence Brook at Patricks Corner, for the years ending September 30, 1922-1927.

Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.
1922					1922				
1	.....	21	19	14	16	.....	24	11	8.7
2	.....	30	51	8.0	17	.....	16	7.4	3.1
3	.....	16	49	6.0	18	.....	36	6.6	10
4	.....	22	71	27	19	.....	63	7.5	9.7
5	.....	47	34	23	20	.....	25	4.3	8.6
6	.....	38	19	15	21	 10	18	8.3	11
7	.....	20	19	14	22	 14	16	8.9	8.8
8	.....	17	12	8.7	23	 16	8.8	8.0	8.9
9	.....	11	15	15	24	..... 7.0	69	3.7	1.7
10	.....	12	14	3.6	25	 18	100	7.0	7.8
11	.....	8.7	15	7.8	26	 10	50	9.3	10
12	.....	10	11	28	27	 16	32	21	7.5
13	.....	41	6.1	20	28	 21	40	33	8.2
14	.....	76	8.9	19	29	 18	30	14	7.5
15	.....	38	8.0	14	30	 11	17	11	3.3
					31	....	13	22	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	2	8	9	260	30	31	20	28	7	1	7	2
2	9	3	9	157	24	52	21	21	7	5	7	1
3	5	9	4	77	40	66	17	19	4	3	5	1
4	6	10	12	58	47	74	24	19	3	7	6	4
5	2	3	12	49	25	63	68	14	6	10	2	5
6	4	8	13	38	17	50	88	13	8	11	4	1
7	7	8	8	35	23	33	42	10	4	3	2	5
8	4	7	10	32	24	31	41	15	7	2	5	4
9	8	6	9	34	30	33	52	14	6	2	3	2
10	10	7	5	44	22	29	34	11	1	3	4	6
11	10	8	10	39	8	52	30	9	7	6	3	3
12	10	2	11	34	27	169	16	9	5	6	1	5
13	7	8	10	30	58	167	32	11	9	4	8	2
14	6	5	8	30	120	169	33	17	5	4	8	5
15	5	8	10	33	173	78	24	11	4	4	6	7
16	4	8	8	22	50	176	38	15	5	8	8	1
17	5	8	12	25	37	246	23	12	3	8	4	3
18	6	4	33	20	23	104	32	8	6	6	4	3
19	6	2	30	23	10	76	17	8	7	3	1	2
20	7	10	16	19	21	51	13	11	6	6	5	2
21	7	8	11	152	16	51	17	15	3	4	2	8
22	8	8	15	197	16	44	20	20	5	1	5	10
23	9	8	8	75	24	75	12	13	3	6	3	4
24	8	6	6	71	20	130	8	12	2	2	3	10
25	6	10	12	146	9	52	8	12	4	7	8	7
26	7	3	12	83	12	47	10	11	3	5	1	6
27	6	7	14	53	42	37	9	3	4	3	3	4
28	9	10	42	41	50	35	19	5	7	4	1	4
29	2	7	52	32	.....	27	116	6	2	2	3	5
30	9	6	43	33	.....	28	53	5	4	5	2	1
31	6	.....	27	36	.....	29	.....	6	.....	7	6	.....

Daily discharge, in second-feet, of Lawrence Brook at Patricks Corner, for the years ending September 30, 1922-1927—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	2	14	37	59	18	48	26	54	11	26	7	13
2	1	8	8	26	15	49	38	42	20	20	5	22
3	5	6	8	217	25	61	66	34	29	20	3	7
4	3	2	12	102	25	81	114	29	26	18	4	6
5	3	8	53	55	93	112	63	19	19	13	4	8
6	1	4	94	42	176	123	124	18	9	11	5	8
7	1	8	35	16	63	97	394	25	39	12	7	3
8	1	11	15	19	46	59	119	29	36	21	4	4
9	1	6	23	17	41	45	103	186	30	79	3	52
10	7	6	16	10	21	49	56	88	12	48	3	169
11	5	2	13	172	24	171	56	63	8	34	3	44
13	6	6	17	133	25	260	46	354	20	14	123	17
12	2	4	17	67	17	136	36	101	25	14	112	8
14	1	2	19	41	19	76	37	68	36	17	44	6
15	2	4	13	19	20	63	26	54	3	20	10	6
16	2	3	13	107	23	44	32	42	33	19	18	7
17	2	8	17	188	6	22	33	37	25	5	5	14
18	4	1	8	72	10	42	119	26	24	4	9	6
19	5	9	12	52	19	30	231	22	24	5	25	6
20	3	4	17	43	105	25	85	40	22	5	6	6
21	1	6	14	31	134	43	83	28	33	5	5	6
22	4	7	23	27	157	21	78	31	14	6	7	12
23	8	9	108	19	93	8	78	16	22	5	5	18
24	47	9	57	23	64	27	50	45	16	5	3	13
25	18	5	31	160	44	29	42	77	18	6	5	8
26	11	9	22	145	27	34	36	57	23	5	74	8
27	15	8	15	61	26	68	30	38	32	4	63	8
28	2	7	82	30	39	68	29	46	45	4	34	6
29	8	2	44	18	45	52	29	28	29	5	8	13
30	6	30	29	16	.....	80	34	36	58	6	21	102
31	22	.....	75	26	.....	43	.....	48	.....	6	7	.....
1924-25												
1	194	6	25	10		80	30	34		5.8	10	7.6
2	45	2	7	11		220	31	25		6.9	6.8	6.5
3	35	7	7	9.2	16	98	30	17		6.0	6.4	6.1
4	14	7	9	11		39	23	20		1.7	5.4	6.6
5	10	7	13	12		35	20	16		2.0	5.3	3.2
6	15	9	86	13	18	35	21	15	8	6.6	5.3	1.9
7	12	6	50	10	29	36	19	15		7.0	5.2	4.7
8	15	6	30	11	48	33	16	13		8.4	5.3	7.0
9	15	2	60	10	78	30	15	9		6.8	6.0	6.4
10	13	7	32	12	294	27	21	10		8.8	23	6.8
11	9	9	15	11	497	26	60	26		5.5	6.5	5.5
12	4	7	17	13	496	26	33	47	8.4	1.9	5.0	3.3
13	7	7	14	12	210	24	28	26	8.7	6.5	3.4	2.1
14	11	7	11	12	114	24	22	18	1.7	5.2	4.7	5.7
15	12	3	20	12	112	20	81	17	7.2	2.6	4.8	10
16	9	2	10	12	125	21	49	13	8.0	6.0	3.5	15
17	11	5	11	24	91	30	30	9	7.2	6.5	5.0	15
18	8	9	12	28	71	44	26	14	7.1	3.8	4.7	7.3
19	2	7	11	25	55	85	21	12	5.9	1.5	5.3	6.0
20	12	6	11		54	54	27	11	1.9	5.9	7.5	3.1
21	11	7	9	15	48	34	19	10	1.1	6.2	9.7	3.9
22	9	17	8		51	25	18		5.5	4.0	11	5.5
23	7	24	8		57	26	18		7.3	2.1	7.2	5.0
24	6	30	27		53	21	13		3.9	3.1	8.6	7.2
25	5	22	52	12	40	20	12		1.9	3.4	8.5	6.8
26	2	7	32	15	74	19	11	12	3.4	3.6	8.0	6.9
27	7	8	26		52	21	16		2.3	5.1	7.2	2.4
28	8	12	11		44	85	14		1.2	2.7	6.1	3.5
29	7	14	11	16	.....	49	20		3.5	3.2	4.7	3.1
30	8	26	10		.....	45	25		6.0	3.9	1.9	3.1
31	6	.....	11		.....	42	.....		.....	7.1	4.9	.....

Daily discharge, in second-feet, of Lawrence Brook at Patricks Corner, for the years ending September 30, 1922-1927—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	2.9	10	18	7.0	80	96	49	13	13	5.0	2.5	5.8
2	3.7	14	17	7.4	33	109	30	9.3	23	4.0	3.6	14
3	3.8	16	96	6.2	37	83	29	13	16	9.3	3.8	23
4	2.8	9.5	177	7.3	24	51	32	13	9.3	6.2	3.6	16
5	6.2	8.6	84	9.0	12	42	25	15	8.8	2.5	3.6	13
6	6.0	10	50	16	13	37	21	12	7.0	7.4	3.3	228
7	7.1	14	42	18	24	124	20	10	10	4.0	3.6	578
8	8.5	11	30	7.8	15	191	30	7.8	12	7.9	2.4	85
9	4.4	22	29	7.3	10	81	64	5.8	11	7.8	3.2	42
10	4.8	12	12	6.2	11	59	40	8.8	8	12	4.4	31
11	2.6	10	20	6	12	45	23	9.6	6.7	2.3	3.0	22
12	3.8	14	22	6	13	39	17	8.7	9.2	2.6	27	12
13	4.2	153	18	6	14	30	23	9.3	4.3	6.0	302	11
14	3.7	41	13	6.5	23	20	16	11	6.0	6.4	99	8.8
15	6.3	31	8.0	6.8	42	22	16	12	8.4	4.6	60	9.3
16	5.8	49	9.8	6.2	46	23	13	17	7.0	3.8	51	10
17	20	33	19	5.0	55	19	14	67	6.6	4.4	64	11
18	11	22	16	22	52	19	11	28	6.6	2.2	50	8.3
19	9.2	14	7.7	83	170	19	11	19	7.0	5.2	54	5.8
20	7.7	14	7.3	31	161	20	12	29	5.0	3.4	23	7.2
21	7	23	9.5	32	87	22	11	16	6.0	4.6	16	6.8
22	7	11	21	104	57	24	11	10	5.5	3.8	22	7.3
23	8	11	23	48	43	28	9.8	10	10	2.3	42	6.3
24	14	11	12	24	34	40	9.8	11	18	2.9	27	6.3
25	61	13	9.0	16	156	30	37	10	14	2.9	36	8.3
26	48	12	8	12	384	37	26	10	7.7	6.3	40	7.0
27	17	24	7	11	196	50	13	8.3	7.8	5.2	26	9.2
28	16	31	7	12	130	40	12	8.7	8.8	3.0	7.8	7.9
29	16	16	6	12	.....	32	13	5.2	7.4	3.1	10	7.9
30	10	14	7.0	12	.....	26	21	4.6	3.3	5.0	10	8.3
31	10	.....	8.1	16	.....	33	.....	7.1	.....	3.6	5.8	.....

Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.
1926				1926			
1	5.8	150	57	16	7.2	90	34
2	4.4	84	33	17	6.7	120	24
3	4.6	57	27	18	6.8	56	19
4	6.6	30	24	19	16	108	13
5	6.9	24	19	20	45	59	13
6	9.6	23	19	21	20	35	14
7	12	18	19	22	16	30	16
8	9.4	22	19	23	16	27	18
9	7.1	66	20	24	17	26	16
10	4.1	150	23	25	88	23	17
11	5.5	58	23	26	55	34	122
12	7.4	32	22	27	36	82	65
13	7.6	28	23	28	22	36	130
14	7.7	26	42	29	20	25	150
15	6.9	27	54	30	20	72	110
				31	130	.....	100

NOTE.—No gage height record July 25-29, Oct. 14-22, Nov. 4, Dec. 19, 20, 1922, Dec. 7-9, 26, 27, 1924; May 22-31, June 1-11, Oct. 21-23, 1925; June 10, Oct. 22 and Dec. 28-31, 1926. Stage-discharge relation affected by grass, brush, or other obstruction in channel Oct. 1 to Nov. 29, 1923; Apr. 2 to Sept. 30, 1924; May 22 to June 11, 1925. Stage-discharge relation affected by ice Jan. 14, 15, 20-24, 27-31, Feb. 1-5, Dec. 25-29, 1925; Jan. 11-13, 25, 26, 29, Feb. 6, and 10-13, 1926. Discharge for these periods determined by graphic study of gage height records, discharge measurements, weather records, and records of nearby streams.

Monthly discharge of Lawrence Brook at Patricks Corner, for the years ending September 30, 1922-1927.

[Drainage area, 29 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922					
June 21-30	21	7.0	14.1	0.486	0.18
July	100	8.7	31.1	1.72	1.98
August	71	6.1	17.3	.597	.69
September	28	1.7	11.3	.381	.43
1922-23					
October	10	2	6.45	0.222	0.26
November	10	2	6.83	.235	.26
December	52	4	15.5	.534	.62
January	260	19	63.8	2.20	2.54
February	173	8	35.6	1.23	1.28
March	246	27	74.3	2.56	2.95
April	116	8	31.2	1.07	1.19
May	28	3	12.3	.424	.49
June	9	2	4.90	.169	.19
July	11	1	4.77	.164	.19
August	8	1	4.19	.144	.17
September	10	1	4.10	.141	.16
The year	260	1	22.0	.759	10.30
1923-24					
October	47	1	6.42	0.221	0.25
November	30	1	6.93	.239	.27
December	108	8	30.5	1.05	1.21
January	217	16	64.9	2.24	2.58
February	176	6	49.0	1.69	1.82
March	260	8	66.6	2.30	2.65
April	394	26	76.4	2.63	2.93
May	354	16	57.5	1.98	2.28
June	58	8	25.7	.886	.99
July	48	4	14.9	.514	.59
August	123	3	20.4	.703	.81
September	169	3	20.2	.697	.78
The year	394	1	36.6	1.26	17.16
1924-25					
October	194	2	17.1	0.590	0.68
November	30	2	9.60	.331	.37
December	.....	7	21.2	.731	.84
January	28	9.2	14.2	.490	.56
February	497	.....	99.7	3.44	3.58
March	220	19	44.3	1.53	1.76
April	81	111	25.6	.883	.98
May	47	.....	16.0	.552	.64
June	.....	1.1	6.01	.207	.23
July	8.8	1.5	4.83	.167	.19
August	23	1.9	6.67	.230	.27
September	15	1.9	5.91	.204	.23
The year	497	1.1	22.1	.762	10.33
1925-26					
October	61	2.6	10.9	0.376	0.43
November	153	8.6	22.5	.776	.87
December	177	6	26.2	.903	1.04
January	104	5.0	18.7	.645	.74
February	384	10	69.1	2.38	2.48
March	191	19	48.1	1.66	1.91
April	64	9.8	22.0	.759	.85
May	67	4.6	13.5	.466	.54
June	23	3.3	9.11	.314	.35
July	12	2.2	4.83	.167	.19
August	302	2.4	32.6	1.12	1.29
September	578	5.8	40.6	1.40	1.56
The year	578	2.2	26.2	.903	12.25
1926					
October	130	4.1	20.2	0.697	0.80
November	150	18	53.9	1.86	2.08
December	150	13	41.5	1.43	1.65

NAVESINK RIVER BASIN.

Swimming River Near Red Bank.

LOCATION.—At dam of Monmouth Consolidated Water Company (successors to Tintern Manor Water Company) 3 miles above the mouth of Swimming River at Red Bank, Monmouth County.

DRAINAGE AREA.—48 square miles.

RECORDS AVAILABLE.—July 28, 1922, to September 30, 1928.

EQUIPMENT.—Water-stage recorder on right bank 100 feet above end of dam.

CONTROL.—Dam of stone and concrete, with spillway 148 feet long. Crest of spillway was raised 18 inches during October, 1926. There are two 36-inch "blow-off" sluice gates at dam.

EXTREMES OF DISCHARGE.—1922-1928: Maximum discharge over spillway, about 2,590 second-feet (stage, 3.42 feet) at 11:30 P. M. February 25, 1926.

DIVERSIONS AND REGULATION.—Water diverted from dam to Newman Springs pumping station is not included in daily discharge tables for years ending September 30, 1922-1925, but is included in daily discharge after that period. The flow is slightly affected by storage in reservoir; part of monthly table corrected for storage.

CO-OPERATION.—Station maintained in co-operation with and diversion figures furnished by Monmouth Consolidated Water Company, successors to Tintern Manor Water Company.

Daily discharge, in second-feet, of Swimming River near Red Bank, for the years ending September 30, 1922-1928.

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1922				1922				1922			
1	.....	48	71	11	.....	52	38	21	.....	48	28
2	.....	151	59	12	.....	48	41	22	.....	34	28
3	.....	108	52	13	.....	52	41	23	.....	31	25
4	.....	129	52	14	.....	48	34	24	.....	28	22
5	.....	93	55	15	.....	45	34	25	.....	28	25
6	.....	59	48	16	.....	41	28	26	.....	48	19
7	.....	59	41	17	.....	41	28	27	.....	134	25
8	.....	55	41	18	.....	34	28	28	59	129	19
9	.....	55	41	19	.....	31	28	29	59	80	22
10	.....	55	38	20	.....	75	25	30	45	55	25
								31	45	63	.....

Daily discharge, in second-feet, of Swimming River near Red Bank, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	28	25	28	366	72	92	81	90	34	17	28	21
2	36	22	28	342	72	102	79	86	34	14	28	19
3	34	31	25	123	78	92	79	82	51	25	26	18
4	24	34	28	140	79	93	79	78	41	52	24	17
5	20	31	41	108	75	92	86	75	31	140	23	16
6	19	28	38	106	72	88	170	73	25	63	21	16
7	19	31	31	92	69	82	102	71	28	89	20	18
8	34	31	41	90	67	82	92	68	34	41	20	19
9	45	28	45	115	66	80	98	71	31	31	18	35
10	34	25	34	135	65	78	92	75	28	28	15	29
11	34	25	31	92	65	82	89	72	28	108	13	21
12	28	25	34	89	67	115	86	71	28	80	13	19
13	22	25	31	86	76	203	84	71	28	38	20	35
14	25	25	28	80	253	277	86	73	28	28	17	31
15	25	28	34	80	170	124	87	71	25	31	23	24
16	28	38	45	82	91	124	87	67	31	84	24	19
17	28	31	63	76	87	448	85	64	28	25	15	19
18	28	28	89	73	81	161	82	62	25	42	13	19
19	25	28	38	72	75	132	80	62	22	44	11	18
20	25	41	31	73	72	105	77	63	17	43	10	19
21	25	38	41	82	69	100	75	63	17	41	9	41
22	25	28	45	88	67	98	73	36	0	41	12	180
23	28	28	34	88	66	99	71	9	0	41	13	200
24	38	28	34	85	65	153	69	9	7	31	10	140
25	31	25	34	198	66	101	67	40	19	32	9	59
26	25	25	34	105	68	95	66	47	17	31	8	45
27	25	25	34	92	117	92	65	43	19	29	8	38
28	25	28	84	89	198	91	67	43	17	29	9	34
29	25	28	118	85	.....	87	83	39	22	40	26	31
30	25	25	55	80	.....	86	98	38	19	32	37	28
31	25	.....	45	74	.....	84	.....	38	.....	29	26	.....
1923-24												
1	25	52	92	123	75	107	93	145	93	67	31	33
2	25	41	59	80	75	112	108	113	103	67	31	31
3	25	41	55	234	71	107	129	103	98	59	25	30
4	22	41	52	204	75	112	162	98	93	59	22	30
5	22	41	83	103	144	133	145	93	89	55	22	30
6	22	41	206	44	486	149	129	89	84	55	25	31
7	19	48	140	69	162	133	535	89	93	55	13	30
8	19	45	80	61	113	107	229	98	80	52	24	26
9	19	38	67	65	93	97	151	350	103	89	24	31
10	19	34	67	65	89	93	145	284	84	59	22	60
11	22	34	71	117	89	168	129	168	75	52	22	41
12	22	34	67	186	89	388	118	582	80	45	38	31
13	25	38	59	98	83	230	113	328	89	52	84	28
14	25	38	63	84	71	145	108	187	98	55	47	33
15	25	38	63	71	84	123	103	157	123	45	34	31
16	25	38	59	87	71	108	103	145	84	41	31	30
17	22	38	59	330	67	103	98	140	75	38	28	35
18	22	38	55	140	71	98	136	129	71	38	28	53
19	28	38	52	103	67	98	428	121	128	34	27	41
20	38	34	52	93	571	93	193	90	98	34	25	35
21	28	34	55	68	704	93	162	98	84	34	25	33
22	22	34	59	42	206	93	151	147	75	31	24	33
23	52	47	117	65	127	89	187	118	59	45	21	58
24	447	131	113	69	107	89	134	109	55	34	24	47
25	180	67	75	256	107	84	123	248	59	34	25	35
26	71	52	71	161	102	109	113	145	98	34	184	33
27	59	48	67	59	97	145	108	118	71	31	228	31
28	48	45	103	75	97	134	103	123	108	28	70	33
29	48	45	93	82	117	108	108	113	103	25	55	31
30	45	61	71	84	.....	113	151	140	93	22	45	43
31	55	.....	113	80	.....	93	.....	108	.....	25	37	.....

Daily discharge, in second-feet, of Swimming River near Red Bank, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	95	28	34	30		64	74	59	28	26	321	12
2	58	30	26	29		218	82	52	26	18	90	9
3	45	28	31	25		71	74	48	20	16	45	11
4	41	30	31	41	94	70	67	41	20	16	34	12
5	39	30	39	39		67	61	41	18	18	34	11
6	37	31	122	36		70	58	38	16	16	41	9
7	35	33	67	29	147	67	56	38	16	16	34	48
8	35	33	55	38	204	63	54	38	16	28	28	34
9	33	31	45	33	250	60	53	34	18	28	34	20
10	31	36	38	32	496	56	53	38	18	31	31	18
11	30	32	46	37	406	53	53	48	14	88	23	16
12	31	31	38	34	365	53	53	59	12	26	20	16
13	30	31	41	40	177	50	53	45	14	18	20	14
14	28	31	37	32	107	50	56	38	14	16	28	16
15	28	28	24	30	94	45	67	38	16	16	23	18
16	30	26	41	34	98	45	77	38	27	18	20	31
17	30	20	42	60	86	54	74	38	20	40	18	31
18	28	20	42	99	75	89	70	37	16	23	18	20
19	28	26	39	70	64	81	67	36	12		18	18
20	28	28	37	61	68	74	64	32	12		16	16
21	28	28	28	113	68	55	62	28	11	45	23	16
22	26	58	26	99	61	49	60	23	11		28	14
23	28	140	24	59	68	49	58	23	14		23	14
24	30	55	45	38	68	44	57	26	9		23	16
25	28	41	88	47	61	47	56	82	12	28	18	16
26	28	34	36	50	71	47	55	45	16	75	16	12
27	28	31	36	65	64	44	54	31	11	55	14	12
28	30	31	32	37	46	62	26	28	27	31	12	12
29	28	38	24	61	.....	52	0	31	38	26	11	12
30	28	45	29	250	.....	52	3	55	64	20	12	14
31	26	.....	32	251	.....	52	.....	38	.....	42	11	.....
1925-26												
1	20	33	39	35	310	120	111	53	57	27	35	29
2	22	34	39	40	136	165	74	52	55	22	37	64
3	33	33	150	44	77	126	66	49	41	28	32	87
4	32	37	416	47	62	80	91	49	38	26	28	42
5	54	34	198	54	57	72	70	46	40	25	23	40
6	40	40	128	58	67	64	62	47	40	32	23	50
7	32	36	94	51	65	168	62	43	40	33	27	145
8	29	36	76	40	59	267	66	43	41	25	27	75
9	24	47	68	40	45	103	116	40	41	25	26	54
10	24	39	65	44	41	84	82	39	37	20	24	49
11	22	36	57	37	46	80	70	44	31	32	23	42
12	25	42	55	40	56	71	66	39	32	22	37	39
13	24	241	57	27	52	67	62	40	37	24	367	39
14	24	129	53	37	59	60	62	53	36	34	116	34
15	54	60	50	34	110	63	60	71	36	42	124	31
16	44	58	43	37	120	63	56	59	32	133	71	31
17	54	58	39	34	106	60	55	50	33	67	88	34
18	43	46	36	81	97	60	52	49	30	38	83	32
19	34	44	36	181	520	63	53	50	29	71	117	28
20	28	43	39	81	425	78	53	47	26	40	57	31
21	26	39	43	69	148	82	53	43	27	33	47	30
22	25	39	46	181	91	70	50	47	27	32	54	26
23	25	40	46	78	75	74	50	47	40	28	47	30
24	39	37	44	66	65	74	53	40	93	31	47	35
25	89	37	39	55	488	66	100	41	40	55	57	33
26	124	36	40	55	1,070	74	67	38	34	40	68	30
27	90	51	30	52	330	96	60	36	34	30	57	29
28	80	58	36	42	129	74	53	40	32	28	43	34
29	36	39	35	21	.....	67	56	37	27	29	37	39
30	25	40	35	42	.....	62	53	37	27	37	37	38
31	25	.....	35	78	.....	78	.....	40	.....	35	32	.....

Daily discharge, in second-feet, of Swimming River near Red Bank, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	31	46	83	83	56	98	59	48	40	36	88	118
2	31	7	39	69	52	87	70	47	38	34	116	229
3	29	7	36	69	53	70	68	44	36	34	60	122
4	30	23	53	76	57	62	56	43	37	33	48	90
5	25	36	42	94	47	69	53	42	54	33	45	82
6	39	38	37	72	49	71	72	44	47	32	43	80
7	40	38	48	58	52	76	62	42	39	32	42	71
8	32	40	52	38	49	87	50	40	37	33	45	58
9	31	48	53	48	47	87	50	42	36	32	548	58
10	28	135	52	50	47	72	49	45	36	32	184	53
11	31	71	52	44	44	65	48	49	39	38	76	48
12	28	51	47	39	45	65	49	44	36	36	59	66
13		45	49	41	48	64	46	42	35	33	51	71
14		45	61	59	53	69	49	38	38	32	48	65
15		45	78	88	65	72	46	43	67	31	118	64
16		54	53	38	69	65	46	42	41	30	77	
17		138	42	60	61	62	56	38	38	45	52	
18		76	44	60	77	59	56	36	38	53	92	
19		82	40	65	110	56	49	38	49	64	163	
20		63	44	204	98	64	46	44	94	43	77	
21	40	55	48	262	83	68	44	40	59	38	65	
22		49	50	159	76	79	106	36	43	34	59	
23		47	48	114	79	65	69	37	44	689	63	50
24		47	42	94	114	61	57	38	37	454	85	
25		44	61	76	141	58	50	101	37	92	86	
26		49	177	64	340	58	44	93	37	62	72	
27		97	87	38	190	61	51	72	35	48	77	
28		64	343	53	114	61	70	49	33	45	145	
29		55	598	106	.....	65	53	42	35	43	213	
30		82	148	110	.....	58	48	42	36	43	130	
31	.....	90	71	.....		65	.....	39	.....	48	93	.....
1927-28												
1		95	101	139	114	130	105	143	64	90	82	79
2		91	128	123	110	121	94	130	62	82	82	68
3		123	290	111	94	114	90	118	55	78	80	81
4		263	148	104	78	109	87	110	58	72	72	85
5		173	200	99	133	110	83	106	137	85	90	67
6	75	130	295	95	106	98	83	102	296	544	80	107
7		111	190	95	86	102	76	102	178	260	88	154
8		103	318	94	371	106	86	99	105	121	88	100
9		106	236	94	242	113	76	110	89	99	79	81
10		101	143	90	144	134	70	130	165	99	70	75
11		98	130	90	117	121	79	106	105	116	220	70
12	42	98	149	87	106	139	134	102	89	107	156	66
13	329	94	149	86	94	134	107	88	82	347	108	66
14	170	90	173	89	102	117	87	84	93	407	83	62
15	92	90	139	87	373	106	92	85	239	242	76	58
16	75	90	169	79	177	97	83	84	114	155	71	55
17	122	98	215	83	133	97	78	79	82	124	74	56
18	801	364	144	78	153	136	73	87	76	109	132	52
19	741	188	120	86	154	144	68	94	90	105	93	112
20	382	122	112	130	119	106	68	108	173	175	75	295
21	217	110	111	72	107	93	72	94	108	151	70	150
22	165	102	110	94	94	98	125	84	113	115	71	89
23	141	98	110	106	297	102	247	79	122	201	92	78
24	128	101	104	110	224	89	378	75	117	171	86	70
25	121	102	87	152	114	89	183	69	194	111	71	67
26	112	93	94	134	106	88	130	78	94	99	89	86
27	108	93	91	106	122	82	122	88	84	92	100	76
28	104	127	91	106	127	78	473	89	75	150	82	64
29	103	148	106	84	122	78	270	80	96	120	68	64
30	99	113	130	102	.....	150	168	65	146	88	66	103
31	96	.....	125	114	.....	152	.....	71	.....	81	117	.....

NOTE.—Daily discharge to September 30, 1925, is flow over spillway and through sluice gates only; after that date daily discharge includes flow over spillway, water diverted to pumping station, and discharge through sluice gates. No gage height record Oct. 1-6, 1922; Jan. 17-20, 31, Feb. 1, 2, 5-13, 19-27, Apr. 23-28, May 16-27, 1923; Feb. 1-6, Apr. 5-14, 20-28, July 19-24, Oct. 5-7, 21-24, Dec. 15-25, 1925; Feb. 3-6, and May 16-21, 1926; discharge for these periods determined by graphic study of records, weather records, and records of nearby streams. Dam was partly obstructed by sand bags June 22 to Sept. 21, 1923, and Aug. 7, to Nov. 9, 1924, during these periods a variable correction, based on five discharge measurements, was applied to discharge. Discharge Oct. 13-31, 1926, and Sept. 16 to Oct. 11, 1927, when record of sluice gate opening is missing, determined by study of run-off records of Assunpink Creek at Trenton, Lawrence Brook at Patricks Corner, North Branch of Rancocas Creek at Pemberton, and Millstone River at Blackwells Mills.

Monthly discharge of Swimming River near Red Bank, for the years ending September 30, 1922-1928.

[Drainage area, 48 square miles.]

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1922						
August	151	28	63.1	72.3	1.51	1.74
September	71	19	35.4	43.9	.915	1.02
1922-23						
October	45	19	27.4	34.5	0.719	0.83
November	41	22	28.6	34.4	.717	.80
December	118	25	42.0	47.6	.992	1.14
January	366	72	112	108	2.25	2.59
February	253	65	88.1	92.6	1.93	2.01
March	448	78	121	119	2.48	2.86
April	170	65	84.5	86.0	1.79	2.00
May	90	9	59.7	60.8	1.27	1.46
June	41	0	23.9	30.6	.637	.71
July	140	14	45.1	53.1	1.11	1.28
August	37	8	17.7	24.8	.517	.60
September	200	16	40.9	46.9	.977	1.09
The year	448	0	57.6	61.4	1.28	17.37
1923-24						
October	447	19	49.2	55.9	1.16	1.34
November	131	34	45.1	47.5	.990	1.10
December	206	52	78.6	78.8	1.64	1.89
January	330	42	110	110	2.29	2.64
February	704	67	149	149	3.10	3.34
March	388	84	124	124	2.58	2.97
April	535	93	156	156	2.25	3.63
May	582	89	161	162	3.37	3.88
June	128	55	88.2	95.8	2.00	2.23
July	89	22	45.0	53.6	1.12	1.29
August	228	13	43.3	53.4	1.11	1.28
September	60	26	35.6	44.1	.919	1.03
The year	704	13	90.2	94.0	1.96	26.62
1924-25						
October	95	26	33.8	39.9	0.831	0.96
November	140	20	36.1	42.0	.875	.98
December	122	24	41.1	43.1	.898	1.04
January	251	25	61.3	62.3	1.30	1.50
February	496	46	132	132	2.75	2.86
March	218	44	63.0	62.9	1.31	1.51
April	82	0	56.6	56.6	1.18	1.32
May	82	23	40.2	43.2	.900	1.04
June	64	9	18.9	29.6	.617	.69
July	.....	16	32.4	42.8	.892	1.03
August	321	11	35.1	42.8	.892	1.03
September	48	9	17.3	24.6	.512	.57
The year	496	0	46.8	51.3	1.07	14.53

Monthly discharge of Swimming River near Red Bank, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
1925-26						
October	124	20	40.2	40.3	0.840	0.97
November	241	33	51.4	51.5	1.07	1.19
December	416	30	69.9	69.8	1.45	1.67
January	181	21	57.5	57.9	1.21	1.40
February	1,070	41	175	175	3.65	3.80
March	267	60	88.1	88.0	1.83	2.11
April	116	50	66.1	65.9	1.37	1.53
May	71	36	45.5	45.5	.948	1.09
June	93	26	37.8	37.6	.783	.87
July	133	20	36.9	37.0	.771	.89
August	367	23	61.0	61.0	1.27	1.46
September	145	26	43.3	43.4	.904	1.01
The year	1,070	20	63.7	63.7	1.33	17.99
1926-27						
October	.....	.....	36.6	36.6	0.762	0.88
November	138	7	55.9	60.1	1.25	1.40
December	598	36	87.0	87.1	1.81	2.09
January	262	38	80.7	80.4	1.67	1.92
February	340	44	82.7	82.9	1.73	1.80
March	98	56	68.4	68.4	1.42	1.64
April	106	44	55.7	55.5	1.16	1.29
May	101	36	46.5	46.5	.969	1.12
June	94	33	42.4	42.4	.883	.99
July	689	30	75.2	75.4	1.57	1.81
August	548	42	101	101	2.10	2.42
September	229	.....	67.5	67.5	1.41	1.57
The year	689	.....	66.6	66.9	1.39	18.93
1927-28						
October	801	.....	160	160	3.33	3.84
November	364	90	124	124	2.58	2.88
December	318	87	152	152	3.17	3.66
January	152	72	101	101	2.10	2.42
February	373	78	149	149	3.10	3.34
March	152	78	111	111	2.31	2.66
April	473	68	130	130	2.71	3.02
May	143	65	94.8	94.8	1.97	2.27
June	296	55	117	117	2.44	2.72
July	544	72	155	155	3.23	3.72
August	220	66	90.7	90.7	1.89	2.18
September	295	52	87.9	87.9	1.83	2.04
The year	801	.....	123	123	2.56	34.75

NOTE.—Observed discharge for 1922-1925 is flow over spillway and through sluice gates only; after October 1, 1925, observed discharge is sum of flow over spillway, water diverted to pumping station, and discharge through sluice gates. Storage correction negligible for year ending Sept. 30, 1928. No correction made for evaporation.

MULLICA RIVER BASIN.

Batsto River at Batsto.

LOCATION.—300 feet downstream from highway bridge at Batsto, Burlington County, and one mile upstream from confluence with Mullica River.

DRAINAGE AREA.—70 square miles.

RECORDS AVAILABLE.—October 1, 1927, to September 30, 1928.

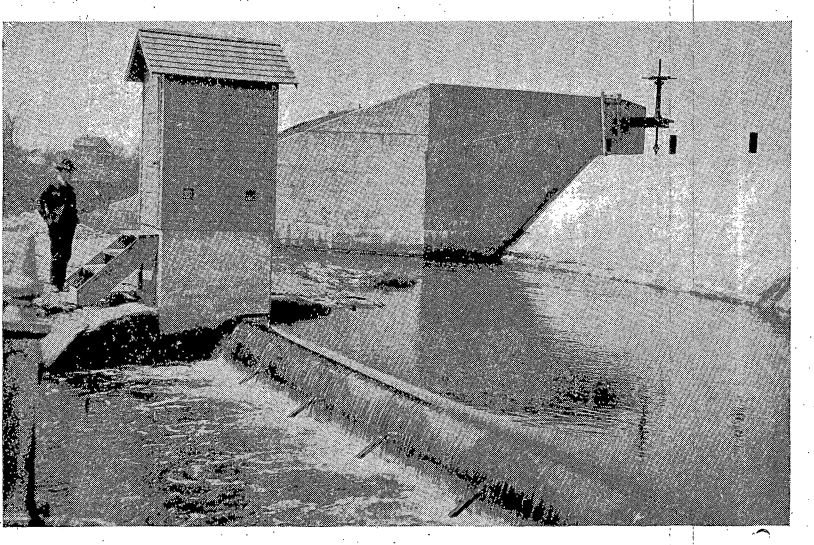
EQUIPMENT.—Water-stage recorder on right bank 300 feet downstream from highway bridge.

CHANNEL AND CONTROL.—Channel is of sand. The control, which is 50 feet downstream from gage, is a wooden sill 6 inches wide and 12 inches high near upstream edge of concrete apron 6 feet wide. The control is affected by backwater for short periods during high tides, these periods are easily recognized from the appearance of the gage height graph.

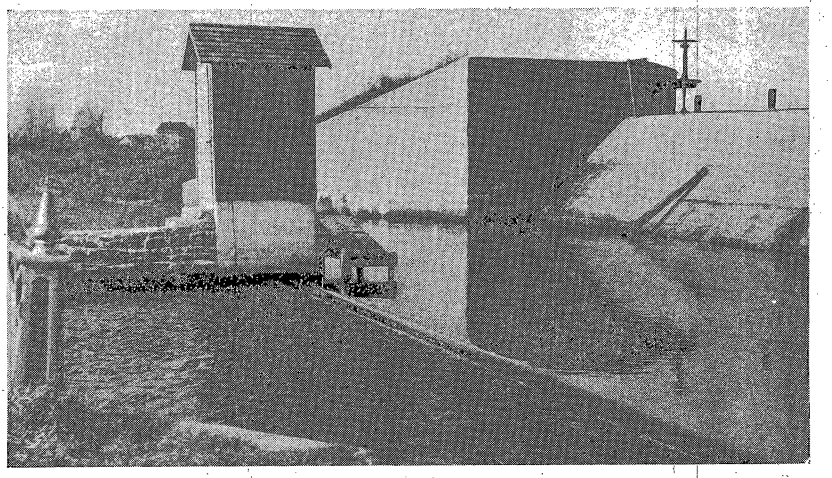
Daily discharge, in second-feet, of Batsto River at Batsto, for the year ending September 30, 1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	74	151	112	123	118	159	123	301	118	141	82	129
2	72	161	107	123	112	147	118	245	118	147	78	124
3	70	99	123	118	112	141	129	217	112	135	72	141
4	71	115	159	112	107	140	123	178	107	135	65	124
5	76	126	197	107	123	130	123	165	112	129	76	124
6	79	142	252	92	135	130	107	153	129	112	76	159
7	72	142	281	97	159	130	102	141	135	102	70	195
8	70	136	266	107	197	130	102	135	135	97	65	301
9	86	136	252	107	252	130	97	141	135	97	72	273
10	102	122	266	102	296	129	97	141	153	97	75	231
11	125	116	224	118	281	135	107	147	204	102	82	204
12	153	118	210	147	266	159	107	141	245	97	144	144
13	164	114	224	107	238	141	107	141	231	92	129	141
14	170	111	224	107	197	141	107	172	165	97	129	135
15	198	135	165	107	210	147	112	135	178	124	118	147
16	186	105	171	102	252	135	112	129	147	159	97	129
17	186	86	153	102	252	135	107	124	129	165	102	124
18	220	118	153	97	266	153	102	129	124	135	112	112
19	268	135	147	97	252	165	97	141	112	112	141	241
20	304	159	147	97	238	184	92	153	107	97	147	243
21	304	150	141	112	210	178	97	172	102	92	118	280
22	268	140	135	107	184	165	123	217	107	97	97	285
23	232	140	129	97	197	153	178	273	112	97	92	236
24	232	130	129	107	197	141	296	301	129	92	92	204
25	220	120	123	107	224	141	356	245	159	87	92	133
26	186	110	112	107	224	123	326	204	135	87	112	136
27	164	110	107	112	210	123	281	191	124	82	147	124
28	142	110	107	107	178	118	326	178	107	95	153	112
29	127	112	102	107	159	118	361	159	102	97	165	101
30	148	112	112	112	.....	118	331	147	112	97	165	129
31	153	.....	123	118	.....	112	.....	141	.....	87	140	.....

NOTE.—Daily discharge includes flow of 6 second-feet down tailrace on left bank. Daily discharge Nov. 21, to 28, and Mar. 4, to 8, determined by graphic study of daily discharge record, precipitation record, and record of Great Egg Harbor River at Folsom.



(a) *Low tide.*



(b) *High tide.*

Control for gaging station on Absecon Creek near Absecon.

Monthly discharge of Batsto River at Batsto, for the year ending September 30, 1928.

[Drainage area, 70 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	304	70	159	2.27	2.62
November	161	86	125	1.79	2.00
December	281	102	166	2.37	2.73
January	147	92	108	1.54	1.78
February	296	107	202	2.89	3.12
March	184	112	140	2.00	2.31
April	361	92	162	2.31	2.58
May	301	124	176	2.51	2.89
June	245	102	136	1.94	2.16
July	165	82	109	1.56	1.80
August	165	65	107	1.53	1.76
September	301	101	172	2.46	2.74
The year	361	65	147	2.10	28.49

ABSECON CREEK BASIN.

Absecon Creek at Absecon.

LOCATION.—At dam of Atlantic City Water Department, one mile west of Absecon, Atlantic County, and 3 miles above mouth.

DRAINAGE AREA.—16.6 square miles.

RECORDS AVAILABLE.—December 1, 1923, to September 30, 1928.

EQUIPMENT.—Water-stage recorder at right end of measuring weir to measure flow over dam, through sluice gates, and leakage. Water-stage recorder in reservoir and water-stage recorder on pipe line to pumping station. The last two recorders indicate flow in pipe line.

CONTROL.—Wooden weir 48.5 feet long and 2.5 feet high with 2-inch plank crest, 30 feet below reservoir spillway. The weir is submerged for a few hours each day at high tide, but the periods of submergence are easily recognized from the appearance of the gage height graph.

DIVERSIONS AND REGULATION.—Water diverted to pumping station included in daily discharge tables. Flow is regulated by storage in the reservoir. Part of monthly discharge tables corrected for storage.

CO-OPERATION.—Stations installed and maintained in co-operation with Atlantic City Water Department, Mr. L. Van Gilder, Superintendent, and Mr. Frank Trumbore, Chief Engineer.

Daily discharge, in second-feet, of Absecon Creek at Absecon, for the years ending September 30, 1924-1928

Day	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24										
1	26	17	46	32	34	59	43	41	28	27
2	29	23	44	32	47	49	49	41	29	25
3	22	47	41	41	46	41	49	41	28	25
4	25	37	41	40	36	43	53	39	28	24
5	35	36	23	36	30	38	42	39	27	23
6	38	18	22	37	41	43	43	38	26	26
7	36	16	16	35	63	41	44	38	26	23
8	36	16	17	34	66	42	43	36	25	22
9	31	17	15	31	59	58	53	36	23	20
10	31	29	18	31	51	70	51	35	24	27
11	30	30	18	40	46	69	47	33	23	24
12	21	43	25	47	46	62	49	31	29	23
13	22	33	35	55	45	35	59	34	31	24
14	18	21	35	54	47	50	66	36	31	27
15	15	13	23	49	26	55	62	30	28	27
16	26	13	18	44	14	34	57	34	26	26
17	24	16	17	46	12	23	51	40	24	33
18	18	17	18	36	14	24	49	36	28	39
19	12	17	33	41	15	65	43	32	24	32
20	13	43	41	39	19	63	32	30	24	27
21	13	41	54	42	19	55	29	28	24	25
22	25	17	56	45	20	70	34	29	24	26
23	32	16	55	39	39	57	33	36	25	38
24	36	33	53	45	46	41	38	31	24	30
25	32	57	51	39	51	59	41	30	24	41
26	28	35	49	43	37	41	37	31	42	65
27	22	18	48	45	40	26	37	29	48	62
28	32	47	48	38	40	41	40	28	36	54
29	21	26	38	46	43	53	41	29	30	58
30	15	17	.....	43	38	55	42	29	28	50
31	16	29	.....	43	.....	40	.....	29	25	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	50	27	24	18	28	21	17	18	19	16	20	20
2	48	24	17	15	28	31	17	19	18	15	21	20
3	44	16	14	29	24	26	17	18	17	18	21	20
4	38	16	15	24	21	20	17	19	16	19	21	20
5	35	21	13	34	21	23	17	19	17	18	21	20
6	40	24	26	33	21	23	17	19	19	18	21	19
7	33	19	32	32	21	22	18	20	17	17	22	20
8	28	20	26	28	21	23	18	19	17	15	22	19
9	25	19	23	22	22	23	17	19	16	16	22	19
10	24	20	19	21	22	23	17	19	18	17	23	18
11	24	20	16	22	26	37	18	19	18	18	22	18
12	24	19	16	22	32	46	18	19	17	17	22	18
13	25	19	16	23	32	34	19	19	18	19	22	18
14	21	19	17	23	28	24	18	19	16	18	23	16
15	20	19	14	23	24	21	18	20	18	17	23	16
16	17	21	17	23	25	22	18	19	17	17	23	16
17	16	24	18	23	24	24	18	19	16	17	22	16
18	15	21	20	23	25	27	18	19	17	18	22	16
19	18	17	21	23	24	24	17	19	16	18	21	17
20	20	16	18	28	24	21	18	19	17	19	21	16
21	21	18	16	34	23	20	18	19	16	19	19	16
22	21	22	16	32	22	19	18	21	17	19	20	16
23	19	34	17	31	23	20	19	18	16	18	20	14
24	20	36	24	26	23	18	18	17	18	19	20	14
25	21	36	31	25	22	16	18	18	15	20	20	16
26	20	30	33	26	22	16	18	18	17	18	20	16
27	21	22	26	24	22	16	19	19	17	19	20	14
28	21	23	20	19	21	16	18	18	14	18	21	15
29	21	23	18	17	.....	16	18	17	17	18	21	15
30	23	23	22	22	.....	16	19	19	15	18	20	14
31	27	.....	23	26	.....	16	.....	19	.....	16	20	.....

Daily discharge, in second-feet, of Absecon Creek at Absecon, for the years ending September 30, 1924-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	14	20	18	13	27	21	27	18	19	23	23	24
2	11	23	18	13	27	23	23	19	20	21	24	24
3	12	15	20	14	25	24	23	21	22	21	24	23
4	9.0	26	20	16	32	24	28	25	20	22	24	23
5	13	23	13	16	23	22	23	18	20	22	24	23
6	13	20	11	15	28	22	21	19	19	22	25	25
7	14	17	13	15	25	24	21	19	21	23	24	23
8	16	13	13	15	24	29	21	20	23	23	24	23
9	15	21	13	16	23	34	25	20	25	23	25	23
10	17	18	14	16	24	22	23	18	24	24	25	22
11	14	18	17	16	24	22	23	22	22	23	25	23
12	14	16	17	15	20	22	23	20	21	24	25	23
13	14	26	16	15	19	24	21	17	19	22	25	22
14	14	26	16	15	22	24	23	16	22	20	24	22
15	15	21	15	16	25	22	27	19	22	22	24	22
16	15	24	15	15	26	21	23	27	21	44	24	22
17	16	21	14	15	25	24	27	48	21	37	24	22
18	14	16	15	15	24	21	21	42	22	28	23	21
19	15	18	12	17	27	21	18	29	21	28	24	21
20	15	19	10	17	29	21	20	29	20	24	25	22
21	17	17	12	17	26	22	17	21	21	24	24	22
22	26	14	13	28	26	21	18	22	20	25	24	22
23	26	11	9.4	18	27	21	18	28	16	25	25	21
24	19	14	13	16	24	25	17	22	18	25	24	21
25	17	15	10	17	24	21	19	23	19	25	23	21
26	30	14	13	16	33	21	20	22	18	26	23	20
27	28	17	18	17	28	23	18	20	22	25	24	21
28	25	17	13	16	26	24	17	20	24	25	24	20
29	24	17	13	14	.....	21	21	22	24	24	24	20
30	22	18	13	14	.....	21	19	20	24	23	23	20
31	22	.....	13	18	.....	21	.....	20	.....	23	23	.....
1926-27												
1	21	17	33	30	23	32	18	14	20	20	23	21
2	20	16	20	23	22	27	19	17	19	18	25	22
3	20	17	17	34	23	24	20	16	17	21	24	22
4	21	17	15	34	22	27	20	14	17	24	22	24
5	21	17	17	32	22	32	21	14	24	23	22	24
6	21	19	28	31	23	27	18	13	24	21	23	23
7	20	16	34	26	25	33	15	14	17	19	23	22
8	20	17	25	30	26	26	12	15	18	18	22	23
9	21	17	17	27	24	26	13	14	19	19	21	23
10	20	18	21	34	22	25	13	14	20	17	22	22
11	20	18	21	28	23	21	12	16	22	19	21	22
12	21	22	23	26	23	16	14	42	19	19	22	23
13	20	28	25	24	23	23	14	45	21	20	22	22
14	20	27	29	27	30	30	14	35	20	20	21	22
15	19	35	27	26	29	28	14	27	32	19	22	21
16	20	36	24	23	26	25	14	29	23	21	21	21
17	19	44	20	32	25	24	14	25	20	22	22	22
18	18	46	22	34	28	24	14	24	20	20	21	21
19	18	41	20	28	23	25	14	19	16	17	20	21
20	18	54	20	28	25	25	13	25	28	19	22	20
21	18	40	25	32	41	20	14	26	25	20	22	21
22	19	38	26	27	41	16	16	26	21	21	22	21
23	18	22	25	24	38	15	13	26	22	20	21	20
24	16	15	26	27	34	16	13	21	21	29	23	18
25	18	15	23	25	34	17	13	18	20	30	22	15
26	18	16	31	21	28	17	12	26	20	26	21	17
27	17	29	37	19	28	17	12	26	21	24	21	19
28	18	32	41	21	35	17	14	20	20	23	20	19
29	17	21	56	23	.....	18	14	18	20	22	20	19
30	17	28	49	23	.....	18	16	18	18	22	21	20
31	16	.....	40	29	.....	18	.....	15	.....	22	21	.....

Daily discharge, in second-feet, of Absecon Creek at Absecon, for the years ending September 30, 1924-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	20	25	33	25	23	31	24	45	29	28	23	25
2	22	25	29	25	22	27	24	42	30	28	23	26
3	20	26	45	25	22	30	24	36	29	27	23	23
4	22	27	48	26	23	23	25	37	30	27	24	24
5	23	25	48	26	27	32	24	39	37	26	25	22
6	23	26	37	26	31	24	24	35	37	29	25	22
7	23	26	32	25	30	23	24	33	34	27	24	34
8	22	24	37	25	38	24	25	33	30	27	25	34
9	22	24	39	26	48	26	24	43	29	27	26	30
10	22	24	27	26	40	33	22	45	38	27	25	28
11	22	24	17	26	32	31	25	41	33	28	23	27
12	22	24	18	27	30	35	30	39	33	28	23	27
13	24	24	19	27	28	32	30	29	31	28	40	26
14	25	24	19	27	32	33	25	26	32	27	43	26
15	24	24	20	26	47	31	31	28	39	29	36	25
16	24	24	20	25	39	27	23	30	32	28	36	25
17	24	23	20	25	33	29	22	30	30	27	38	25
18	34	25	20	25	40	36	22	31	29	27	40	30
19	44	42	21	27	36	39	22	33	29	25	33	67
20	48	52	21	29	35	32	23	44	28	25	27	79
21	44	58	21	28	24	32	22	44	27	25	26	53
22	36	61	21	25	26	26	30	40	28	26	26	45
23	30	61	21	26	32	29	41	37	28	26	26	35
24	28	52	21	21	36	25	48	35	29	27	26	35
25	27	41	22	23	31	27	39	30	29	26	25	31
26	26	27	23	22	27	28	31	34	27	26	25	32
27	26	16	24	21	26	34	28	32	27	25	25	27
28	26	18	27	21	25	24	68	32	26	25	24	28
29	26	18	25	22	26	24	64	34	26	26	25	27
30	25	17	26	23	.....	26	44	31	28	25	25	35
31	25	.....	26	23	.....	35	.....	33	.....	23	25	.....

NOTE.—These tables include the flow over measuring weir, through pipe line, and 0.3 second-foot diverted to duck farm. Discharge down the stream Dec. 1, 1923, to Feb. 18, 1924, while measuring weir was being erected, was computed by studying the openings of 30-inch waste gate and the reservoir gage heights. Discharge over measuring weir Apr. 3-6, 1926; Jan. 4-6, and July 8-13, 1928, estimated. Discharge through pipe line Jan. 15, 26-29, Feb. 14, Apr. 18, 25-30, May 1-4, 11, Aug. 2-9, 1924; Feb. 21 to Mar. 4, Dec. 28, 1925; Feb. 5, Oct. 7-9, 28, Dec. 3-5, 18-21, 1926; Jan. 8-25, Mar. 3-6, Apr. 9-16, May 20 to July 7, and Aug. 3-5, Oct. 8-22, Nov. 7-12, Dec. 20, 30, 31, 1927; Jan. 20-22, Mar. 17, 23, 24, 30, 31, Apr. 15-21, and Aug. 8, 1928, when one or the other of the recorders was not working properly, determined by study of gage height graphs made by the recorder that was operating and the hydrograph of flow through pipe line.

Monthly discharge of Absecon Creek at Absecon, for the years ending September 30, 1924-1928.

[Drainage area, 16.6 square miles.]

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1923-24						
December	38	12	25.0	25.6	1.54	1.78
January	57	13	27.0	28.3	1.70	1.96
February	56	15	34.4	32.1	1.93	2.08
March	55	31	40.9	39.7	2.39	2.76
April	66	12	37.7	50.2	3.02	3.37
May	70	23	48.5	48.1	2.90	3.34
June	66	29	45.2	45.2	2.72	3.04
July	41	28	33.8	33.5	2.02	2.33
August	48	23	27.8	27.6	1.66	1.91
September	65	20	32.4	26.4	1.59	1.77
The period	70	12	35.3	35.7	2.15	24.34
1924-25						
October	50	15	25.8	21.5	1.30	1.50
November	36	16	22.3	22.4	1.35	1.51
December	33	13	20.3	21.9	1.32	1.52
January	34	15	24.9	26.5	1.60	1.84
February	32	21	24.0	22.9	1.38	1.44
March	46	16	22.7	22.1	1.33	1.53
April	19	17	17.8	20.3	1.22	1.36
May	21	17	18.8	18.4	1.11	1.28
June	19	14	16.9	15.1	.910	1.02
July	20	15	17.7	18.6	1.12	1.29
August	23	19	21.2	21.8	1.31	1.51
September	20	14	17.1	15.2	.916	1.02
The year	50	13	20.8	20.6	1.24	16.82
1925-26						
October	30	9	17.3	15.5	0.934	1.08
November	26	11	18.5	18.5	1.11	1.24
December	20	9.4	14.2	21.0	1.27	1.46
January	28	13	16.0	19.7	1.19	1.37
February	33	19	25.5	25.0	1.51	1.57
March	34	21	22.8	22.7	1.37	1.58
April	28	17	21.5	21.9	1.32	1.47
May	48	16	22.8	22.4	1.35	1.56
June	25	16	21.0	20.9	1.26	1.41
July	44	20	24.7	23.6	1.42	1.64
August	25	23	24.1	22.9	1.38	1.59
September	25	20	22.0	19.4	1.17	1.30
The year	48	9.0	20.8	21.1	1.27	17.27
1926-27						
October	21	16	19.0	18.9	1.14	1.31
November	54	15	25.9	21.6	1.30	1.45
December	56	15	27.0	26.4	1.59	1.83
January	34	19	27.4	27.3	1.64	1.89
February	41	22	27.4	28.7	1.73	1.80
March	33	15	22.9	24.7	1.49	1.72
April	21	12	14.8	22.2	1.34	1.50
May	45	13	21.7	21.4	1.29	1.49
June	32	16	20.8	20.4	1.23	1.37
July	30	17	21.1	21.9	1.32	1.52
August	25	20	21.8	21.1	1.27	1.46
September	24	15	21.0	18.4	1.11	1.24
The year	56	12	22.5	22.7	1.37	18.58
1927-28						
October	48	20	26.7	28.8	1.73	1.99
November	61	16	30.2	22.3	1.34	1.50
December	48	17	26.7	32.7	1.97	2.27
January	29	21	25.0	27.3	1.64	1.89
February	48	22	31.3	32.0	1.93	2.08
March	39	23	29.3	29.0	1.75	2.02
April	68	22	30.3	31.1	1.87	2.09
May	45	26	35.5	35.1	2.11	2.43
June	39	26	30.5	30.3	1.83	2.04
July	29	23	26.6	25.4	1.53	1.76
August	43	23	27.7	28.4	1.71	1.97
September	79	22	32.5	33.5	2.02	2.25
The year	79	16	29.3	29.6	1.78	24.29

NOTE.—Observed discharge is flow over measuring weir, through pipe line, and to duck farm. No correction made for evaporation.

GREAT EGG HARBOR RIVER BASIN.

Great Egg Harbor River at Folsom.

LOCATION.—At highway bridge, 1 mile south of Folsom, Atlantic County, 2 miles above mouth of Penny Pot Stream.
DRAINAGE AREA.—56 square miles.
RECORDS AVAILABLE.—September 8, 1925, to September 30, 1928.
EQUIPMENT.—Water-stage recorder on right bank 15 feet upstream from bridge.
CHANNEL AND CONTROL.—Sand; not permanent.
EXTREMES OF DISCHARGE.—1925-1928: Maximum stage during period from water-stage recorder, 5.23 feet on April 29 and 30, 1928 (discharge, 195 second-feet); minimum discharge, 26 second-feet at 3:00 P. M. August 4, 1926 (stage 2.59 feet).

Daily discharge, in second-feet, of Great Egg Harbor River at Folsom, for the years ending September 30, 1925-1928.

Day	Sept.	Day	Sept.	Day	Sept.
1925		1925		1925	
1		11	37	21	33
2		12	37	22	33
3		13	35	23	33
4		14	37	24	33
5		15	40	25	33
6		16	40	26	31
7		17	37	27	31
8	40	18	37	28	31
9	37	19	35	29	31
10	37	20	35	30	29

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	29	66	64	47	77	140	83	80	52	50	40	34
2	31	76	64	47	89	140	89	64	57	36	40	36
3	33	76	72	47	95	127	80	57	52	36	38	40
4	40	88	80	47	107	120	80	54	47	40	36	40
5	56	82	89	50	114	101	80	52	52	47	34	38
6	56	71	95	54	114	89	74	54	54	64	34	38
7	51	68	89	54	101	80	72	64	50	80	34	57
8	61	66	83	50	95	95	74	52	52	95	36	62
9	56	68	77	52	89	101	95	52	52	70	32	57
10	51	74	72	54	80	107	114	52	50	57	30	64
11	44	74	67	52	80	114	120	61	44	42	30	67
12	42	71	67	52	83	120	120	54	44	42	28	57
13	44	88	64	50	77	101	114	62	42	40	28	52
14	42	107	62	50	74	89	101	54	40	42	30	44
15	48	120	60	47	89	77	89	64	40	52	57	38
16	53	133	57	47	107	77	80	77	40	74	52	36
17	56	133	54	47	120	72	67	101	40	83	57	36
18	56	133	54	52	127	70	72	127	40	74	57	36
19	53	127	52	70	133	70	62	140	38	77	60	36
20	51	114	52	77	140	70	60	140	38	72	54	34
21	48	101	54	83	146	72	62	127	36	62	47	34
22	46	83	54	95	146	77	60	95	36	54	57	34
23	46	74	57	107	146	83	57	74	52	47	62	34
24	46	70	54	114	140	72	57	64	60	44	54	36
25	61	67	52	107	133	67	74	62	57	42	52	40
26	71	64	52	101	133	72	89	57	52	42	62	36
27	74	64	52	83	133	77	89	54	50	44	62	32
28	76	70	52	74	140	80	83	54	44	44	52	32
29	74	70	50	67	.....	80	74	52	42	42	44	34
30	68	67	50	64	.....	74	80	50	40	40	40	47
31	64	.....	47	64	.....	70	.....	50	.....	40	36	.....

Daily discharge, in second-feet, of Great Egg Harbor River at Folsom, for the years ending September 30, 1925-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	38	44	89	160	83	140	72	67	47	34	47	140
2	38	50	89	153	89	127	74	64	40	34	54	114
3	52	52	83	140	77	114	80	60	38	34	54	107
4	38	50	72	127	74	101	74	57	47	34	50	101
5	36	47	64	107	72	89	72	57	42	30	44	89
6	38	44	62	89	67	77	74	60	42	32	42	70
7	40	42	60	89	67	72	72	62	44	34	40	60
8	38	42	60	74	67	72	64	60	47	32	38	54
9	36	47	60	67	67	74	64	60	42	30	47	50
10	36	57	60	67	64	72	64	72	40	32	60	47
11	36	60	60	64	64	70	67	67	38	32	50	47
12	36	57	60	62	62	67	62	77	36	32	52	44
13	36	54	62	60	62	64	57	70	36	32	44	42
14	36	52	72	57	62	64	54	67	36	30	47	42
15	36	50	80	62	64	70	57	57	40	30	74	42
16	34	52	83	64	67	67	54	54	38	30	89	42
17	36	89	83	62	67	67	57	54	36	32	95	40
18	36	107	72	62	74	62	57	57	44	34	127	40
19	36	107	62	62	89	60	64	60	42	42	146	47
20	38	114	60	70	107	64	60	70	50	47	160	72
21	42	107	60	80	127	74	52	54	52	40	160	80
22	42	101	60	89	140	89	67	57	67	38	160	77
23	42	80	60	101	140	107	83	54	54	64	146	64
24	40	67	60	101	140	133	95	52	44	107	127	54
25	47	62	60	101	140	133	95	47	38	107	101	50
26	47	62	77	95	140	133	89	52	38	114	80	47
27	47	77	89	80	146	127	80	47	38	107	95	44
28	44	83	107	70	146	107	77	42	34	70	120	42
29	42	83	133	67	.....	83	72	42	36	52	140	42
30	42	80	153	70	.....	72	70	42	34	44	153	42
31	42	.....	160	77	.....	70	.....	54	.....	44	146	.....
1927-28												
1	40	64	64	80	74	107	89	188	77	95	57	101
2	38	62	64	83	74	101	89	181	72	89	52	107
3	38	62	80	80	72	101	77	167	60	120	50	107
4	44	72	95	72	72	101	74	153	57	89	44	101
5	42	80	114	64	83	95	67	133	67	70	42	95
6	44	89	140	60	95	89	72	120	80	67	38	101
7	44	89	153	57	101	83	70	107	95	62	38	133
8	44	89	167	57	120	83	70	101	101	57	40	167
9	62	83	167	57	140	83	67	95	101	52	40	167
10	83	80	167	62	153	95	67	101	107	52	38	167
11	95	77	160	60	160	101	67	101	133	72	44	153
12	101	72	153	60	167	114	74	101	153	72	95	127
13	114	70	146	60	160	127	83	101	153	74	140	101
14	120	67	140	62	153	133	89	89	140	80	160	95
15	133	64	140	67	153	127	89	80	127	107	160	89
16	140	62	127	67	153	120	80	83	114	133	153	77
17	140	62	120	62	160	114	72	89	101	146	146	74
18	133	77	114	62	167	114	67	83	83	140	146	70
19	127	89	114	62	167	114	67	89	70	101	160	89
20	133	89	101	74	167	120	64	95	64	67	153	127
21	146	89	95	77	153	127	64	95	64	60	146	153
22	153	83	89	74	146	127	83	89	64	64	133	160
23	146	74	83	70	140	114	114	83	72	72	114	160
24	140	70	77	67	140	101	153	70	80	67	83	146
25	133	67	74	74	140	95	174	64	83	60	72	127
26	114	62	67	89	140	89	181	70	83	54	89	101
27	89	60	64	89	140	89	174	89	72	52	107	80
28	77	62	62	89	127	83	181	95	60	70	107	72
29	72	64	62	80	120	72	188	107	70	83	107	74
30	70	64	70	83	.....	72	188	89	89	80	101	83
31	67	.....	74	80	.....	80	.....	83	.....	64	95	.....

NOTE.—Daily discharge determined by indirect method, based on periodic discharge measurements. Discharge Mar. 31, Apr. 1, 7, 8, 24-30, and May 1-4, 1927, when gage height record is missing, determined by graphic study of hydrograph and precipitation record.

Monthly discharge of Great Egg Harbor River at Folsom, for the years ending September 30, 1925-1928.

[Drainage area, 56 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1925-26					
October	76	29	52.5	0.937	1.08
November	133	64	85.5	1.53	1.71
December	95	47	62.8	1.12	1.29
January	114	47	64.7	1.16	1.34
February	146	74	111	1.98	2.06
March	140	67	89.8	1.60	1.84
April	120	57	81.7	1.46	1.63
May	140	50	71.0	1.27	1.46
June	60	36	46.4	.829	.92
July	95	36	54.0	.964	1.11
August	62	28	44.4	.793	.91
September	67	32	42.0	.750	.84
The year	146	28	66.8	1.19	16.19
1926-27					
October	52	34	39.6	0.707	0.82
November	114	42	67.3	1.20	1.34
December	160	60	77.8	1.39	1.60
January	160	57	84.8	1.51	1.74
February	146	62	91.6	1.64	1.71
March	140	60	87.8	1.57	1.81
April	95	52	69.3	1.24	1.38
May	77	42	57.9	1.03	1.19
June	67	34	42.0	.750	.84
July	114	30	46.9	.837	.96
August	160	38	90.3	1.61	1.86
September	140	40	61.1	1.09	1.22
The year	160	30	67.9	1.21	16.47
1927-28					
October	153	38	94.3	1.68	1.94
November	89	60	73.1	1.31	1.46
December	167	62	108	1.93	2.22
January	89	57	70.3	1.26	1.45
February	167	72	132	2.36	2.54
March	133	72	102	1.82	2.10
April	188	64	99.8	1.78	1.99
May	188	64	103	1.84	2.12
June	153	57	89.7	1.60	1.78
July	146	52	79.7	1.42	1.64
August	160	38	95.2	1.70	1.96
September	167	70	113	2.02	2.25
The year	188	38	96.6	1.72	23.45

DELAWARE RIVER BASIN.

Delaware River at Port Jervis, N. Y.

LOCATION.—At highway bridge, Port Jervis, Orange County, 1½ miles above mouth of Noversink River and 6 miles below mouth of Mongaup River.

DRAINAGE AREA.—3,070 square miles.

RECORDS AVAILABLE.—October 12, 1904, to September 30, 1928.

EQUIPMENT.—Chain gage on downstream side of left span of bridge, and staff gage in two sections. The upper section of the staff gage is vertical and attached to downstream end of left abutment; the lower section is inclined and 30 feet downstream from bridge.

Water-stage recorder 350 feet downstream from bridge established August 13, 1928.

CHANNEL AND CONTROL.—Channel above and below gage, straight for half a mile. Banks steep. Control, boulder and gravel about half a mile below gage, occasionally shifting.

EXTREMES OF DISCHARGE.—1904-1928:* Maximum discharge recorded, 92,700 second-feet at 8:00 A. M. March 28, 1914 (gage height, 16.0 feet); a stage of 18.5 feet was recorded at 5:00 P. M. March 7, 1923, but stage-discharge relation was affected by backwater from ice. Minimum stage recorded, 0.60 foot at 8:00 A. M. September 22 and 23, 1908 (discharge, 175 second-feet).

REGULATION.—Storage reservoirs on Lackawaxen and Mongaup Rivers above the gage for use of power cause slight diurnal fluctuation.

CO-OPERATION.—Station operated by United States Geological Survey, Albany, New York, in co-operation with State of New York.

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1909									
1	1,000	4,360	12,500	9,830	17,400	2,840	2,190	765	390
2	1,000	3,070	10,200	9,020	31,200	2,840	2,000	765	390
3	1,000	2,840	8,630	7,520	23,900	2,000	1,650	680	330
4	1,200	3,820	8,630	6,140	21,800	1,340	1,490	680	330
5	1,800	3,280	7,520	10,200	23,900	2,610	1,200	680	330
6	39,600	4,360	6,470	7,520	23,900	4,920	960	680	330
7	42,800	15,700	6,140	6,470	20,500	4,920	960	600	330
8	19,200	10,200	6,140	12,100	23,200	4,360	960	525	330
9	12,500	7,520	5,510	10,700	19,200	2,840	960	525	330
10	10,700	6,140	5,510	9,830	11,600	3,310	855	525	330
11	8,630	9,020	19,200	8,250	18,000	3,280	855	600	525
12	7,880	11,100	13,500	6,470	20,500	4,920	680	600	455
13	7,160	7,880	10,700	5,820	14,600	4,360	680	600	390
14	5,510	8,630	9,830	5,280	10,700	6,140	680	525	390
15	4,640	9,830	8,630	23,900	9,020	6,140	680	525	390
16	5,210	12,100	7,880	30,500	9,830	6,140	680	525	390
17	5,820	30,500	6,810	24,600	8,630	5,510	1,080	680	525
18	3,560	23,900	6,140	20,500	7,880	6,470	765	1,080	455
19	2,840	18,600	6,140	19,200	7,160	9,020	765	1,650	390
20	2,610	36,500	5,510	16,800	6,140	6,810	1,080	1,340	330
21	2,610	108,000	4,920	12,500	4,920	6,140	855	1,200	330
22	3,560	30,500	4,640	10,200	5,510	4,920	765	1,080	330
23	3,820	21,200	3,820	9,830	4,920	3,820	960	855	330
24	3,820	21,800	3,310	1,100	4,360	3,310	1,080	855	390
25	18,600	37,300	4,640	9,830	3,310	2,610	1,200	680	390
26	19,200	26,000	23,900	7,880	2,610	2,610	1,200	600	390
27	13,500	18,000	17,400	7,880	3,820	2,610	1,200	600	390
28	10,700	15,700	16,800	7,520	3,820	2,610	960	600	525
29	8,250	.....	14,600	6,810	4,360	2,190	855	525	600
30	6,810	.....	13,000	9,830	3,820	2,190	855	525	525
31	6,140	.....	11,100	.....	3,310	.....	765	390	.....

* During the flood of October 10-11, 1903, a crest stage of 23.3 feet gage height was observed by Mr. Righter, city engineer of Port Jervis. This gage height corresponds to a discharge of about 155,000 second-feet.

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1909-10												
1	455	455	765	.....	4,100	67,300	8,120	12,500	4,670	1,900	590	390
2	390	455	765	.....	3,830	52,500	6,620	7,350	4,100	1,730	665	520
3	390	455	765	.....	3,830	46,000	5,930	6,270	3,830	1,570	590	520
4	390	455	680	.....	3,570	32,700	4,970	8,120	3,570	1,570	590	590
5	275	390	680	.....	3,320	26,800	4,380	8,520	3,320	1,280	665	920
6	275	390	680	.....	2,860	23,900	3,570	8,120	3,320	1,280	520	1,570
7	275	390	600	.....	2,080	28,200	5,600	7,350	5,280	1,280	590	1,570
8	275	390	765	.....	1,420	35,000	6,270	7,350	4,970	1,150	590	1,420
9	275	330	680	.....	2,080	25,300	6,270	4,970	4,380	1,030	665	1,420
10	275	330	600	.....	2,450	18,000	5,280	4,100	3,830	1,030	665	1,030
11	275	330	600	.....	2,500	13,500	4,100	5,930	4,100	920	2,450	920
12	275	275	600	.....	2,500	12,100	4,100	5,280	5,930	920	1,900	825
13	390	275	765	.....	2,500	11,100	4,970	4,670	6,620	920	1,150	740
14	390	275	1,820	.....	2,500	11,100	4,380	4,100	5,930	920	1,030	665
15	525	390	3,310	.....	2,500	10,200	3,570	3,570	4,670	825	825	665
16	525	390	4,090	.....	2,450	8,930	3,570	3,320	4,380	825	665	665
17	455	455	3,560	.....	2,450	8,120	3,320	3,080	4,380	825	590	665
18	390	455	2,840	.....	2,450	6,980	4,100	2,860	5,600	740	520	665
19	330	455	2,200	.....	2,260	5,930	11,100	2,450	5,600	920	590	590
20	330	455	1,700	.....	2,260	5,930	12,500	2,260	5,280	1,280	590	520
21	330	330	1,400	.....	3,320	12,500	10,200	2,860	4,670	1,280	665	520
22	390	330	1,200	38,100	3,830	14,600	9,350	2,860	3,830	740	665	520
23	390	275	1,200	50,100	9,780	13,000	8,250	2,860	3,320	740	590	450
24	390	275	1,000	23,900	8,520	12,100	8,120	2,650	2,650	740	590	450
25	525	680	1,000	15,100	7,730	16,200	7,730	3,570	2,260	665	520	390
26	525	680	1,000	15,100	7,730	20,500	21,800	6,270	1,900	665	450	520
27	525	390	800	8,520	6,270	17,400	37,300	10,200	1,900	590	450	520
28	455	390	800	6,270	7,730	16,200	21,200	7,730	2,080	590	450	825
29	455	765	800	6,270	.....	14,600	15,100	6,980	2,450	520	390	740
30	455	600	700	5,600	.....	10,700	13,500	5,280	2,260	665	390	740
31	390	.....	600	4,100	.....	8,930	.....	4,670	.....	590	390	.....
1910-11												
1	740	450	1,570	3,800	4,970	2,200	18,000	6,620	1,570	2,260	665	4,100
2	665	450	1,420	4,380	2,450	2,300	9,780	6,620	1,570	1,900	665	3,570
3	665	450	1,420	13,000	2,080	2,450	8,120	6,270	1,900	1,730	665	1,730
4	520	665	1,280	27,500	1,900	2,450	7,350	5,600	1,730	1,420	665	1,900
5	450	1,280	1,280	14,600	3,320	2,260	7,730	5,280	1,570	1,420	590	1,570
6	390	1,570	1,280	11,600	4,380	2,080	12,100	4,670	1,900	1,280	665	1,420
7	390	1,570	.....	8,930	3,080	1,570	29,000	4,100	2,650	1,280	740	1,570
8	390	1,420	.....	7,350	2,650	1,570	31,200	3,320	3,080	1,280	740	3,080
9	330	1,570	.....	6,270	2,650	1,280	21,800	3,080	3,080	1,570	740	3,080
10	275	1,730	.....	5,280	3,080	1,570	17,400	2,650	2,650	1,280	920	2,860
11	275	1,570	.....	4,100	3,080	2,450	15,700	2,450	2,860	1,150	825	4,970
12	275	1,420	.....	3,830	2,650	2,450	14,100	2,260	7,350	1,030	665	4,100
13	275	3,320	.....	4,970	2,260	3,570	12,100	2,260	28,200	1,030	590	3,080
14	225	2,650	.....	4,970	2,080	4,970	11,100	2,080	30,500	920	520	3,080
15	225	2,450	.....	11,600	1,730	6,980	19,200	1,900	21,200	825	520	2,650
16	225	2,080	.....	9,000	1,730	6,980	19,800	2,650	14,100	740	520	2,080
17	225	2,080	.....	7,000	1,730	6,620	16,200	2,650	12,100	740	520	2,080
18	225	1,730	.....	5,280	2,450	5,600	12,500	2,260	10,700	825	590	1,900
19	225	1,730	.....	4,380	2,450	4,970	11,600	2,860	8,120	825	590	1,420
20	450	1,570	.....	4,380	2,260	4,970	11,100	2,860	6,270	825	520	1,570
21	450	1,420	.....	4,380	2,650	4,380	17,400	2,650	4,970	920	590	1,420
22	450	1,420	.....	4,100	2,650	5,600	13,500	2,450	4,100	1,150	590	1,150
23	520	1,280	.....	4,100	2,260	7,350	15,700	2,450	4,100	1,150	520	1,280
24	450	1,280	.....	3,570	2,080	6,620	13,000	2,260	3,570	1,280	438	1,280
25	450	1,280	.....	3,080	2,080	6,620	10,700	2,450	3,320	1,150	520	1,110
26	590	1,280	.....	2,260	1,900	6,620	7,730	2,080	4,100	920	740	1,110
27	520	1,570	.....	2,860	2,080	9,780	7,730	2,080	2,650	920	920	1,110
28	520	1,420	.....	3,080	2,080	48,400	6,980	1,900	2,260	825	920	1,110
29	520	1,420	.....	17,400	.....	28,200	6,620	1,570	3,320	825	1,570	1,280
30	450	1,570	.....	10,700	.....	19,800	5,930	1,280	2,860	740	3,830	1,730
31	450	.....	.....	9,350	.....	19,200	.....	1,280	.....	740	4,380	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1911-12												
1	2,260	4,670	7,730	5,440	.....	.....	23,900	15,700	3,320	665	590	1,150
2	3,320	6,270	5,280	5,440	.....	.....	26,000	12,500	3,580	665	520	1,570
3	6,620	5,280	4,970	4,770	.....	.....	44,400	10,700	4,150	590	520	3,580
4	5,280	4,380	4,380	3,860	.....	.....	32,700	8,930	3,320	590	520	3,580
5	4,100	4,380	4,380	3,580	.....	.....	21,800	8,100	3,080	450	450	2,860
6	3,570	3,830	4,100	2,650	.....	.....	16,800	6,530	2,650	590	390	2,860
7	4,100	4,670	4,100	2,260	.....	.....	16,200	7,300	4,150	520	520	2,450
8	6,620	5,280	3,830	1,900	.....	.....	21,800	7,300	3,080	590	520	2,080
9	5,600	4,970	3,830	2,260	.....	.....	23,900	9,780	2,650	520	590	1,900
10	5,280	4,380	3,570	2,260	.....	.....	16,200	9,350	2,260	520	590	1,730
11	4,380	4,100	3,570	2,860	.....	.....	13,500	8,100	2,080	520	3,320	1,420
12	3,830	3,570	3,830	2,860	.....	.....	12,100	7,700	1,900	450	1,900	920
13	4,100	3,570	3,830	.....	.....	.....	10,700	6,530	1,730	665	2,650	920
14	3,570	6,620	3,830	.....	.....	14,600	11,100	6,160	1,570	590	1,900	825
15	3,080	5,600	3,830	.....	.....	16,200	9,780	5,800	1,570	520	1,420	740
16	2,860	4,970	5,280	.....	.....	44,400	11,600	5,100	1,570	740	1,150	665
17	3,320	4,970	8,930	.....	.....	35,800	26,000	8,930	1,570	740	1,150	1,030
18	3,320	4,970	8,930	.....	.....	24,600	21,200	10,200	1,420	1,150	1,280	1,150
19	14,600	10,700	7,350	.....	.....	24,600	29,000	8,930	1,420	1,150	1,570	1,150
20	13,500	10,700	6,270	.....	.....	22,500	28,200	7,700	1,280	1,570	1,900	1,280
21	9,780	8,520	5,600	.....	.....	21,800	26,000	6,160	1,150	920	1,730	1,420
22	12,500	7,730	5,280	.....	.....	14,600	15,100	5,440	1,150	920	1,570	1,420
23	12,500	6,620	6,980	.....	.....	13,000	13,000	5,440	1,030	920	2,080	1,150
24	16,800	5,930	16,200	.....	.....	11,100	12,500	4,450	920	740	2,450	1,150
25	13,500	6,620	14,100	.....	.....	10,700	10,200	4,450	920	740	3,080	3,320
26	10,700	6,270	9,780	.....	.....	9,780	9,350	4,150	825	665	2,860	6,910
27	8,930	5,280	9,350	.....	.....	7,700	8,510	3,580	740	590	2,450	5,800
28	7,730	4,970	10,700	.....	.....	8,100	8,100	2,860	740	520	1,900	4,770
29	6,620	4,970	8,120	.....	.....	16,200	7,300	2,450	665	520	1,730	3,580
30	5,930	6,980	6,270	.....	.....	47,600	20,500	3,080	665	590	1,570	3,320
31	4,670	.....	5,930	.....	.....	29,000	.....	3,580	.....	590	1,280	.....
1912-13												
1	2,650	8,100	2,860	12,100	5,800	20,500	18,000	8,520	7,350	685	525	455
2	2,260	4,150	2,650	8,930	6,160	11,100	15,700	7,350	5,930	780	525	455
3	2,080	4,770	3,320	8,100	6,530	7,300	11,600	6,270	4,670	525	525	455
4	2,080	4,770	19,200	27,500	5,100	6,530	11,600	5,930	4,100	600	455	390
5	1,900	3,580	14,600	21,200	3,860	5,800	12,100	4,970	6,620	685	390	390
6	1,570	3,320	9,780	14,600	3,860	5,100	11,100	4,970	5,600	880	390	390
7	1,420	2,860	15,100	12,500	3,320	3,860	9,350	4,100	3,570	685	880	390
8	1,420	3,860	12,100	12,500	2,860	3,080	8,120	3,830	4,380	685	455	390
9	1,280	14,100	9,780	50,900	2,860	2,260	7,350	3,830	3,570	600	600	390
10	1,280	10,200	8,100	26,000	2,450	3,580	6,270	3,570	2,860	600	455	390
11	1,280	8,930	6,910	19,200	2,650	5,800	6,270	2,640	2,430	600	685	390
12	1,280	8,100	6,160	18,600	2,860	7,700	15,700	2,430	2,230	600	525	390
13	1,280	5,800	5,440	23,200	2,260	7,300	10,700	2,230	2,230	600	455	390
14	1,150	5,440	4,450	20,500	2,260	6,910	14,100	2,230	2,040	600	455	390
15	1,280	5,440	3,580	12,500	2,260	27,500	12,500	1,860	1,690	685	455	390
16	1,150	4,450	2,860	11,100	2,260	22,500	10,700	1,860	1,690	600	455	390
17	1,150	4,150	4,150	9,780	2,260	17,400	9,350	1,860	1,530	600	455	330
18	1,030	3,580	3,580	14,100	2,260	13,000	7,730	1,860	1,690	600	455	330
19	1,030	3,080	3,860	16,200	2,260	10,200	7,350	1,860	1,530	525	600	330
20	1,030	2,860	8,930	15,100	2,260	9,350	6,620	1,860	1,530	525	525	330
21	1,030	2,860	6,910	12,100	2,260	14,100	5,600	1,690	1,530	455	455	330
22	1,030	2,860	6,910	15,700	2,260	12,500	4,970	2,040	1,530	455	390	780
23	1,150	2,650	5,440	11,600	3,320	13,000	4,380	2,040	1,530	455	455	2,040
24	8,930	2,450	4,770	10,700	5,440	10,700	4,100	5,280	1,530	225	455	2,430
25	23,900	3,320	4,770	11,600	5,800	12,500	3,080	5,930	1,240	525	390	2,040
26	18,400	4,450	4,150	9,780	3,860	13,000	3,080	5,280	1,110	525	390	1,110
27	11,600	4,150	4,150	8,510	2,860	37,300	3,080	4,100	990	525	330	880
28	8,930	3,860	4,770	7,700	3,860	84,000	4,380	3,830	990	455	390	780
29	7,700	3,580	4,150	7,300	.....	42,800	12,100	6,980	880	600	390	685
30	6,530	3,080	3,860	5,800	.....	26,800	11,100	13,500	780	600	600	600
31	7,300	.....	6,910	5,800	.....	19,800	.....	8,520	.....	600	525	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913-14												
1	600	2,230	3,830	3,320	13,500	.....	33,500	12,100	2,040	1,610	1,180	1,690
2	990	1,690	3,570	2,860	17,400	.....	32,700	9,780	1,860	1,610	1,110	1,530
3	1,530	1,380	3,320	2,640	11,100	.....	37,300	8,520	1,690	1,610	990	1,460
4	780	1,380	3,320	2,430	9,780	.....	26,000	7,730	1,690	1,460	880	1,530
5	600	1,380	3,320	2,230	9,350	.....	20,500	6,620	3,320	1,310	830	1,530
6	780	1,380	3,080	2,230	8,930	.....	17,400	9,350	3,080	1,240	676	1,380
7	780	1,380	3,080	2,230	6,620	.....	13,500	14,100	2,640	1,460	685	1,180
8	780	1,380	5,600	1,860	6,620	.....	14,600	10,700	2,230	1,380	685	1,110
9	780	2,640	5,600	2,430	6,270	.....	50,900	9,780	3,320	1,780	651	990
10	780	40,400	4,970	1,860	6,270	.....	35,000	9,350	2,640	1,950	642	935
11	685	22,500	4,970	1,690	6,270	.....	18,600	7,730	2,640	3,080	668	880
12	780	15,100	4,100	1,380	2,640	.....	18,600	8,120	2,040	4,380	990	732
13	990	11,100	4,100	1,380	1,690	.....	18,000	17,400	1,690	3,830	1,310	732
14	880	8,520	3,830	.....	1,690	.....	14,600	17,400	1,530	3,080	1,310	668
15	685	8,120	4,100	.....	.....	.....	12,500	15,100	1,380	2,430	1,180	685
16	685	6,980	3,830	.....	.....	.....	12,500	14,100	1,240	2,230	990	732
17	685	6,270	3,830	.....	.....	.....	14,600	11,600	1,240	1,860	830	685
18	685	5,280	3,570	.....	.....	.....	13,500	9,780	1,240	2,140	830	592
19	685	6,620	3,570	.....	.....	.....	11,600	7,730	1,110	2,860	880	548
20	780	5,930	3,320	.....	.....	.....	12,100	7,350	990	2,430	1,180	511
21	2,040	5,600	3,320	.....	.....	.....	35,800	7,350	1,110	2,040	2,640	483
22	5,930	5,280	2,860	.....	.....	.....	30,500	6,270	990	1,530	6,270	422
23	4,100	4,380	2,860	.....	.....	.....	26,800	4,100	990	1,380	3,320	483
24	4,100	4,100	3,320	.....	.....	9,350	14,600	3,570	2,040	1,460	3,080	570
25	4,670	3,570	3,830	.....	.....	8,120	13,000	3,320	1,530	1,380	2,750	462
26	4,670	3,320	3,830	.....	.....	6,270	13,000	2,860	1,240	1,530	2,230	476
27	5,930	3,320	3,320	.....	.....	25,300	21,800	2,860	1,240	1,460	2,430	469
28	4,100	3,320	3,570	.....	.....	92,700	16,800	3,320	1,110	1,310	1,610	436
29	3,830	3,830	3,570	.....	.....	77,200	14,100	2,640	1,110	1,460	1,460	422
30	3,080	4,100	2,640	.....	.....	36,500	12,500	1,860	1,380	1,530	1,380	455
31	2,640	.....	2,430	.....	.....	36,500	.....	2,230	.....	1,310	1,610	.....
1914-15												
1	442	429	1,380	.....	3,830	11,600	2,480	4,640	2,890	1,750	2,480	4,920
2	422	416	1,180	.....	14,600	11,600	2,480	4,360	2,680	2,480	2,480	4,090
3	403	403	1,110	.....	11,600	8,270	2,480	4,360	2,480	3,580	2,680	3,830
4	396	442	1,180	.....	9,060	7,520	2,290	4,090	2,200	3,340	4,920	3,340
5	378	442	1,240	.....	7,890	5,510	2,290	4,360	2,100	3,110	14,600	3,110
6	354	429	1,240	.....	7,160	5,820	2,290	4,090	1,920	3,830	10,300	2,890
7	390	416	1,240	.....	8,270	5,210	3,110	4,090	1,750	3,580	8,270	2,680
8	490	410	1,530	32,000	9,460	4,640	3,580	4,090	1,590	2,480	6,810	2,890
9	442	378	2,640	16,800	7,520	4,360	4,090	3,830	2,100	33,500	7,520	2,890
10	372	366	2,430	11,200	5,210	3,830	4,360	4,090	1,590	23,200	6,140	2,890
11	378	448	2,040	7,890	4,640	3,830	11,200	3,580	1,590	12,100	5,510	2,890
12	342	455	1,860	6,810	4,360	3,580	26,800	3,340	1,370	8,270	4,920	2,290
13	292	442	1,530	17,400	4,090	5,820	19,800	4,920	1,300	10,300	4,360	2,100
14	324	436	.....	18,000	5,210	3,110	13,500	3,110	1,300	9,460	3,830	2,290
15	354	469	.....	12,600	7,520	3,110	10,700	2,890	1,240	9,870	3,340	2,100
16	403	651	.....	9,870	35,800	3,110	8,660	2,890	1,920	6,810	3,580	2,290
17	660	830	.....	8,660	22,500	2,890	7,890	2,890	1,840	5,280	3,340	2,200
18	880	1,180	.....	9,870	12,600	2,680	6,810	3,110	2,680	6,140	3,340	2,100
19	880	1,310	.....	31,200	8,660	2,480	5,820	2,890	2,100	4,920	2,680	5,510
20	990	1,110	.....	38,100	7,890	2,290	5,210	2,680	2,100	4,360	2,480	2,890
21	935	990	.....	21,200	7,890	2,290	4,920	2,680	1,840	5,820	2,290	4,640
22	935	830	.....	13,500	7,520	2,290	4,360	4,360	1,670	4,360	2,680	8,270
23	935	830	.....	10,700	7,160	2,480	4,360	6,470	1,670	3,830	12,100	7,160
24	732	830	.....	10,300	9,060	2,480	4,360	6,140	1,750	3,830	10,700	5,210
25	644	780	.....	12,100	41,200	2,680	4,090	5,210	1,750	3,340	8,270	4,090
26	585	685	.....	9,060	33,500	3,110	3,830	4,640	2,680	3,340	9,060	3,830
27	490	780	.....	7,520	20,500	3,340	3,580	4,640	1,440	3,830	6,140	3,340
28	483	935	.....	6,810	13,500	3,340	3,340	4,640	1,300	3,580	5,210	3,830
29	455	935	.....	6,140	.....	3,110	3,340	4,090	1,170	3,340	5,210	3,340
30	436	1,530	.....	4,640	.....	2,890	5,210	3,580	1,050	3,580	5,510	2,890
31	442	.....	.....	3,580	.....	2,680	.....	3,340	.....	2,890	6,140	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-16												
1	2,890	2,010	3,340	7,890	16,800	8,660	50,900	9,840	6,010	3,650	5,050	1,800
2	2,680	1,920	3,340	9,460	19,200	7,890	55,800	9,010	8,600	3,160	4,180	1,470
3	3,830	1,920	3,110	13,500	13,500	7,160	46,000	8,200	7,810	3,160	3,650	1,240
4	4,360	1,920	2,480	10,700	12,100	7,890	33,500	7,430	8,200	3,650	3,160	1,110
5	3,830	1,920	2,480	9,060	10,300	5,820	26,800	7,060	6,700	3,400	2,690	1,110
6	4,090	2,010	2,290	12,600	9,460	4,920	23,900	6,350	5,360	3,160	2,470	1,110
7	4,640	2,100	2,290	13,000	7,520	3,830	20,500	5,680	4,750	2,690	2,260	1,240
8	4,360	2,200	2,290	8,660	5,510	4,090	18,600	5,680	6,010	2,260	2,070	1,110
9	3,830	1,920	2,480	8,270	4,640	4,360	15,700	7,060	8,200	2,690	2,260	1,110
10	3,340	2,100	2,480	7,520	3,830	4,360	14,600	6,010	6,700	3,400	2,690	1,110
11	3,110	1,920	2,100	6,810	3,340	4,090	13,600	5,360	6,010	3,910	2,920	1,050
12	2,890	2,010	1,920	7,520	3,110	3,830	12,600	4,460	6,350	4,460	2,470	935
13	2,890	2,010	1,840	6,810	2,680	3,830	16,800	4,180	6,010	4,750	2,470	880
14	2,680	2,010	1,840	7,520	2,480	4,360	21,800	3,650	5,360	6,700	2,070	990
15	2,680	1,920	1,920	6,810	2,480	3,830	32,700	3,650	5,050	9,010	1,890	1,800
16	2,480	2,200	2,100	6,140	2,290	2,890	20,500	3,400	4,750	5,360	1,720	4,750
17	2,890	3,340	2,480	5,210	2,200	2,890	19,200	4,750	9,010	4,460	1,550	4,460
18	2,680	2,890	3,340	4,460	2,100	3,580	18,000	7,430	10,300	4,180	1,550	3,160
19	2,480	3,110	17,400	3,580	2,100	3,830	16,200	6,700	8,200	3,650	1,390	2,460
20	2,480	9,060	15,100	3,380	2,100	3,580	13,100	5,680	8,200	3,160	1,240	1,800
21	2,680	7,160	10,300	4,640	2,100	3,580	11,200	5,360	7,810	2,690	1,110	1,640
22	2,680	6,470	8,660	5,210	2,290	3,340	11,200	4,460	6,700	2,260	1,110	1,640
23	2,480	5,510	7,160	27,500	3,110	3,110	12,600	4,750	6,010	2,260	1,050	1,390
24	2,100	4,640	7,160	15,700	3,340	3,110	14,100	9,010	5,360	1,470	990	1,470
25	1,920	4,360	7,160	19,200	3,830	3,340	12,600	7,430	4,750	2,260	1,110	2,260
26	2,010	4,090	7,160	16,800	21,800	3,830	11,200	6,700	5,360	12,100	1,390	1,800
27	2,100	3,830	20,500	15,700	28,200	5,510	13,100	9,420	4,750	22,500	2,260	1,720
28	2,480	3,830	14,600	28,200	16,800	9,060	16,800	5,360	5,050	16,200	1,800	1,390
29	2,290	3,580	13,000	27,500	12,600	15,100	14,100	8,600	4,750	10,700	2,070	1,390
30	2,200	3,580	9,460	17,400	.....	27,500	11,600	7,810	4,180	7,430	2,260	1,720
31	2,100	.....	8,660	14,600	.....	46,000	.....	6,700	.....	6,010	2,070	.....
1916-17												
1	1,720	1,720	12,100	3,650	1,900	12,000	23,200	4,460	5,680	9,840	2,260	4,460
2	2,070	1,720	9,010	3,650	3,200	15,000	27,500	4,180	6,010	8,200	1,890	3,160
3	1,890	1,800	6,700	3,650	4,200	6,500	24,600	5,360	6,700	7,060	1,550	2,690
4	1,890	1,890	6,010	3,910	3,000	4,800	23,900	5,050	6,350	6,010	1,720	2,470
5	1,470	1,890	5,050	3,910	1,900	4,600	17,400	4,750	6,010	5,360	1,550	2,260
6	1,240	1,720	5,050	6,010	1,200	6,000	14,600	5,050	5,680	4,750	1,390	2,070
7	1,720	1,720	4,460	8,200	1,400	4,000	17,400	5,360	7,060	4,460	1,550	1,890
8	1,240	2,070	3,910	7,430	1,700	4,000	14,100	4,460	13,600	3,910	1,390	1,720
9	1,110	1,720	3,650	6,010	2,600	4,000	13,600	8,200	13,100	3,400	3,400	1,720
10	1,110	1,720	4,180	6,010	1,900	4,600	11,200	7,810	10,700	3,650	4,460	1,550
11	990	1,800	4,180	5,360	2,400	4,200	9,010	7,430	9,420	5,360	4,180	1,550
12	880	2,260	3,910	4,180	1,900	4,600	8,200	7,060	32,700	7,430	3,160	1,550
13	935	2,070	3,400	3,400	1,700	11,000	7,810	6,350	25,300	8,600	2,470	1,390
14	990	1,720	3,160	5,680	1,600	26,000	7,060	5,050	16,800	7,060	1,890	1,240
15	1,110	1,720	3,160	36,500	1,600	29,700	6,700	4,750	16,800	5,680	1,720	1,110
16	1,180	1,720	2,690	21,800	1,700	23,900	6,700	4,750	13,100	5,360	1,550	1,110
17	1,240	1,800	2,690	14,600	1,600	20,500	6,010	4,460	11,200	4,750	1,890	990
18	1,110	1,640	2,260	9,420	1,660	15,100	5,360	4,460	9,840	5,680	2,470	990
19	1,050	1,640	2,260	6,010	1,400	13,600	5,050	3,910	9,840	4,460	2,920	990
20	4,750	1,550	2,920	5,000	1,200	10,700	5,680	3,650	9,010	4,180	2,260	990
21	3,650	1,550	3,160	4,600	1,400	9,840	7,060	3,400	7,430	3,650	1,890	880
22	5,360	1,390	4,460	4,200	1,200	10,700	7,430	3,160	8,200	3,400	1,720	880
23	4,180	1,390	5,360	4,000	1,000	9,840	7,810	3,160	7,060	2,920	1,550	880
24	3,400	1,550	8,200	3,400	1,200	14,100	6,010	3,400	7,810	3,160	1,720	880
25	2,920	2,070	7,430	3,200	1,100	45,200	5,360	2,920	7,060	3,160	3,910	880
26	2,470	3,910	5,360	2,800	1,400	33,500	5,050	2,920	6,010	3,650	4,750	880
27	2,260	3,160	5,050	2,600	1,700	37,300	5,050	2,690	6,010	3,160	3,650	780
28	2,070	2,690	4,750	2,400	7,500	53,400	4,460	3,160	15,100	3,160	2,290	780
29	1,980	3,400	4,750	2,200	.....	38,900	3,910	3,650	10,700	2,690	2,260	780
30	1,720	3,910	3,910	2,000	.....	26,000	3,650	7,430	11,200	2,260	2,070	780
31	1,720	.....	3,650	1,900	.....	20,500	.....	6,350	.....	2,070	6,010	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-18												
1	685	33,500	2,920	1,200	1,200	14,100	6,700	7,810	7,060	2,070	780	830
2	685	19,200	3,160	1,200	1,100	28,200	7,430	7,060	6,700	1,720	880	880
3	685	13,100	3,160	1,200	1,000	18,600	8,200	6,700	5,360	2,070	780	1,110
4	990	10,300	3,160	1,200	1,600	14,100	9,010	5,680	3,910	1,890	732	935
5	780	8,200	2,920	1,200	1,600	11,600	8,600	5,360	3,910	1,640	780	780
6	780	7,060	2,470	1,000	1,000	11,600	8,200	5,050	3,650	1,240	685	780
7	880	6,010	2,070	1,000	1,000	20,500	6,010	4,750	3,650	1,240	642	685
8	990	5,680	1,720	950	1,200	14,100	5,360	4,460	3,400	1,390	685	642
9	1,110	4,750	1,390	1,200	1,200	11,600	5,050	3,650	3,650	1,550	685	600
10	990	3,910	1,720	1,300	1,200	10,300	9,840	3,400	2,920	1,390	732	525
11	880	3,910	2,070	1,300	1,200	12,100	10,300	3,160	2,470	1,390	732	490
12	780	3,650	2,920	1,400	1,000	9,010	9,010	2,920	2,690	1,470	685	490
13	1,110	3,160	2,690	1,600	1,200	7,810	8,600	4,460	3,160	1,470	780	490
14	3,650	2,920	2,470	1,600	1,600	14,100	8,200	7,430	5,360	1,550	780	562
15	2,470	2,690	2,260	1,700	2,400	15,100	13,100	6,350	4,180	1,720	990	830
16	2,070	2,690	2,000	1,700	3,600	12,100	16,200	5,050	3,650	1,980	990	780
17	1,890	2,690	2,000	1,900	8,500	11,200	14,100	4,460	2,920	1,640	780	685
18	1,890	2,470	1,900	1,500	8,000	15,100	15,100	3,910	2,470	1,550	685	685
19	1,720	2,260	1,700	1,500	7,000	16,200	16,800	3,650	2,260	1,550	562	880
20	1,720	2,260	1,600	1,300	11,600	18,600	13,600	3,650	2,070	1,550	490	1,050
21	4,460	2,070	1,600	1,200	35,000	20,500	11,600	6,010	1,890	1,550	455	1,640
22	3,910	2,070	1,600	1,000	29,000	21,800	19,200	5,360	2,070	1,240	422	2,690
23	3,400	4,460	1,600	1,000	15,100	23,900	21,200	5,360	5,360	1,180	390	2,260
24	2,920	4,180	1,600	1,600	10,700	19,800	16,200	4,750	4,460	990	390	1,890
25	4,460	3,650	1,700	1,500	8,200	15,100	13,600	3,910	3,400	880	390	1,550
26	9,010	3,400	1,600	1,200	8,600	13,100	11,200	3,910	2,920	780	390	1,550
27	7,060	3,160	1,700	1,200	35,000	11,200	9,010	4,460	2,470	780	455	6,700
28	6,010	2,290	1,600	1,100	24,600	9,010	7,810	6,010	2,070	685	390	7,430
29	7,060	2,690	1,500	1,100	.....	7,430	6,700	6,010	1,890	685	455	5,050
30	9,420	2,470	1,400	1,100	.....	7,060	6,350	6,010	1,720	685	455	3,650
31	61,600	.....	1,300	1,100	.....	6,700	.....	8,200	.....	880	455	.....
1918-19												
1	2,920	7,810	2,470	5,680	3,650	7,060	7,430	4,750	3,400	1,550	2,690	1,470
2	1,130	11,200	11,600	1,800	1,300	16,200	6,350	5,360	2,920	1,390	2,920	1,390
3	2,470	5,050	1,980	12,600	2,470	11,600	6,010	7,060	2,690	1,110	2,470	1,470
4	2,690	4,460	1,980	10,300	2,260	9,010	5,680	6,010	2,470	1,050	1,980	6,500
5	2,290	3,400	1,980	7,430	2,690	7,810	7,430	5,050	2,260	935	1,890	10,300
6	3,160	4,460	1,800	5,360	2,690	7,810	8,200	4,750	2,070	1,050	1,980	2,920
7	13,100	3,910	1,720	5,680	2,260	7,810	8,600	4,460	2,470	1,180	9,840	2,260
8	8,600	3,910	1,640	6,700	1,890	6,700	8,600	4,460	2,470	1,110	7,810	1,890
9	6,010	2,920	1,890	6,700	1,890	7,810	9,420	4,460	2,470	685	4,460	1,720
10	4,750	2,690	2,070	5,680	1,720	20,500	9,010	7,060	2,070	1,110	3,160	1,550
11	4,180	2,470	1,800	4,180	1,550	15,100	7,810	15,700	1,980	1,050	2,690	1,980
12	3,910	2,470	1,800	3,910	1,550	12,100	16,200	14,600	1,890	1,050	2,260	2,070
13	3,650	2,260	2,260	3,400	1,550	10,300	19,200	13,100	1,720	1,110	1,980	2,260
14	3,400	2,070	2,690	3,400	1,980	8,200	14,100	12,100	1,550	1,320	2,070	2,070
15	2,920	1,980	4,180	3,650	3,400	6,700	11,600	9,840	1,550	1,110	2,470	1,720
16	2,690	1,890	8,600	4,180	4,750	6,700	6,350	8,600	3,400	990	2,690	1,550
17	2,470	1,800	7,430	3,650	4,180	8,200	16,800	8,200	3,400	990	2,470	1,470
18	2,260	2,470	6,010	3,650	3,650	10,700	15,700	10,300	3,160	1,110	2,260	1,470
19	1,980	3,910	4,750	3,650	2,690	13,600	12,100	9,010	2,690	1,640	2,470	1,640
20	1,890	4,460	3,910	3,460	1,980	10,700	10,700	7,430	2,070	2,260	3,160	1,640
21	1,720	3,910	3,910	2,920	1,980	9,010	8,600	7,060	2,070	3,650	2,690	1,180
22	1,720	3,400	3,910	2,920	1,890	8,600	8,200	12,100	2,260	7,430	2,070	1,110
23	2,690	2,920	9,010	2,920	2,260	7,810	7,060	8,200	1,890	12,100	1,980	1,470
24	2,470	2,690	12,600	5,680	2,260	7,060	6,350	9,420	1,550	8,600	1,980	2,070
25	2,070	2,690	14,100	8,600	2,260	6,350	6,350	8,200	1,329	6,350	2,470	2,260
26	2,070	2,470	15,100	6,700	2,690	5,680	6,350	7,430	1,720	4,460	2,260	2,260
27	2,260	2,260	10,700	6,350	2,920	5,050	5,680	6,350	1,720	4,180	1,890	1,890
28	2,260	2,070	8,600	5,360	2,690	7,810	5,360	5,680	2,070	4,750	1,890	1,720
29	2,260	2,260	7,430	4,750	.....	10,300	5,360	4,750	2,070	4,750	1,720	1,550
30	2,260	2,470	7,060	4,460	.....	8,200	5,360	4,180	1,980	3,650	1,640	1,390
31	3,160	.....	5,680	4,180	.....	8,200	.....	3,650	.....	2,920	1,550	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-20												
1	1,390	4,460	12,100	1,600	1,200	1,100	29,700	7,430	2,470	3,160	3,910	2,260
2	1,130	11,200	11,600	1,800	1,300	1,100	29,700	6,350	2,260	3,400	3,400	2,070
3	1,640	14,600	9,420	1,700	1,200	1,200	32,000	7,060	2,070	3,160	2,920	1,890
4	1,550	10,300	6,700	1,700	1,200	1,100	24,600	6,700	1,980	4,460	2,470	1,720
5	1,550	10,700	4,460	1,600	1,300	1,200	21,800	5,680	2,470	3,650	2,260	1,550
6	1,390	10,700	4,180	1,600	1,400	2,600	24,600	5,360	5,360	3,400	2,070	1,550
7	1,390	10,700	4,750	1,600	1,400	5,500	21,200	4,750	4,460	2,470	1,890	2,920
8	1,390	8,200	5,360	1,600	1,500	11,000	15,700	4,460	3,650	2,260	1,890	3,160
9	1,390	7,060	6,010	1,600	1,500	9,500	13,600	4,460	2,920	2,260	1,720	2,920
10	1,390	6,010	11,200	1,600	1,400	9,000	11,200	4,180	2,260	2,070	1,720	3,160
11	1,390	5,360	9,840	1,600	1,400	13,000	9,840	3,910	2,070	1,890	1,720	5,360
12	1,640	6,010	6,700	1,500	1,400	18,000	8,600	4,180	1,980	1,800	2,260	9,840
13	1,720	7,060	6,350	1,400	1,400	50,900	8,200	7,810	1,980	3,650	2,470	15,700
14	1,550	10,300	10,700	1,400	1,300	44,400	14,600	7,060	2,260	3,650	5,360	11,600
15	1,850	8,600	11,600	1,400	1,400	30,500	11,200	6,010	2,070	4,180	8,600	8,200
16	1,980	7,060	8,600	1,400	1,300	25,300	9,420	5,360	2,070	4,180	9,840	6,700
17	2,260	6,010	6,700	1,400	1,400	26,000	10,300	4,750	1,800	3,160	7,430	5,360
18	3,400	5,360	5,050	1,400	1,400	32,000	10,300	4,460	9,010	2,690	7,060	4,180
19	3,650	5,050	3,650	1,400	1,400	23,200	9,010	4,180	10,300	2,920	6,700	3,910
20	2,290	4,460	3,400	1,500	1,200	15,100	8,200	3,910	9,010	3,160	5,680	3,160
21	2,470	3,910	3,000	1,500	1,400	15,700	7,810	4,460	6,350	3,400	4,750	2,690
22	2,260	3,650	4,200	1,500	1,300	14,100	9,010	6,350	4,460	2,690	4,180	2,470
23	2,260	3,400	4,000	1,400	1,300	15,700	9,420	5,680	4,180	2,920	3,650	2,470
24	2,260	3,400	3,400	1,400	1,360	23,900	9,010	5,050	3,650	8,200	3,160	2,260
25	2,070	3,400	3,200	1,400	1,300	35,800	9,010	4,750	2,920	29,700	2,920	2,260
26	2,070	3,650	3,000	1,300	1,300	42,000	7,810	4,180	2,260	16,800	2,690	2,070
27	1,890	23,900	2,800	1,600	1,200	46,000	6,700	3,910	2,070	10,700	2,260	2,070
28	2,070	25,300	2,600	1,600	1,500	42,000	7,060	3,400	2,070	7,810	2,070	1,890
29	2,260	16,200	2,400	1,300	1,200	35,000	8,200	3,160	1,890	6,010	1,890	4,180
30	2,690	13,600	2,000	1,400	.....	33,500	7,810	2,920	2,260	4,750	2,260	4,750
31	3,160	.....	1,900	1,200	.....	32,000	.....	2,470	.....	4,180	2,470	.....
1920-21												
1	30,500	5,050	8,200	4,750	2,920	8,200	9,840	13,600	2,260	1,180	2,690	685
2	32,000	5,360	35,000	4,750	2,470	11,200	12,100	16,200	1,890	1,390	2,470	685
3	17,400	8,200	30,500	6,700	2,690	16,800	11,600	13,600	1,890	1,390	2,260	685
4	13,100	8,600	24,600	6,010	2,470	38,100	9,840	10,700	1,800	1,240	2,070	685
5	12,100	9,840	19,200	5,050	2,260	18,000	7,430	9,840	1,550	1,110	1,890	780
6	11,200	8,200	22,500	4,750	2,260	12,600	6,010	9,010	2,070	990	1,550	780
7	10,300	6,350	18,000	5,050	4,180	16,800	5,680	8,200	1,720	990	1,390	780
8	6,010	6,010	14,300	4,750	3,650	37,300	5,680	7,430	1,550	880	1,470	685
9	4,750	5,050	11,600	4,460	3,160	41,200	5,360	6,350	1,550	880	1,980	685
10	4,180	4,750	9,840	3,910	2,690	58,300	4,750	5,360	1,390	1,050	2,260	600
11	3,650	4,460	8,600	3,160	2,260	39,600	5,360	4,750	1,240	1,640	1,720	600
12	3,650	4,180	7,810	3,160	2,260	25,300	4,750	3,910	1,240	1,720	1,720	525
13	3,400	3,910	7,430	2,920	2,070	22,500	3,650	4,180	1,240	1,890	1,720	600
14	3,160	3,650	7,060	3,650	1,890	23,900	3,650	4,750	1,240	1,720	2,070	732
15	2,920	3,400	32,700	3,910	1,890	22,500	3,910	4,180	1,110	1,720	1,890	780
16	2,470	3,400	23,200	9,840	1,890	16,800	4,180	4,180	1,110	3,160	1,550	685
17	2,920	3,650	16,800	6,010	2,470	16,800	6,010	3,650	1,110	3,160	1,240	685
18	2,690	10,700	13,100	3,910	2,070	12,600	13,600	3,160	990	2,690	1,240	685
19	2,690	9,420	11,200	2,690	7,430	12,100	12,100	2,290	990	2,070	1,470	642
20	2,470	7,810	8,600	2,690	5,050	10,700	9,840	2,690	990	1,890	1,470	830
21	2,070	7,430	8,200	2,920	5,680	10,300	9,840	2,260	880	2,690	1,550	935
22	2,070	6,700	7,430	4,180	3,160	9,840	6,700	2,070	880	3,650	1,550	1,320
23	2,260	10,300	7,430	6,350	3,400	8,200	6,700	1,890	780	2,690	1,390	2,070
24	2,070	30,500	8,600	6,010	3,650	7,430	12,600	1,800	990	1,980	1,240	2,920
25	1,720	21,800	8,200	3,650	2,920	9,420	13,600	2,260	880	1,550	1,110	990
26	1,720	19,800	7,060	2,470	2,470	12,600	10,700	2,690	990	1,550	990	990
27	1,720	17,400	5,050	2,470	3,160	14,600	9,010	2,260	880	1,390	880	1,110
28	2,070	15,700	4,750	2,470	2,690	12,600	7,810	2,260	880	1,240	880	1,110
29	4,460	9,840	5,360	2,470	.....	10,700	7,060	1,890	880	1,980	880	880
30	5,360	9,010	5,360	2,920	.....	9,010	6,700	2,260	1,110	2,260	780	880
31	5,050	.....	5,360	2,920	.....	9,010	.....	2,470	.....	3,160	685	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	780	1,240	24,600	1,980	2,400	6,010	16,200	3,400	2,470	7,810	1,800	2,070
2	780	2,070	22,500	1,640	2,200	5,050	15,700	3,160	2,260	12,600	2,360	2,260
3	780	3,650	24,600	1,980	6,700	4,750	13,600	2,920	3,400	13,600	2,920	1,890
4	880	3,160	24,600	2,400	8,800	4,750	15,700	2,690	32,000	12,600	3,160	1,890
5	1,180	2,690	16,800	2,920	6,700	4,180	15,700	4,750	18,000	9,840	3,160	2,160
6	1,720	2,470	12,600	6,010	4,180	3,910	14,600	8,600	15,700	8,200	2,800	2,470
7	1,470	2,260	9,840	6,010	3,650	7,430	13,600	7,810	13,600	6,010	2,070	2,260
8	1,240	2,070	9,010	3,910	3,160	52,500	11,600	6,700	12,600	5,360	1,980	2,470
9	1,240	1,890	7,430	3,160	3,040	31,200	12,100	6,010	10,700	4,460	2,360	2,070
10	1,110	1,890	6,700	2,920	2,690	20,500	12,600	5,050	8,200	3,910	1,890	2,070
11	1,320	1,980	6,010	2,580	2,690	15,700	13,100	4,460	6,350	3,400	1,720	1,890
12	1,550	2,260	5,360	1,800	2,470	14,600	21,200	4,180	6,700	3,040	1,550	1,890
13	2,160	2,260	5,050	1,800	2,470	15,700	19,800	4,180	10,300	2,690	1,550	1,980
14	2,470	2,260	4,460	1,800	2,470	16,800	18,000	3,910	7,060	2,470	1,550	2,260
15	2,260	2,360	4,180	1,900	2,470	19,800	16,800	3,650	6,010	2,260	1,390	1,980
16	2,070	2,800	2,800	2,000	2,260	16,800	19,200	3,160	4,750	2,070	1,240	1,720
17	1,890	3,650	2,260	2,000	2,000	13,600	16,800	2,920	4,750	2,070	1,110	1,550
18	1,720	4,180	4,750	2,100	2,000	10,700	15,700	2,800	25,300	1,890	990	1,390
19	1,390	7,060	8,200	2,200	3,000	9,010	16,800	6,010	14,600	2,160	990	1,240
20	1,640	7,430	7,430	2,100	4,200	9,840	13,600	9,840	11,600	2,260	1,320	1,110
21	2,360	12,100	5,630	2,000	5,050	16,800	11,600	8,200	7,430	1,980	1,800	1,110
22	4,180	9,840	4,180	2,000	5,050	14,600	9,840	7,430	7,430	1,720	1,390	990
23	2,470	7,430	3,160	2,000	9,010	10,700	8,200	6,350	7,060	1,550	1,110	990
24	2,690	6,010	3,160	1,900	40,400	9,840	7,430	5,350	6,350	1,550	990	990
25	2,470	6,010	4,180	1,800	20,500	9,420	6,700	4,460	6,010	1,390	1,050	880
26	2,070	7,430	4,180		12,600	9,840	5,680	5,360	4,750	1,550	1,470	880
27	1,720	7,430	3,650	2,200	8,200	10,700	5,360	4,180	4,180	1,550	3,040	780
28	1,390	27,500	2,920		8,200	17,400	4,750	3,650	3,910	1,550	3,650	780
29	1,240	67,300	2,920		.....	29,000	4,180	3,400	3,650	1,800	2,920	780
30	1,240	44,400	2,360	2,600	.....	23,200	3,910	3,160	9,840	2,070	2,470	780
31	1,240	.....	2,070	2,200	.....	16,800	.....	2,690	.....	1,720	2,260	.....
1922-23												
1	685	780	880	1,500			8,150	14,500	2,630	1,360	2,210	1,930
2	685	685	780	7,500			7,350	11,100	2,410	1,220	2,120	1,440
3	685	780	780	12,600			7,730	8,510	2,210	1,220	1,760	1,090
4	685	880	780	9,010			10,600	7,730	2,410	1,090	1,510	970
5	600	880	1,390	6,700			24,500	6,290	2,410	1,090	1,590	970
6	600	780	1,110	6,010			48,300	5,630	2,630	1,090	1,360	1,090
7	600	880	990	5,360			39,500	5,010	3,590	970	1,360	1,220
8	685	880	780	4,180			28,100	5,010	5,010	860	1,220	1,220
9	1,550	990	685	3,910			23,800	6,630	6,990	860	1,090	1,440
10	1,800	880	1,180	3,400			19,000	18,400	6,290	760	970	3,330
11	3,040	990	1,110	4,180			14,000	14,000	4,710	760	760	2,740
12	3,040	990	1,110	3,910		12,000	12,000	14,000	3,850	670	670	2,020
13	2,160	880	1,100	3,650			11,100	13,500	3,210	670	670	1,670
14	1,720	880	1,100	2,160			9,330	13,000	2,850	670	670	1,510
15	1,470	880	1,000	1,720	2,600		8,150	10,200	2,630	670	760	1,360
16	1,240	880	950	1,500			7,350	8,910	2,630	670	760	1,220
17	1,110	830	750	1,500			6,290	9,750	2,410	590	760	1,090
18	1,110	780	750	1,900			5,950	9,330	1,930	590	760	1,090
19	1,110	780	750	1,700			5,630	7,730	1,840	670	670	970
20	1,110	880	750	1,800			5,310	6,990	1,670	670	670	970
21	990	880	750	1,900			5,010	6,290	1,510	590	670	1,090
22	880	880	750	6,000			4,710	7,730	1,360	590	670	1,440
23	880	780	750	10,000			4,710	6,290	1,220	590	670	3,590
24	880	780	850	7,000			4,410	5,630	1,220	515	670	6,290
25	1,110	685	1,000	5,500		38,700	4,130	4,410	1,090	590	670	4,410
26	1,110	685	1,100	5,000		28,100	3,850	3,850	1,670	590	590	3,590
27	1,110	685	1,300	5,000		21,700	3,330	3,850	1,670	590	590	2,850
28	990	685	1,400	4,400		17,800	3,210	3,590	1,510	2,850	590	2,630
29	880	685	1,700	3,600	.....	12,000	5,310	3,330	1,670	3,090	2,020	2,410
30	880	780	1,400	3,000	.....	11,600	22,400	3,090	1,510	2,970	3,210	2,410
31	780	.....	1,700	2,200	.....	11,100	.....	2,850	.....	2,740	2,850	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	2,120	3,330		5,010	3,400	1,100	10,700	6,350	4,460	1,720	732	2,470
2	1,840	3,090		4,710	3,200	1,100	10,300	5,680	4,180	1,720	685	1,890
3	1,670	3,090	13,000	5,310	3,000	1,100	8,200	7,430	3,910	1,720	780	1,110
4	1,510	2,850		6,990	3,000	1,000	7,430	7,060	3,650	1,720	990	780
5	1,360	2,850		9,750	2,800	1,600	10,700	6,700	3,400	1,550	780	780
6	1,360	2,630	9,330	7,730	2,600	2,400	16,200	6,010	3,400	1,800	732	935
7	1,220	2,740	16,200	6,290	2,800	5,500	59,900	5,050	3,650	1,550	685	880
8	1,220	3,090	15,600	5,950	3,200	6,500	53,400	4,460	5,360	1,390	780	880
9	1,090	2,850	11,100	5,310	2,600	4,750	29,700	6,700	4,750	2,070	880	1,240
10	1,090	2,630	9,330	5,010	2,400	4,180	23,200	7,810	4,180	4,750	830	1,640
11	970	2,410	8,910	12,000	1,900	3,400	20,500	8,600	3,910	3,400	780	4,180
12	970	2,210	8,510	49,100	1,700	2,690	17,400	10,300	3,650	2,360	935	2,260
13	970	2,850	8,110	35,000	1,600	2,470	14,600	23,200	3,160	1,980	2,360	1,890
14	860	2,630	7,730	16,800	1,600	2,070	13,600	23,900	2,920	2,800	1,110	1,550
15	860	2,630	6,990	14,100	1,500	1,890	12,600	24,600	2,920	3,040	990	1,550
16	860	2,410	6,290	12,100	1,400	1,720	12,100	25,300	2,920	2,580	990	1,390
17	760	2,410	5,630	23,200	1,400	1,890	11,600	17,400	2,690	1,980	880	1,240
18	760	2,410	4,410	21,800	1,200	2,070	12,100	13,600	2,470	1,270	780	1,240
19	860	2,210	3,850	12,600	1,200	2,070	19,200	13,500	2,260	1,550	780	1,110
20	970	2,210	3,590	11,600	1,200	1,890	23,900	12,600	1,890	1,550	880	1,110
21	970	2,210	3,330	9,010	1,100	2,800	19,800	10,300	1,890	1,390	1,050	990
22	860	2,210	3,330	7,430	1,100	3,400	16,800	9,840	1,890	1,320	880	880
23	860	2,020	5,010	4,180	1,100	4,460	18,600	8,600	1,720	1,110	830	880
24	1,590	2,210	7,350	4,180	1,100	8,200	17,400	7,430	1,720	1,110	780	1,050
25	6,990	2,210	8,510	5,050	1,100	11,200	17,400	7,060	1,550	990	780	990
26	5,950	2,210	7,350	4,180	1,100	10,300	12,600	6,700	1,390	880	880	990
27	5,010	2,630	6,990	3,650	1,100	9,840	9,840	6,010	1,720	880	1,110	880
28	4,410	2,850	6,290	2,800	1,100	9,010	8,200	5,680	1,890	880	2,360	830
29	4,130	3,090	5,010	2,690	1,100	7,810	7,060	5,360	2,070	780	1,890	830
30	3,850	3,590	3,850	3,160	.....	13,100	6,700	6,010	1,890	830	2,070	11,900
31	3,330	.....	3,850	3,650	.....	11,600	.....	5,050	.....	830	2,260	.....
1924-25												
1	73,900	880	2,800	1,800	1,100	12,800	11,800	4,320	3,260	1,540	4,040	940
2	46,800	880	2,470	1,700	1,100	11,800	11,400	6,190	3,510	1,700	3,770	835
3	20,500	880	1,800	1,700	1,100	9,190	10,500	5,860	3,770	1,700	3,260	788
4	13,100	780	1,720	1,600	1,000	7,990	10,900	5,540	3,770	1,700	2,790	740
5	9,010	780	1,980	1,600	1,000	7,240	10,000	5,220	2,900	1,700	2,360	740
6	7,430	732	1,980	1,600	1,000	6,530	9,190	4,910	2,460	3,770	2,360	740
7	6,010	780	2,580	1,600	1,100	7,610	7,990	4,610	2,160	2,900	2,260	1,110
8	5,050	685	3,400	1,500	1,100	7,990	7,610	4,320	1,880	1,880	2,360	1,620
9	4,460	685	4,750	1,500	1,200	7,610	6,530	3,770	1,880	2,260	2,060	1,620
10	3,910	685	4,800	1,500	1,800	7,990	6,530	3,510	3,260	2,160	4,320	1,620
11	3,160	685	3,400	1,400	7,000	7,610	6,190	3,770	2,360	1,880	5,220	1,540
12	3,160	732	3,400	1,400	80,000	9,190	5,540	7,240	2,160	3,510	4,040	1,170
13	2,580	732	3,200	1,400	46,000	8,780	5,220	8,380	1,970	2,460	3,020	1,540
14	2,260	685	3,200	1,300	24,000	7,090	4,910	6,530	1,790	1,880	4,040	4,320
15	2,070	732	2,600	1,300	16,000	9,610	5,220	5,860	1,620	1,380	4,610	15,300
16	2,070	685	2,400	1,300	15,000	8,780	5,540	5,860	1,620	1,240	4,320	10,900
17	1,890	685	2,600	1,300	13,000	8,780	5,220	5,220	1,620	1,460	3,260	13,200
18	1,800	600	3,400	1,200	11,000	9,190	4,910	5,860	1,540	2,790	2,680	8,380
19	1,720	562	6,000	1,200	9,000	10,500	4,610	5,220	1,460	2,680	2,360	6,530
20	1,390	525	6,000	1,100	9,380	11,800	6,190	4,610	1,240	1,880	2,060	5,540
21	1,390	732	4,800	1,100	7,990	10,000	8,380	4,040	1,170	1,540	1,970	4,040
22	1,240	880	3,400	1,100	7,610	8,780	8,780	3,510	1,110	1,790	1,970	3,020
23	1,390	4,750	3,200	1,100	12,800	7,990	7,990	3,140	1,110	7,610	1,790	2,900
24	1,240	11,600	3,000	1,000	19,900	7,610	6,880	3,510	940	7,240	1,790	2,790
25	1,240	6,700	2,800	1,000	19,900	6,190	6,190	4,320	995	5,540	1,620	2,570
26	1,240	5,050	2,400	1,000	16,900	5,860	6,880	5,540	1,540	4,040	1,460	2,460
27	1,180	3,910	2,200	1,000	14,200	5,220	7,240	5,220	1,460	13,700	1,460	2,160
28	1,050	3,650	1,900	1,000	13,700	6,530	6,190	4,610	1,380	9,190	1,240	1,970
29	990	3,160	1,800	1,000	.....	13,700	5,540	3,770	1,380	6,880	1,110	1,880
30	990	3,040	1,800	1,000	.....	10,900	4,610	4,040	1,790	5,540	940	1,620
31	935	.....	1,800	1,100	.....	11,800	.....	3,510	.....	4,320	940	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	1,720	4,220	6,820	3,690	2,150	10,000	11,000	8,380	2,150	1,470	2,540	2,540
2	1,720	4,220	5,760	3,690	6,000	9,660	9,220	8,380	2,750	1,320	1,800	2,150
3	1,720	3,950	5,560	3,440	5,500	8,380	7,980	7,980	3,440	1,120	1,470	2,340
4	1,720	3,690	10,300	3,200	4,000	7,580	7,980	7,200	3,200	1,000	1,180	1,800
5	1,630	3,440	11,800	3,200	3,600	6,820	8,380	6,820	3,200	950	950	1,630
6	1,630	3,440	19,400	3,080	3,600	6,100	9,220	5,760	3,080	1,060	1,000	3,690
7	1,630	3,200	20,000	3,440	3,400	5,420	10,100	5,100	2,750	1,120	1,400	4,800
8	1,720	4,230	16,400	3,200	3,200	6,460	12,000	4,800	2,540	950	1,630	3,950
9	1,630	9,610	11,500	2,750	3,200	8,800	27,700	4,220	2,970	898	1,400	3,440
10	1,630	10,600	8,800	2,340	3,000	7,980	38,000	3,690	2,640	845	1,320	2,860
11	1,630	7,980	7,580	2,150	2,800	7,580	28,300	3,440	2,340	898	1,060	2,440
12	1,630	7,980	6,820	2,000	2,800	6,820	21,900	3,200	2,240	845	898	2,240
13	1,630	11,400	6,820	2,000	2,800	5,760	17,400	3,200	2,060	795	1,470	2,150
14	1,630	21,800	5,420	2,000	2,800	5,100	15,200	3,200	1,880	745	1,720	1,970
15	1,800	18,400	4,800	2,000	3,600	4,500	15,200	2,970	2,240	745	2,640	1,970
16	1,630	17,200	3,950	2,150	4,800	4,220	14,000	2,750	2,860	745	2,530	1,880
17	1,800	29,700	3,690	2,240	4,200	3,200	12,500	2,340	2,540	795	7,800	1,800
18	1,720	19,000	3,690	2,060	4,800	3,200	10,600	2,340	2,150	845	7,980	1,630
19	1,630	31,500	3,690	4,390	6,000	3,200	8,380	2,340	1,970	898	9,730	1,470
20	1,630	11,000	3,440	15,700	6,500	4,220	7,200	2,150	1,720	950	7,580	1,180
21	1,550	9,220	3,690	9,660	7,000	4,800	6,820	2,970	1,630	898	5,100	1,000
22	1,470	7,980	4,220	8,380	7,000	6,190	6,100	2,750	1,550	745	3,200	1,400
23	1,470	6,820	5,760	7,200	6,500	12,700	7,580	2,540	1,630	845	2,970	1,720
24	1,550	5,760	5,100	6,460	6,000	18,000	9,220	2,540	1,970	1,180	6,950	1,630
25	3,300	5,420	4,220	4,800	6,500	22,400	16,200	2,440	1,880	898	6,100	1,630
26	12,900	4,800	3,690	4,220	11,000	25,700	20,200	2,150	1,800	845	5,420	1,470
27	11,500	4,800	2,860	3,690	11,000	19,300	14,600	2,150	1,720	1,180	4,800	1,800
28	8,380	7,200	2,150	3,200	10,000	14,000	10,100	1,970	1,630	950	4,500	2,340
29	6,460	8,800	1,800	2,750	.....	11,000	10,600	1,970	1,970	2,150	3,690	2,750
30	5,760	7,580	1,630	2,440	.....	10,600	9,220	1,880	1,800	2,340	3,200	2,970
31	4,800	.....	1,470	2,150	.....	12,000	.....	1,880	.....	2,640	2,860	.....
1926-27												
1	2,540	6,460	7,580	3,000	12,200	7,980	6,820	5,760	7,980	1,800	3,200	9,550
2	2,150	6,820	6,460	3,000	9,660	6,100	6,460	5,760	7,580	1,550	5,240	25,700
3	1,800	6,100	5,420	2,800	7,980	5,760	6,460	5,100	6,820	1,320	3,950	26,200
4	1,550	5,760	4,800	2,800	7,200	4,800	6,460	4,800	5,100	1,320	3,690	16,400
5	2,060	5,420	4,220	2,800	6,820	4,800	6,460	5,100	5,760	1,180	2,970	10,600
6	2,040	5,100	3,690	2,800	6,460	5,100	6,100	4,500	5,100	1,320	2,440	9,660
7	11,200	4,800	3,600	3,000	5,420	5,100	6,460	3,950	5,420	1,470	2,150	7,980
8	7,980	3,950	3,600	2,800	5,100	7,310	5,760	3,950	4,500	1,630	1,800	5,420
9	5,420	4,300	3,400	2,600	4,800	18,400	5,420	3,920	3,690	1,400	1,630	4,500
10	4,500	8,840	3,400	2,400	4,800	15,600	5,420	5,640	2,970	1,180	2,060	3,950
11	3,690	13,400	3,600	2,200	4,500	17,000	5,100	11,400	2,750	950	1,800	3,690
12	3,950	9,660	3,600	2,200	4,220	18,200	4,800	10,600	2,750	950	1,630	3,950
13	3,690	7,580	3,800	2,400	4,220	23,100	4,500	7,980	2,340	950	1,550	3,690
14	3,690	6,460	4,000	2,400	4,220	40,200	4,500	6,500	2,540	898	1,550	3,690
15	3,440	6,460	4,000	2,200	3,690	46,800	4,220	7,200	2,150	898	2,590	2,970
16	3,200	8,720	3,600	2,200	3,690	28,500	4,220	6,820	1,800	898	4,840	2,750
17	2,970	58,200	3,400	2,200	4,220	34,100	3,690	6,460	1,470	1,060	3,690	2,640
18	3,690	42,900	3,200	2,400	5,760	27,800	3,690	6,460	1,550	898	3,440	2,340
19	3,950	26,400	3,000	2,800	7,980	26,200	3,440	6,460	1,630	950	3,200	2,150
20	3,950	22,700	3,000	3,400	7,200	24,800	3,200	6,460	2,750	1,120	3,080	2,150
21	4,500	17,000	3,000	3,800	6,820	26,200	3,080	6,100	2,440	950	2,750	2,240
22	4,800	12,500	3,200	4,800	5,420	33,200	3,950	4,800	2,150	1,400	1,970	2,150
23	5,420	10,600	3,600	12,000	5,420	26,200	5,850	4,800	2,440	1,870	1,970	2,060
24	5,420	8,800	3,400	17,000	6,100	18,800	6,100	9,230	1,970	5,020	1,630	2,750
25	6,750	7,980	3,200	13,000	7,200	14,600	5,760	34,000	1,800	4,500	1,550	2,150
26	13,300	6,820	3,000	9,500	12,000	12,500	5,100	30,400	2,240	2,340	1,800	1,970
27	11,500	7,980	3,000	6,000	10,100	9,220	5,420	26,200	3,990	1,800	2,640	1,720
28	8,800	10,100	3,000	5,000	8,380	8,800	6,580	17,200	4,910	1,800	4,500	1,630
29	7,200	9,220	2,800	6,100	.....	7,980	7,580	13,500	3,370	1,720	11,300	1,550
30	6,100	8,380	3,200	7,580	.....	7,580	7,200	11,000	1,880	1,630	16,100	1,320
31	6,460	.....	3,200	10,100	.....	7,200	.....	8,380	.....	1,970	10,500	.....

Daily discharge, in second-feet, of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	1,250	4,500	15,500	13,500	2,970	4,800	9,220	27,600	5,420	35,500	4,500	6,280
2	1,180	4,500	13,500	12,500	3,200	4,500	7,980	24,100	5,100	26,900	4,800	4,500
3	1,060	9,020	15,500	8,800	3,200	3,690	7,200	18,800	4,800	17,600	5,420	6,240
4	2,750	25,200	17,000	7,200	3,080	2,970	7,200	16,400	4,220	13,500	4,220	10,100
5	13,200	36,800	13,000	6,460	2,970	2,970	6,820	16,400	8,100	11,500	3,690	7,580
6	7,500	24,100	12,000	6,460	2,540	2,750	7,980	17,600	18,500	21,300	4,500	5,760
7	4,800	20,600	10,500	6,460	2,440	2,540	10,100	16,400	32,900	17,600	6,820	4,950
8	3,950	15,200	24,000	6,820	3,200	2,300	12,000	12,000	22,000	11,500	7,200	4,500
9	3,690	10,600	44,500	7,200	9,220	2,240	10,600	9,660	15,200	7,980	5,760	3,950
10	3,690	10,100	30,000	5,760	7,580	2,750	9,660	8,380	15,200	7,580	6,100	3,950
11	3,200	9,220	22,700	5,100	6,460	2,750	8,800	7,200	15,800	7,200	6,100	3,690
13	6,670	7,980	17,000	4,500	4,800	2,970	12,000	6,460	11,500	6,100	7,200	3,110
12	2,860	8,380	16,000	4,500	5,760	5,100	12,500	5,420	9,220	5,760	6,820	2,840
14	20,100	7,580	30,400	4,220	4,220	9,220	12,000	5,420	7,980	9,220	5,420	3,060
15	11,500	6,460	28,300	4,220	15,200	8,800	11,500	4,800	7,200	16,500	4,360	3,130
16	10,600	5,760	23,000	4,220	21,300	7,580	11,500	4,220	6,460	10,100	3,950	2,670
17	10,100	7,120	19,000	3,950	17,000	5,420	10,600	3,950	5,100	7,580	3,950	2,580
18	14,900	43,800	16,000	3,690	7,980	5,420	9,220	3,690	4,220	5,760	5,100	2,770
19	54,600	31,300	14,000	3,440	7,580	5,100	8,380	4,800	5,100	5,100	4,800	2,790
20	56,900	25,800	13,000	3,200	6,820	4,220	7,580	10,600	10,100	4,500	4,500	2,900
21	41,900	20,000	11,500	2,970	5,100	3,690	6,820	15,200	8,380	4,220	3,690	2,950
22	26,900	15,800	10,100	2,540	3,690	3,690	7,580	11,500	9,660	3,690	3,560	2,950
23	18,800	12,000	9,220	2,540	7,000	3,950	20,000	13,500	10,600	3,690	3,950	2,360
24	15,800	12,000	7,580	2,340	12,000	4,500	33,200	20,000	8,380	6,100	3,820	2,230
25	11,500	11,500	5,760	3,200	15,000	13,500	29,000	13,000	8,800	5,420	3,560	2,460
26	9,660	11,000	4,800	7,980	9,000	17,600	20,000	10,100	13,000	4,220	4,250	2,500
27	7,980	12,000	3,950	5,420	6,100	18,800	15,200	8,800	14,600	3,950	16,600	2,460
28	6,820	20,200	3,440	3,950	5,420	17,600	17,000	7,980	14,000	10,100	12,000	2,460
29	5,760	20,600	3,950	3,690	4,800	15,800	23,400	7,580	11,000	11,000	8,590	2,460
30	5,100	19,400	6,100	3,440	.....	14,000	30,400	6,460	43,800	6,820	6,280	2,010
31	4,500	.....	10,100	3,200	.....	12,500	.....	6,100	.....	5,420	6,280	.....

NOTE.—No gage height record or records unreliable Jan. 1-5, Dec. 19-31, 1909; Feb. 11-15, 1910; Sept. 4, 5, 1919; Jan. 26-29, 1922; Dec. 1-5, 25, 1923; Feb. 6-12, Sept. 21, 22, 1926; Jan. 16-20, Dec. 1-4, 7-10, 12, 13, 16-18, 1927; Jan. 1, 2, and Feb. 23-26, 1928. Stage-discharge relation affected by ice Jan. 1-21, Feb. 11-15, Dec. 7-31, 1910; Jan. 1, 16, 17, Mar. 1, 2, 1911; Jan. 13 to Mar. 13, 1912; Feb. 16-19, 1913; Jan. 14-31, Feb. 15 to Mar. 23, Dec. 14-31, 1914; Jan. 1-7, Dec. 13-17, 1915; Feb. 11-21, 1916; Jan. 20 to Mar. 14, Dec. 10-31, 1917; Jan. 1 to Feb. 19, 1918; Dec. 21-31, 1919; Jan. 1 to Mar. 11, 1920; Jan. 4, 13-31, Feb. 1, 2, 17-20, Dec. 13-31, 1922; Jan. 1, 2, 16-31, Feb. 1-28, Mar. 1-24, 1923; Feb. 2 to Mar. 8, Dec. 10, 1924; Jan. 1 to Feb. 19, 1925; Jan. 12-15, Feb. 2 to Mar. 1, Dec. 7-31, 1926; and Jan. 1-28, 1927. Daily discharge when shown for these periods, determined by graphic study of gage height record, observers' notes, discharge measurements, weather records, and records of other stations in the Delaware River basin.

Daily discharge data republished from United States Geological Survey Water-Supply Papers 261, 281, 301, 321, 351, 381, 401, 451, 471, 501, 521, 541, 561, and 581; later data furnished by A. W. Harrington, district engineer, U. S. Geological Survey, Albany, N. Y.

Monthly discharge of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1905-1928.

[Drainag area, 3,070 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1904-5					
October 13-31	44,200	2,680	8,660	2.82	1.99
November	6,140	2,680	3,560	1.16	1.29
December	22,500	.....	4,000	1.30	1.50
January	35,600	.....	8,380	1.73	3.15
February	.....	.....	1,200	.391	.41
March	50,900	.....	14,800	4.82	5.56
April	25,600	4,090	9,300	3.03	3.38
May	3,830	1,920	2,860	.932	1.07
June	4,090	1,440	2,290	.746	.83
July	4,090	930	1,440	.469	.54
August	3,580	930	1,760	.573	.66
September	13,400	1,440	5,820	1.90	2.12
The year	50,900	.....	5,260	1.71	22.50
1905-6					
October	7,880	1,590	3,560	1.16	1.34
November	14,300	1,750	2,950	.961	1.07
December	41,300	3,110	8,140	2.65	3.06
January	17,900	2,890	5,940	1.93	2.22
February	15,300	.....	4,590	1.50	1.56
March	34,200	2,680	8,780	2.86	3.30
April	49,400	5,210	16,700	5.44	6.07
May	12,400	2,480	4,960	1.62	1.87
June	15,800	3,340	6,840	2.23	2.49
July	6,470	1,750	3,280	1.07	1.23
August	5,210	1,300	2,680	.876	1.01
September	2,480	1,170	1,680	.547	.61
The period	49,400	.....	5,840	1.90	25.85
1906-7					
October	10,700	1,170	3,190	1.04	1.20
November	17,900	2,480	5,540	1.80	2.01
December	9,830	2,680	4,880	1.59	1.83
January	32,100	.....	9,920	3.23	3.72
February	.....	.....	2,500	.814	.85
March	31,400	.....	10,800	3.52	4.06
April	11,500	4,090	6,430	2.09	2.33
May	7,520	3,119	5,100	1.66	1.91
June	5,820	1,590	3,260	1.06	1.18
July	2,680	820	1,520	.495	.57
August	820	400	595	.194	.22
September	5,210	280	1,830	.596	.66
The year	32,100	280	4,650	1.51	20.54
1907-8					
October	17,400	2,100	5,200	1.70	1.96
November	44,200	4,360	10,400	3.39	3.78
December	62,500	2,890	12,200	3.97	4.58
January	16,900	2,290	6,620	2.16	2.49
February	65,700	.....	7,920	2.58	2.78
March	44,900	3,830	15,800	5.15	5.94
April	21,300	4,640	10,800	3.52	3.93
May	26,200	3,340	10,600	3.45	3.98
June	4,640	930	1,990	.648	.72
July	4,360	540	1,150	.375	.43
August	820	340	531	.173	.20
September	1,440	175	316	.103	.11
The year	65,700	175	6,970	2.27	30.90

Monthly discharge of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1905-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1908-9					
October	7,520	465	1,290	0.420	0.48
November	3,580	1,440	1,870	.609	.68
December	3,110	930	1,500	.489	.56
January	42,800	1,000	9,090	2.96	3.41
February	108,000	2,840	18,200	5.93	6.18
March	23,900	3,310	9,350	3.05	3.52
April	30,500	5,820	11,500	3.75	4.18
May	31,200	2,610	12,100	3.94	4.54
June	9,020	1,340	4,140	1.35	1.51
July	2,190	680	1,030	.336	.39
August	1,650	390	725	.236	.27
September	600	330	395	.129	.14
The year	108,000	330	5,850	1.91	25.86
1909-10					
October	525	275	387	0.126	0.15
November	765	275	417	.136	.15
December	4,090	600	1,260	.410	.47
January	50,100	.....	6,260	2.04	2.35
February	9,780	1,420	3,890	1.27	1.32
March	67,300	5,930	19,600	6.38	7.36
April	37,300	3,320	8,850	2.88	3.21
May	12,500	2,260	5,420	1.77	2.04
June	6,620	1,900	4,040	1.32	1.47
July	1,900	520	990	.322	.37
August	2,450	390	709	.231	.27
September	1,570	390	752	.245	.27
The year	67,300	275	4,390	1.43	19.43
1910-11					
October	740	225	413	0.135	0.16
November	3,320	450	1,520	.495	.55
December	.....	.....	1,500	.489	.56
January	27,500	2,260	7,330	2.39	2.76
February	4,970	1,730	2,530	.824	.86
March	48,400	1,280	7,480	2.44	2.81
April	31,200	5,930	13,700	4.46	4.98
May	6,620	1,280	3,060	.997	1.15
June	30,500	1,570	6,610	2.15	2.40
July	2,260	740	1,130	.368	.42
August	4,380	438	901	.293	.34
September	4,970	1,110	2,160	.704	.79
The year	48,400	225	4,020	1.31	17.78
1911-12					
October	16,800	2,260	6,870	2.24	2.58
November	10,700	3,570	5,730	1.87	2.09
December	16,200	3,570	6,460	2.10	2.42
January	.....	.....	2,950	.961	1.11
February	.....	.....	3,330	1.08	1.16
March	47,600	.....	14,400	4.69	5.41
April	44,400	7,300	18,200	5.93	6.62
May	15,700	2,450	7,000	2.28	2.63
June	4,150	665	1,910	.622	.69
July	1,570	450	694	.226	.26
August	3,320	390	1,490	.485	.56
September	6,910	665	2,220	.723	.81
The year	47,600	390	5,940	1.93	26.34
1912-13					
October	23,900	1,030	4,040	1.32	1.52
November	14,100	2,450	4,830	1.57	1.75
December	19,200	2,650	6,590	2.15	2.48
January	50,900	5,800	14,900	4.85	5.59
February	6,530	2,260	3,430	1.12	1.17
March	84,000	2,260	15,600	5.08	5.86
April	18,000	3,080	8,940	2.91	3.25
May	13,500	1,690	4,300	1.40	1.61
June	7,350	780	2,640	.860	.96
July	880	455	593	.193	.22
August	880	330	485	.158	.18
September	2,430	330	648	.211	.24
The year	84,000	330	5,620	1.83	24.83

Monthly discharge of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1905-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1913-14					
October	5,930	600	1,970	0.642	0.74
November	40,400	1,380	6,420	2.09	2.33
December	5,600	2,430	3,690	1.20	1.38
January	.....	.....	2,820	.919	1.06
February	17,400	.....	5,860	1.91	1.99
March	92,700	.....	13,100	4.27	4.92
April	50,900	11,600	20,900	6.81	7.60
May	17,400	1,860	8,220	2.68	3.09
June	3,320	990	1,740	.567	.63
July	4,380	1,240	1,940	.632	.73
August	6,270	642	1,530	.498	.57
September	1,690	422	826	.269	.30
The year	92,700	422	5,730	1.87	25.34
1914-15					
October	990	292	538	0.715	0.20
November	1,530	366	686	.223	.25
December	2,640	.....	1,480	.482	.56
January	38,100	.....	10,800	3.52	4.06
February	41,200	3,580	12,100	3.94	4.10
March	11,600	2,290	4,260	1.39	1.60
April	26,800	2,290	6,240	2.03	2.26
May	6,470	2,680	4,000	1.30	1.50
June	2,890	1,050	1,840	.599	.67
July	33,500	1,750	6,470	2.11	2.43
August	14,600	2,209	5,710	1.86	2.14
September	8,270	2,100	3,560	1.16	1.29
The year	41,200	292	4,760	1.55	21.06
1915-16					
October	4,640	1,920	2,910	0.948	1.09
November	9,060	1,920	3,250	1.06	1.18
December	20,500	1,840	6,150	2.00	2.31
January	28,200	3,580	11,400	3.71	4.28
February	28,200	2,100	7,650	2.49	2.68
March	46,000	2,890	7,070	2.30	2.65
April	55,800	11,200	20,600	6.71	7.47
May	9,840	3,400	6,360	2.07	2.39
June	10,300	4,180	6,410	2.09	2.33
July	22,500	2,260	5,410	1.76	2.03
August	5,050	990	2,160	.704	.81
September	4,750	880	1,700	.554	.62
The year	55,800	880	6,740	2.20	29.84
1916-17					
October	5,360	880	1,980	0.645	0.74
November	3,910	1,390	2,030	.661	.74
December	12,100	2,260	4,740	1.54	1.78
January	36,500	1,900	6,380	2.08	2.40
February	7,500	1,000	2,010	.655	.68
March	53,400	4,000	16,900	5.50	6.34
April	27,500	3,650	10,400	3.39	3.78
May	8,200	2,690	4,800	1.56	1.80
June	32,700	5,680	10,700	3.49	3.89
July	9,840	2,070	4,790	1.56	1.80
August	4,460	1,390	2,520	.821	.95
September	4,460	780	1,480	.482	.54
The year	53,400	780	5,750	1.87	25.44
1917-18					
October	61,600	685	4,710	1.53	1.76
November	33,500	2,070	5,720	1.86	2.08
December	3,160	1,300	2,030	.661	.76
January	1,900	950	1,290	.420	.48
February	35,000	1,000	7,980	2.60	2.71
March	28,200	6,700	14,200	4.63	5.34
April	21,200	5,050	10,700	3.49	3.89
May	8,200	2,920	5,130	1.67	1.92
June	7,060	1,720	3,460	1.13	1.26
July	2,070	685	1,370	.446	.51
August	990	390	629	.205	.24
September	7,430	490	1,640	.534	.60
The year	61,600	390	4,880	1.59	21.55

Monthly discharge of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1905-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1918-19					
October	13,100	1,720	3,340	1.09	1.26
November	7,810	1,800	3,260	1.06	1.18
December	15,100	1,640	5,200	1.69	1.95
January	12,600	2,920	5,340	1.74	2.01
February	4,750	1,550	2,560	.834	.87
March	20,500	5,050	9,310	3.03	3.49
April	19,200	5,360	9,070	2.95	3.29
May	15,700	3,650	7,720	2.51	2.88
June	3,400	1,390	2,250	.733	.82
July	12,100	685	2,790	.909	1.05
August	9,840	1,550	2,770	.902	1.04
September	10,300	1,110	2,210	.720	.80
The year	20,500	685	4,670	1.52	20.64
1919-20					
October	3,650	1,130	2,000	.651	.75
November	25,300	3,400	8,650	2.82	3.15
December	12,100	1,900	5,830	1.90	2.19
January	1,800	1,200	1,500	.489	.56
February	1,500	1,200	1,330	.433	.47
March	50,900	1,100	21,200	6.91	7.97
April	32,000	6,700	13,500	4.40	4.91
May	7,810	2,470	4,980	1.62	1.87
June	10,300	1,800	3,490	1.14	1.27
July	29,700	1,800	5,120	1.67	1.92
August	8,600	1,720	3,670	1.20	1.38
September	15,700	1,550	4,140	1.35	1.51
The year	50,900	1,100	6,300	2.05	27.95
1920-21					
October	32,000	1,720	6,520	2.12	2.44
November	30,500	3,400	9,020	2.94	3.28
December	35,000	4,750	13,000	4.23	4.88
January	9,840	2,470	4,220	1.37	1.58
February	7,430	1,890	3,040	.990	1.03
March	58,300	7,430	18,500	6.03	6.95
April	13,600	3,650	7,870	2.56	2.86
May	16,200	1,800	5,250	1.71	1.97
June	2,260	780	1,270	.414	.46
July	3,650	880	1,840	.599	.69
August	2,690	685	1,550	.505	.58
September	2,920	525	901	.293	.38
The year	58,300	525	6,130	2.00	27.05
1921-22					
October	4,180	780	1,700	0.554	0.64
November	67,300	1,240	8,500	2.77	3.09
December	24,600	2,070	7,980	2.60	3.00
January	6,010	1,640	2,470	.805	.93
February	40,400	2,000	6,430	2.09	2.18
March	52,500	3,910	14,600	4.76	5.49
April	21,200	3,910	12,700	4.14	4.62
May	9,840	2,690	4,850	1.58	1.82
June	32,000	2,260	9,230	3.01	3.36
July	13,600	1,390	4,100	1.34	1.54
August	3,650	990	1,940	.632	.73
September	2,470	780	1,590	.518	.58
The year	67,300	780	6,320	2.06	27.98
1922-23					
October	3,040	600	1,170	0.381	0.44
November	990	685	824	.268	.30
December	1,700	685	1,010	.320	.38
January	12,600	1,500	4,440	1.45	1.67
February	.....	.....	2,600	.847	.88
March	38,700	11,100	13,800	4.50	5.19
April	48,300	3,210	12,100	3.94	4.40
May	18,400	2,850	7,970	2.60	3.00
June	6,990	1,090	2,620	.853	.95
July	3,090	515	1,060	.345	.40
August	3,210	590	1,150	.375	.43
September	6,290	970	2,000	.651	.73
The year	48,300	515	4,250	1.38	18.77

Monthly discharge of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1905-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923-24					
October	6,990	760	1,980	0.645	0.74
November	3,590	2,020	2,630	.857	.96
December	16,200	3,330	8,110	2.64	3.04
January	49,100	2,690	10,300	3.36	3.87
February	3,400	1,100	1,850	.603	.65
March	13,100	1,000	4,620	1.50	1.73
April	59,900	6,700	17,400	5.67	6.33
May	25,300	4,460	10,100	3.29	3.79
June	5,360	1,390	2,290	.951	1.06
July	4,750	780	1,740	.567	.65
August	2,360	685	1,070	.349	.40
September	11,900	780	1,680	.547	.61
The year	59,900	685	5,380	1.75	23.83
1924-25					
October	73,900	935	7,260	2.36	2.72
November	11,600	525	1,930	.629	.70
December	6,000	1,720	3,020	.984	1.13
January	1,800	1,000	1,300	.423	.49
February	80,000	1,000	12,600	4.10	4.27
March	13,700	5,220	8,820	2.87	3.31
April	11,800	4,610	7,160	2.33	2.60
May	8,380	3,140	4,900	1.60	1.84
June	3,770	940	1,970	.642	.72
July	13,700	1,240	3,540	1.15	1.33
August	5,220	940	2,630	.857	.99
September	15,300	740	3,490	1.14	1.27
The year	80,000	525	4,840	1.58	21.37
1925-26					
October	12,900	1,470	2,990	0.974	1.12
November	29,700	3,200	9,230	3.01	3.36
December	20,000	1,470	6,540	2.13	2.46
January	15,700	2,000	3,990	1.30	1.50
February	11,000	2,150	5,130	1.67	1.74
March	25,700	3,200	9,090	2.96	3.41
April	38,000	6,100	13,400	4.36	4.86
May	8,380	1,880	3,730	1.21	1.40
June	3,440	1,550	2,280	.743	.83
July	2,640	745	1,090	.355	.41
August	9,730	898	3,450	1.12	1.29
September	4,800	1,000	2,220	.723	.81
The year	38,000	745	5,250	1.71	23.19
1926-27					
October	13,300	1,550	5,090	1.66	1.91
November	58,200	3,950	12,000	3.91	4.36
December	7,580	2,800	3,740	1.22	1.41
January	17,000	2,200	4,750	1.55	1.79
February	12,200	3,690	6,480	2.11	2.20
March	46,800	4,800	17,400	5.67	6.54
April	7,580	3,080	5,330	1.74	1.94
May	30,400	3,920	9,240	3.01	3.47
June	7,980	1,470	3,460	1.13	1.26
July	5,020	898	1,570	.511	.59
August	16,100	1,550	3,650	1.19	1.37
September	26,200	1,320	5,650	1.84	2.05
The year	58,200	898	6,530	2.13	28.89
1927-28					
October	56,900	1,060	12,600	4.10	4.73
November	43,800	4,500	16,000	5.21	5.81
December	44,500	3,440	15,200	4.95	5.71
January	13,500	2,340	5,270	1.72	1.98
February	21,300	2,440	7,090	2.31	2.49
March	18,800	2,240	6,900	2.25	2.59
April	33,200	6,820	13,200	4.30	4.80
May	27,600	3,690	11,100	3.62	4.17
June	43,800	4,220	11,900	3.88	4.33
July	35,500	3,690	10,100	3.29	3.79
August	16,600	3,560	5,740	1.87	2.16
September	10,100	2,010	3,740	1.22	1.36
The year	56,900	1,060	9,900	3.22	43.92

NOTE.—Data republished from United States Geological Survey Water-Supply Papers 241, 261, 281, 301, 321, 351, 381, 401, 431, 451, 471, 501, 521, 541, 561, and 581; and later data furnished by A. W. Harrington, district engineer, United States Geological Survey, Albany, N. Y.

Delaware River at Belvidere.

LOCATION.—At Belvidere, Warren County, just below mouth of Pequest River.
DRAINAGE AREA.—4,540 square miles.
RECORDS AVAILABLE.—October 27, 1922, to September 30, 1928.
EQUIPMENT.—Inclined staff gage on left bank bolted to downstream side of storm sewer outlet at foot of Second Street, Belvidere.
CHANNEL AND CONTROL.—Channel is heavy gravel and boulders. Control is ledge and boulders about three-fourths mile below gage, known as little Foul Rift.
EXTREMES OF DISCHARGE.—1922-1928: Maximum stage determined by levels from high water mark, 19.3 feet at 2:00 P. M. October 1, 1924 (discharge, about 118,000 second-feet); minimum stage recorded, 2.45 feet in July and August, 1923 (discharge, 895 second-feet).

Daily discharge, in second-feet, of Delaware River at Belvidere, for the years ending September 30, 1923-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	.....	1,420	1,110	3,490	5,310	3,490	12,400	19,100	3,960	1,960	3,060	2,660
2	.....	1,420	1,360	12,000	5,020	3,490	11,400	14,400	3,720	1,810	2,660	1,810
3	.....	1,310	1,360	18,000	5,600	4,470	10,600	11,600	3,270	1,670	2,470	1,670
4	.....	1,420	1,360	12,400	6,840	5,900	12,400	9,400	3,720	1,670	2,290	1,310
5	.....	1,540	1,360	9,800	6,200	9,800	22,800	8,220	3,490	1,670	2,120	1,200
6	.....	1,540	1,670	8,220	5,310	14,400	59,500	7,520	3,720	1,810	1,960	1,200
7	.....	1,670	1,420	6,520	4,740	18,000	70,000	6,840	4,470	1,540	1,670	1,200
8	.....	1,420	1,400	5,600	4,470	16,400	41,000	6,200	5,600	1,540	1,670	1,260
9	.....	1,420	1,400	3,960	5,020	13,000	31,600	7,520	7,180	1,420	1,420	1,670
10	.....	1,420	1,420	4,470	5,020	11,600	25,400	15,400	7,180	1,310	1,310	2,120
11	.....	1,420	1,420	4,740	5,020	10,200	19,100	17,400	6,200	1,310	1,200	3,490
12	.....	1,420	1,670	4,740	4,470	11,600	16,400	13,900	5,020	1,260	11,50	2,660
13	.....	1,420	1,670	4,740	4,210	12,000	14,400	14,900	4,470	1,260	1,150	2,290
14	.....	1,420	1,420	4,470	4,210	13,400	12,900	16,900	3,720	1,260	1,100	1,810
15	.....	1,420	1,200	3,960	6,840	12,900	11,600	13,400	3,490	1,150	1,100	1,670
16	.....	1,420	1,260	2,860	5,020	14,400	10,200	12,000	3,270	1,260	1,100	1,540
17	.....	1,540	1,310	3,270	4,210	22,100	9,000	12,400	3,270	1,200	1,060	1,420
18	.....	1,670	1,200	3,490	4,210	47,000	8,220	13,400	3,060	1,100	1,010	1,360
19	.....	1,420	1,150	3,490	3,960	42,000	7,520	11,600	2,660	1,100	1,010	1,260
20	.....	1,420	1,310	3,270	3,720	32,300	7,180	9,800	2,660	1,060	1,010	1,260
21	.....	1,540	1,310	3,490	3,720	25,400	6,840	9,400	2,290	1,010	970	1,310
22	.....	1,960	1,310	5,020	3,490	25,400	6,520	11,100	2,120	1,010	970	1,420
23	.....	1,810	1,540	7,860	3,720	31,600	6,840	10,200	2,120	895	970	1,810
24	.....	1,360	1,540	11,100	3,720	69,000	6,520	8,600	2,120	895	895	3,060
25	.....	1,260	1,540	8,220	3,270	60,000	6,200	7,180	1,960	1,060	895	5,020
26	.....	1,150	1,670	7,520	3,490	42,000	5,600	6,520	1,670	930	895	4,210
27	.....	1,540	1,100	1,670	7,520	3,270	31,600	5,020	6,200	1,810	930	895	3,490
28	.....	1,540	1,100	1,670	7,860	3,270	26,000	4,470	5,600	1,960	970	930	2,660
29	.....	1,540	1,100	2,120	7,180	.....	20,900	7,520	5,020	1,960	2,860	1,010	2,290
30	.....	1,670	1,060	2,120	6,200	.....	17,400	26,000	4,740	1,960	3,960	1,310	2,290
31	.....	1,540	.....	1,960	5,310	.....	15,400	.....	4,470	.....	3,720	3,490	.....

Daily discharge, in second-feet, of Delaware River at Belvidere, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	2,360	4,070	15,900	6,940	6,620	2,740	21,000	9,810	6,940	3,600	1,370	1,430
2	2,180	4,580	26,200	6,620	6,300	2,740	15,900	10,600	6,940	3,150	1,310	1,310
3	2,010	4,070	17,900	7,690	6,300	2,550	12,800	11,400	6,300	2,740	1,200	1,150
4	1,850	4,070	13,700	8,680	5,690	2,740	12,300	10,200	6,300	2,550	1,200	1,100
5	1,700	3,370	11,400	10,600	5,990	3,150	15,000	10,600	5,690	2,550	1,310	1,010
6	1,560	3,150	12,800	8,320	6,300	4,580	21,600	12,300	5,400	2,270	1,310	1,100
7	1,560	3,150	19,900	6,940	5,400	5,990	75,000	10,200	5,400	2,010	1,260	1,150
8	1,560	3,370	18,900	6,620	5,120	7,270	89,000	9,430	5,690	2,270	1,150	1,310
9	1,430	4,070	15,000	6,940	5,120	7,960	46,800	10,600	6,940	3,150	1,100	1,430
10	1,430	4,320	12,800	7,270	4,070	7,270	32,800	12,800	5,990	5,400	1,100	1,850
11	1,370	4,070	11,900	13,200	3,600	6,620	28,100	13,200	5,400	4,850	1,200	2,100
12	1,310	3,600	11,400	53,400	3,600	6,620	24,400	15,900	5,120	3,830	1,630	4,070
13	1,310	3,370	11,000	33,500	3,150	5,990	19,900	32,200	4,580	3,150	1,850	3,150
14	1,310	3,370	9,810	24,400	3,150	5,690	17,900	32,200	4,580	2,550	1,700	2,460
15	1,260	3,150	9,050	17,900	3,150	5,400	17,900	30,100	4,580	3,370	1,700	2,100
16	1,260	2,940	8,320	14,100	3,150	4,580	17,900	33,500	4,070	3,600	1,560	1,930
17	1,200	2,740	7,270	25,600	3,150	4,070	15,000	25,600	3,830	3,150	1,430	1,850
18	1,150	2,740	6,940	33,500	3,370	4,320	14,600	21,000	3,600	2,740	1,430	1,700
19	1,100	2,740	6,300	22,100	3,150	4,580	22,100	18,900	3,370	2,270	1,200	1,560
20	1,200	2,740	5,690	16,900	2,360	4,850	28,100	17,900	3,150	2,180	1,100	1,430
21	1,200	2,740	5,690	14,600	1,850	5,400	23,800	15,500	3,150	2,010	1,150	1,370
22	1,150	2,550	5,690	11,000	3,150	5,690	20,500	14,100	3,150	1,930	1,260	1,370
23	1,310	2,550	7,270	6,300	3,150	6,300	23,300	12,800	2,740	1,780	1,430	1,430
24	2,740	3,150	10,600	6,940	3,150	8,680	22,100	11,000	2,940	1,700	1,370	1,430
25	5,400	3,370	12,300	8,320	2,940	13,200	17,900	11,400	2,940	1,560	1,260	1,500
26	11,400	3,830	10,600	9,810	2,740	13,200	15,500	10,600	2,740	1,430	1,100	1,630
27	8,320	3,600	8,680	7,610	2,740	11,900	13,200	9,430	2,740	1,370	1,260	1,630
28	6,300	3,370	8,230	5,990	2,740	11,000	11,900	8,680	3,150	1,500	2,460	1,310
29	5,120	3,370	8,320	5,690	2,740	11,000	10,600	8,320	3,150	1,430	2,180	1,430
30	4,580	5,120	7,960	5,690	.....	16,400	9,810	9,430	2,940	1,370	2,010	14,100
31	4,070	.....	7,270	6,300	.....	21,000	.....	7,610	.....	1,370	1,780	.....
1924-25												
1	91,000	1,700	3,600	2,940	2,360	13,700	15,500	6,620	5,120	2,940	6,620	1,500
2	66,000	1,700	3,600	2,740	2,270	14,600	15,000	7,610	5,120	2,940	5,990	1,430
3	30,800	1,700	2,940	2,550	2,180	12,800	14,100	7,610	5,400	2,550	5,120	1,310
4	18,900	1,630	2,940	2,940	2,010	11,900	13,200	6,940	4,850	2,270	4,580	1,310
5	13,700	1,630	2,940	3,150	2,100	10,600	12,800	6,620	4,850	2,180	3,830	1,370
6	10,600	1,560	3,830	2,940	2,100	10,200	11,900	6,300	4,070	2,550	3,600	1,370
7	9,050	1,560	4,580	2,800	2,180	10,600	10,600	5,990	3,600	3,830	3,600	1,500
8	7,610	1,560	5,120	2,600	2,270	11,400	9,810	5,690	3,150	3,150	3,370	1,850
9	6,620	1,500	6,940	2,600	2,740	11,900	8,680	5,400	2,740	2,940	3,600	2,360
10	5,990	1,500	7,610	2,400	3,370	11,900	7,960	5,120	3,830	3,150	4,580	2,550
11	5,400	1,430	7,610	2,460	6,940	11,400	7,960	5,690	4,070	2,740	5,990	2,360
12	4,850	1,370	6,300	2,400	96,000	11,400	7,610	8,320	3,600	3,150	5,690	2,010
13	4,070	1,370	5,990	2,200	68,000	13,200	7,610	11,000	2,940	3,830	4,850	2,360
14	3,830	1,370	5,690	2,200	38,400	12,800	7,270	9,430	2,460	2,940	4,850	3,150
15	3,600	1,370	4,850	2,200	25,600	12,300	6,940	8,680	2,550	2,740	5,990	15,000
16	3,370	1,370	4,580	2,180	26,200	13,200	7,960	7,960	2,740	2,100	5,690	11,900
17	3,370	1,430	4,320	2,270	22,700	12,300	7,960	7,960	2,740	2,270	4,850	13,700
18	3,150	1,500	4,580	2,270	18,900	12,300	7,610	7,610	2,460	1,930	4,070	10,200
19	2,940	1,310	6,940	2,180	15,900	15,000	6,940	7,270	2,270	3,150	3,600	7,960
20	2,740	1,200	7,960	2,100	14,100	17,900	6,940	6,620	2,180	2,740	3,370	6,620
21	2,740	1,200	7,270	2,100	13,200	15,900	12,800	5,690	1,850	2,460	2,940	5,400
22	2,550	1,700	4,580	1,900	13,700	13,700	11,400	5,400	1,850	2,360	2,940	4,580
23	2,550	4,070	3,150	1,800	16,400	11,900	9,810	4,850	1,630	4,320	2,740	4,320
24	2,360	11,900	3,600	1,800	21,600	10,600	8,680	5,120	1,500	10,200	2,550	3,830
25	2,180	9,810	4,070	1,800	28,100	9,430	7,960	6,940	1,930	6,620	2,360	3,370
26	2,010	6,940	3,600	2,360	25,000	8,680	7,610	8,680	2,010	5,400	2,180	2,940
27	1,930	5,990	3,400	2,550	21,600	7,960	7,960	7,960	2,100	6,620	2,010	2,740
28	1,930	4,850	3,200	2,200	15,900	9,810	7,960	6,620	2,180	12,300	1,850	2,550
29	1,850	4,320	3,000	1,800	.....	13,700	6,940	6,300	2,270	8,680	1,700	2,550
30	1,850	3,830	2,940	1,800	.....	16,400	6,300	5,690	2,550	6,940	1,630	2,360
31	1,780	.....	3,600	2,000	.....	15,000	.....	5,400	.....	6,300	1,560	.....

Daily discharge, in second-feet, of Delaware River at Belvidere, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	2,270	6,300	7,610	4,580	5,690	14,600	15,000	10,600	2,740	2,180	4,320	3,370
2	2,100	5,400	7,610	4,580	6,940	14,100	13,200	10,600	4,850	2,010	3,150	3,600
3	2,180	5,400	8,320	4,580	7,960	12,800	11,400	10,200	5,690	1,930	2,180	4,320
4	2,270	5,120	12,800	4,320	5,690	11,900	11,000	9,430	5,400	1,850	1,930	3,370
5	2,360	4,850	16,900	4,320	4,850	9,430	10,600	8,680	4,580	1,700	2,460	3,150
6	2,270	4,580	23,300	4,320	4,850	7,960	11,400	7,960	4,400	1,560	2,180	5,400
7	2,550	4,850	28,100	4,580	4,850	10,000	12,300	6,940	3,830	1,630	1,930	8,320
8	2,180	5,690	21,600	4,400	4,580	12,300	13,700	6,620	4,070	1,630	1,780	7,610
9	2,180	6,620	17,900	3,800	4,600	12,300	26,900	5,990	4,070	1,560	1,930	6,300
10	2,180	10,600	15,000	3,400	4,400	13,200	42,800	5,400	3,830	1,700	1,630	5,400
11	2,010	11,000	14,600	3,000	4,000	12,300	36,300	5,120	3,600	1,630	1,700	4,320
12	2,180	9,430	11,900	3,000	4,000	10,200	26,900	4,580	3,370	1,430	1,780	4,070
13	2,100	11,900	10,200	3,000	4,000	9,050	21,000	4,580	3,000	1,200	1,780	3,600
14	2,100	26,900	9,430	3,000	4,600	7,960	17,900	4,320	2,740	1,430	2,460	3,370
15	2,270	24,400	8,320	3,150	5,690	7,610	16,900	4,070	2,940	1,430	3,830	3,150
16	2,360	21,600	6,940	3,370	6,300	6,940	16,900	4,070	3,830	1,560	4,070	2,940
17	2,550	36,300	6,620	3,150	6,300	6,300	15,500	3,600	4,070	1,700	5,400	2,740
18	2,550	26,900	5,690	3,830	6,620	5,990	13,700	3,600	3,600	1,560	9,050	2,740
19	2,740	20,500	5,120	7,960	8,320	5,690	11,400	3,370	3,370	1,560	9,050	2,550
20	2,740	15,900	5,400	15,500	9,050	6,940	10,600	3,830	3,000	1,370	9,430	2,550
21	2,360	13,200	5,400	15,000	9,050	7,960	9,050	4,070	2,550	1,200	6,940	2,100
22	2,180	11,400	6,300	13,200	10,200	10,200	8,320	4,580	2,360	1,560	5,400	2,180
23	2,270	10,200	7,270	9,810	9,430	14,100	10,600	4,070	2,460	1,560	4,580	2,270
24	2,270	9,050	7,960	7,610	8,320	18,900	17,900	3,830	2,460	1,630	7,270	2,270
25	3,600	7,960	5,690	6,000	8,680	24,400	17,400	3,600	2,740	1,560	7,960	2,270
26	7,610	7,270	4,400	5,990	15,500	26,200	23,800	3,370	2,550	1,560	7,610	2,400
27	15,000	6,940	3,400	5,690	15,000	26,900	17,900	3,150	2,400	1,200	7,270	2,460
28	10,600	7,960	2,600	5,400	14,600	18,900	13,700	2,940	2,600	1,260	6,300	2,740
29	8,320	11,900	3,200	4,580	.....	15,000	12,800	2,940	2,550	1,150	5,400	3,370
30	7,270	9,430	3,600	4,070	.....	13,200	11,900	2,740	2,460	1,260	4,580	3,830
31	6,620	.....	4,320	4,580	.....	13,200	.....	2,740	.....	3,600	3,830	.....
1926-27												
1	3,830	9,050	11,400	4,580	14,100	13,700	10,600	9,430	10,600	3,600	4,580	14,600
2	3,370	10,200	11,400	4,580	13,200	12,300	10,200	7,960	10,600	3,370	6,620	24,400
3	2,940	9,430	9,430	4,070	12,300	10,200	9,050	7,960	9,050	3,150	7,960	36,300
4	2,740	8,680	8,680	4,320	11,900	9,430	8,320	7,610	7,610	2,940	6,300	22,700
5	2,270	7,500	7,500	5,120	11,400	8,680	9,050	7,270	7,610	2,550	5,120	16,400
6	3,370	7,270	5,400	4,850	9,500	7,960	9,430	7,270	8,320	2,360	4,580	13,200
7	7,960	6,300	4,850	4,400	9,050	8,320	9,430	6,620	7,610	2,360	3,600	10,600
8	11,900	5,990	6,300	3,800	8,320	9,430	10,600	5,690	6,940	2,360	3,370	8,680
9	8,320	5,690	6,940	3,600	7,960	16,900	9,810	5,120	5,990	2,360	4,000	7,610
10	6,300	10,600	6,940	3,400	7,610	22,700	8,320	6,940	5,400	2,180	4,000	6,620
11	5,400	18,900	7,270	3,400	7,610	19,400	7,270	11,900	5,120	2,180	3,830	5,990
12	5,120	15,000	7,500	4,000	6,940	22,100	7,610	14,600	4,850	1,930	3,370	5,990
13	5,400	11,900	6,620	4,580	6,620	25,600	7,610	12,300	4,320	1,930	3,150	5,990
14	5,120	10,000	6,940	4,320	5,990	39,900	6,940	9,810	4,320	1,850	4,580	5,690
15	5,120	9,050	6,620	4,000	5,990	58,800	6,300	9,430	4,320	2,550	8,320	5,400
16	5,120	17,900	5,690	3,600	5,990	50,000	5,690	11,400	4,070	2,270	9,430	4,850
17	4,580	72,000	5,690	3,400	6,620	34,900	5,400	11,900	3,830	3,150	6,940	4,320
18	4,070	65,300	4,850	3,600	8,320	29,400	5,400	10,200	3,600	2,550	5,990	4,070
19	4,850	37,700	4,580	4,320	11,000	29,400	5,690	9,810	3,370	2,270	5,690	3,830
20	5,990	31,500	4,320	4,850	10,000	31,500	5,990	9,810	6,300	2,010	5,120	4,320
21	6,300	24,000	4,320	5,690	9,430	28,800	5,690	9,430	6,300	2,010	5,990	4,580
22	7,270	18,900	5,120	7,270	9,810	40,600	6,620	7,960	5,120	2,010	4,070	4,070
23	7,270	16,400	5,120	18,000	10,200	31,500	8,680	6,620	4,580	3,600	3,830	3,370
24	7,000	14,600	5,400	26,000	10,600	23,800	10,600	9,430	4,070	5,990	3,830	3,150
25	10,200	12,800	5,120	19,000	13,200	19,400	8,320	29,400	3,830	6,940	3,600	3,370
26	17,400	10,600	4,850	14,000	17,400	16,900	8,320	36,300	4,070	5,120	3,150	2,940
27	16,900	12,300	4,320	9,000	18,400	15,000	7,960	30,800	5,400	4,320	4,580	2,550
28	13,700	15,000	4,070	7,500	15,500	13,200	11,000	23,800	6,620	4,320	8,320	2,550
29	11,900	12,300	5,120	9,000	.....	13,200	12,800	18,900	4,850	3,600	13,200	2,460
30	9,810	11,000	4,850	10,600	.....	12,300	11,000	14,100	3,830	3,370	22,100	2,550
31	9,000	.....	4,580	11,000	.....	11,400	.....	12,300	.....	3,600	17,900	.....

Monthly discharge of Delaware River at Port Jervis, N. Y., for the years ending September 30, 1905-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	2,360	7,610	21,000	16,400	5,690	8,680	15,900	32,200	7,960	63,200	7,610	10,200
2	2,360	6,940	18,400	18,400	5,690	8,320	13,200	32,200	7,610	39,200	7,270	10,200
3	2,180	10,600	21,000	13,700	5,400	7,960	12,300	25,600	6,940	24,400	7,270	10,600
4	3,370	37,700	23,300	9,050	5,120	6,300	11,900	21,600	6,300	18,900	7,610	17,900
5	15,900	55,200	18,400	8,320	5,990	5,690	11,400	18,400	8,320	16,400	6,940	15,000
6	12,300	37,000	16,400	7,960	6,620	5,400	11,900	16,400	19,400	30,100	7,270	11,900
7	7,610	25,600	15,000	8,320	6,940	5,120	13,200	17,900	37,700	27,500	8,680	10,200
8	6,300	21,000	27,500	9,430	8,320	4,850	15,000	16,900	30,100	18,900	11,400	9,050
9	5,690	16,900	64,000	9,430	9,050	5,120	18,900	14,600	20,500	14,600	9,430	8,320
10	5,120	14,600	41,300	9,810	13,700	4,580	16,400	12,800	19,400	12,800	8,320	6,940
11	4,850	13,700	28,100	9,050	13,200	4,580	14,100	11,000	21,600	11,900	11,400	6,620
12	4,070	13,200	23,300	7,960	9,810	4,580	13,200	10,200	15,900	11,000	12,800	6,300
13	6,620	13,700	22,700	7,270	7,610	5,690	17,400	9,050	13,200	11,400	9,430	5,690
14	22,100	11,400	30,800	6,940	6,940	7,960	15,900	7,610	11,400	17,400	7,960	5,990
15	18,900	11,400	40,600	7,610	15,000	6,400	19,900	7,270	10,600	26,900	7,270	5,990
16	13,700	10,600	31,500	6,940	29,400	3,700	22,700	7,270	10,200	20,500	5,690	5,400
17	11,000	10,600	26,200	6,940	17,900	10,200	17,400	6,940	8,320	15,500	6,940	4,580
18	14,100	30,100	22,100	5,990	13,700	8,680	14,600	6,300	7,610	11,900	10,600	4,850
19	50,800	58,800	17,400	5,990	11,900	7,960	14,100	7,610	7,270	10,200	10,200	4,580
20	84,000	35,600	15,500	6,940	9,050	7,960	11,000	12,300	10,600	9,050	7,960	4,580
21	58,800	25,000	14,100	5,400	8,680	7,270	10,200	16,900	12,800	7,270	6,940	5,400
22	40,600	19,900	12,800	4,320	6,620	7,270	11,900	15,900	12,800	7,610	7,960	4,850
23	28,100	17,900	12,300	4,320	9,430	7,270	17,900	14,600	14,100	10,200	7,610	4,580
24	21,600	15,900	11,000	4,070	15,000	6,940	32,800	25,600	14,100	12,800	7,270	3,830
25	17,400	15,900	9,050	8,680	22,100	9,810	37,000	17,400	13,200	10,600	6,940	4,070
26	15,000	16,900	7,270	13,200	15,000	19,400	26,200	13,700	20,500	7,610	9,050	4,070
27	13,200	15,500	6,940	11,400	10,600	21,600	21,600	11,400	21,600	7,610	25,000	4,070
28	11,900	18,400	7,270	7,610	9,810	24,400	21,600	10,200	21,000	9,810	25,000	3,830
29	10,600	22,700	7,960	5,120	9,050	17,900	29,400	10,200	17,900	15,900	17,900	3,830
30	8,680	23,800	8,680	5,400	.....	15,900	32,200	9,050	43,600	11,400	14,100	3,830
31	7,610	.....	10,600	5,690	.....	17,400	.....	8,320	.....	9,430	11,400	.....

NOTE.—Stage-discharge relation affected by ice Dec. 26-29, 1924; Jan. 7-10, 12-15, 22-25, 28-31, Dec. 26-30, 1925; Jan. 8-14, Feb. 9-14, 1926; Jan. 7-12, 15-17, and 23, 1927. No gage height record Dec. 8, 9, 1922; Sept. 13, 1925; Jan. 25, Mar. 7, Apr. 4, June 6, 13, 20, 27, 28, Sept. 26, Oct. 24, 31, Nov. 5, 14, 21, 28, Dec. 5, 12, 1926; Jan. 24-29, Feb. 6, 20, July 31, Aug. 9, and 10, 1927. Discharge for these periods determined by graphic study of gage heights, weather records, and records of gage heights of other stations in Delaware River Basin.

Monthly discharge of Delaware River at Belvidere, for the years ending September 30, 1923-1928.

[Drainage area, 4,540 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922-23					
November	1,960	1,060	1,420	0.313	0.35
December	2,120	1,100	1,480	.326	.38
January	18,000	2,860	6,480	1.43	1.65
February	6,840	3,270	4,550	1.00	1.04
March	69,000	3,490	22,100	4.87	5.62
April	70,000	4,470	16,500	3.63	4.05
May	19,100	4,470	10,400	2.29	2.64
June	7,180	1,670	3,470	.764	.85
July	3,960	895	1,500	.330	.38
August	3,490	895	1,440	.317	.37
September	5,020	1,200	2,080	.458	.51

Monthly discharge of Delaware River at Belvidere, for the years ending September 30, 1923-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923-24					
October	11,400	1,100	2,640	0.581	0.67
November	5,120	2,550	3,440	.758	.85
December	26,200	5,690	11,100	2.44	2.81
January	53,400	5,690	13,500	2.97	3.42
February	6,620	1,850	3,930	.866	.93
March	21,000	2,550	7,210	1.59	1.83
April	89,000	9,810	23,900	5.26	5.87
May	33,500	7,610	15,100	3.33	3.84
June	6,940	2,740	4,450	.980	1.09
July	5,400	1,370	2,540	.559	.64
August	2,460	1,100	1,430	.315	.36
September	14,100	1,010	2,080	.458	.51
The year	89,000	1,010	7,620	1.68	22.82
1924-25					
October	91,000	1,780	10,400	2.29	2.64
November	11,900	1,200	2,810	.619	.69
December	7,960	2,940	4,690	1.03	1.19
January	3,150	1,800	2,330	.513	.59
February	96,000	2,010	18,300	4.03	4.20
March	17,900	7,960	12,400	2.73	3.15
April	15,500	6,300	9,390	2.07	2.31
May	11,000	5,120	6,870	1.51	1.74
June	5,400	1,500	3,020	.665	.74
July	12,300	1,930	4,140	.912	1.05
August	6,620	1,560	3,820	.841	.97
September	15,000	1,310	4,220	.929	1.04
The year	96,000	1,200	6,790	1.50	20.31
1925-26					
October	15,600	2,010	3,690	.813	.94
November	36,300	4,580	12,000	2.64	2.95
December	28,100	2,600	9,600	2.11	2.43
January	15,500	3,000	5,610	1.24	1.43
February	15,500	4,000	7,290	1.61	1.68
March	26,900	5,690	12,500	2.75	3.17
April	42,800	8,320	16,600	3.66	4.08
May	10,600	2,740	5,210	1.15	1.33
June	5,690	2,360	3,400	.749	.84
July	3,600	1,150	1,620	.357	.41
August	9,430	1,630	4,490	.989	1.14
September	8,320	2,100	3,630	.800	.89
The year	42,800	1,150	7,110	1.57	21.29
1926-27					
October	17,400	2,270	7,110	1.57	1.81
November	72,000	5,690	17,300	3.81	4.25
December	11,400	4,070	6,190	1.36	1.57
January	26,000	3,400	7,090	1.56	1.80
February	18,400	5,990	10,200	2.25	2.34
March	58,800	1,960	22,200	4.89	5.64
April	12,800	5,400	8,320	1.83	2.04
May	36,300	5,120	12,300	2.71	3.12
June	10,600	3,370	5,750	1.27	1.42
July	6,940	1,850	3,060	.674	.78
August	22,100	3,150	6,360	1.40	1.61
September	36,300	2,460	8,100	1.78	1.99
The year	72,000	1,850	9,480	2.09	28.37
1927-28					
October	84,000	1,180	17,000	3.74	4.31
November	58,800	6,940	21,100	4.65	5.19
December	64,000	6,940	20,400	4.49	5.18
January	18,400	4,070	8,310	1.83	2.11
February	29,400	5,120	10,800	2.38	2.57
March	24,400	4,580	9,840	2.17	2.50
April	37,000	10,200	18,000	3.96	4.42
May	32,200	6,300	14,400	3.17	3.66
June	43,600	6,300	15,800	3.48	3.88
July	63,200	7,270	16,800	3.70	4.27
August	25,000	5,690	10,000	2.20	2.54
September	17,900	3,830	6,910	1.52	1.70
The year	84,000	2,180	14,100	3.10	42.33

Delaware River at Riegelsville.

LOCATION.—At suspension bridge between Riegelsville, Warren County, New Jersey, and Riegelsville, Bucks County, Pennsylvania, 600 feet above mouth of Musconetcong River and 9 miles below Lehigh River.

DRAINAGE AREA.—6,190 square miles.

RECORDS AVAILABLE.—July 3, 1906, to September 30, 1928.

EQUIPMENT.—1906 to November 14, 1914: Chain gage attached to upstream side of bridge.

November 14, 1914-1917: Staff gage in three sections on left bank (New Jersey side) at upstream side of bridge.

1917-February 28, 1924: Low section (to gage height, 7.0 feet) staff gage and chain gage at higher stages.

1924-1928: Water-stage recorder on left bank (New Jersey side) 20 feet above bridge.

CHANNEL AND CONTROL.—Control, rock outcrop and large boulders; practically permanent.

EXTREMES OF DISCHARGE.—1906-1928: Maximum stage recorded, 25 feet March 28, 1913 (discharge, about 144,000 second-feet); minimum stage recorded, 1.55 feet at 8:00 A. M. September 20, 1908 (discharge, 870 second-feet). Not including flow in canal.

The flood of October 10-11, 1903, reached a stage of 35.9 feet, determined by levels from three good flood marks. Maximum discharge during this flood has been estimated 275,000 second-feet at Riegelsville from observations made at Lambertville.

DIVERSIONS AND REGULATION.—The Delaware Division of the Pennsylvania Canal diverts about 230 second-feet from Lehigh River near its mouth from about the last of March to the middle of December each year. Daily distribution of flow affected slightly by water powers upstream.

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1909									
1	3,050	7,220	26,000	17,100	31,300	6,620	4,310	2,220	1,420
2	2,680	6,400	21,600	15,900	49,400	5,830	3,780	2,090	1,360
3	3,240	6,440	19,500	15,000	48,300	5,680	3,500	2,120	1,380
4	4,030	6,070	18,000	15,400	37,800	5,480	3,140	1,940	1,290
5	4,750	6,530	15,600	16,100	40,800	5,800	2,940	1,940	1,290
6	24,800	7,540	13,600	15,200	34,500	6,870	2,990	1,870	1,220
7	76,700	11,500	12,600	14,600	27,700	8,850	2,830	1,800	1,340
8	36,900	18,400	13,200	15,300	25,800	7,800	2,640	1,660	1,290
9	22,900	13,900	12,900	16,400	26,100	6,930	2,500	1,730	1,170
10	17,600	11,800	13,500	14,100	21,100	6,560	2,440	1,690	1,170
11	15,500	20,600	15,400	12,500	21,500	6,400	2,360	1,600	1,760
12	13,400	20,100	26,100	11,200	31,300	6,400	2,440	1,690	1,680
13	11,400	16,900	19,500	10,200	24,500	7,320	2,240	1,660	1,680
14	9,500	15,500	17,300	12,300	19,800	7,060	2,280	1,500	1,660
15	8,360	17,100	15,800	30,000	17,400	6,900	2,240	1,480	1,600
16	7,640	23,600	14,200	45,000	15,900	8,750	2,640	1,690	1,580
17	6,190	52,400	13,100	36,400	14,900	8,290	2,560	2,220	1,660
18	6,400	49,300	11,600	27,200	13,400	8,990	2,280	2,360	2,030
19	6,310	33,800	10,600	22,500	13,200	12,700	2,320	3,010	1,560
20	5,190	49,100	10,300	19,300	11,900	12,300	2,160	3,030	1,630
21	5,950	99,100	9,430	21,000	10,700	9,810	2,010	3,010	1,500
22	5,830	60,100	8,820	21,600	10,300	8,560	2,220	2,560	1,440
23	6,440	40,200	8,420	20,600	9,530	7,480	2,680	2,400	1,470
24	7,190	47,500	7,960	24,000	9,470	6,620	4,160	2,360	1,660
25	9,700	60,800	9,880	21,900	8,790	6,370	3,520	1,970	2,050
26	28,300	55,300	30,000	19,000	7,860	5,830	3,360	1,940	1,800
27	21,500	41,300	35,200	17,100	7,510	5,250	3,210	1,760	1,760
28	16,100	31,100	25,600	16,200	7,830	5,050	2,940	1,640	1,870
29	12,600	.....	24,000	15,800	8,360	4,800	3,080	1,470	1,580
30	10,600	.....	22,300	23,200	7,770	4,480	2,600	1,500	1,740
31	9,230	.....	19,600	.....	7,250	.....	2,480	1,480	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1909-10												
1	1,760	1,380	1,800	1,460	9,570	86,500	15,100	27,900	9,330	5,080	1,740	1,830
2	1,680	1,440	1,830	2,110	8,490	93,500	13,300	23,000	8,690	4,530	1,740	1,920
3	1,480	1,520	1,870	2,390	2,460	83,800	11,700	19,300	8,290	4,260	1,920	2,010
4	1,480	1,420	1,850	1,820	8,190	64,600	10,500	17,400	8,290	3,750	1,290	2,700
5	1,630	1,440	1,580	1,920	7,640	51,900	10,000	16,800	7,320	3,750	1,920	2,810
6	1,500	1,290	1,810	2,020	6,100	44,700	9,530	15,500	8,490	3,500	2,010	2,810
7	1,350	1,170	1,900	2,700	4,370	47,400	9,810	13,700	9,350	3,140	1,830	3,260
8	1,420	1,340	1,810	3,410	4,770	64,200	11,200	12,200	9,840	3,380	1,830	3,500
9	1,410	1,440	1,850	2,840	5,330	49,100	11,000	11,900	8,750	3,500	2,300	3,140
10	1,290	1,320	1,520	2,500	5,590	38,700	9,880	12,300	7,960	3,140	2,300	3,030
11	1,340	1,320	1,520	2,100	5,300	29,400	8,960	11,800	8,850	3,380	2,500	2,600
12	1,520	1,350	1,380	1,800	4,910	24,600	8,360	11,300	10,200	3,140	4,530	2,400
13	1,990	1,320	1,680	1,600	5,770	22,300	8,030	9,910	12,300	2,920	3,500	2,300
14	1,580	1,220	17,300	1,500	5,620	22,400	8,160	9,190	11,700	2,700	2,810	2,200
15	1,580	1,260	11,700	1,500	5,710	21,600	8,030	8,190	10,000	2,700	2,600	2,920
16	1,600	1,350	9,130	1,400	5,800	18,700	7,220	7,960	9,020	2,400	2,810	2,300
17	1,560	1,120	7,450	1,400	6,130	16,700	6,930	7,380	10,300	2,400	2,300	2,100
18	1,480	1,220	6,070	1,500	8,660	15,900	13,100	7,060	10,900	2,700	2,200	2,010
19	1,630	1,280	4,310	1,800	7,450	14,200	30,900	6,930	13,100	2,600	2,010	2,010
20	1,380	1,340	4,050	2,000	6,710	13,900	31,200	6,810	11,900	2,500	1,830	1,920
21	1,470	1,190	3,600	5,000	15,600	16,300	26,700	7,800	11,700	2,500	1,920	1,830
22	1,520	1,360	3,310	59,500	25,300	21,500	22,300	8,160	9,500	2,500	1,920	1,830
23	1,420	1,470	3,050	94,600	21,900	21,200	18,600	7,380	8,160	2,500	2,100	1,660
24	1,560	1,410	3,450	50,800	17,900	20,000	16,600	7,350	7,160	2,300	1,830	1,580
25	1,850	1,690	3,170	32,700	16,300	21,300	29,200	9,910	6,310	2,300	1,740	1,580
26	1,740	1,900	3,100	22,900	13,800	23,800	43,900	13,600	5,710	2,200	1,740	1,420
27	1,630	1,730	2,100	18,900	14,100	29,300	66,700	17,200	5,620	2,100	1,580	1,500
28	1,580	1,500	2,460	16,100	21,600	22,100	48,900	15,800	5,330	2,200	1,280	1,740
29	1,520	1,760	2,140	14,200	.....	18,400	34,200	13,700	5,020	2,010	1,420	1,740
30	1,480	1,730	1,840	11,500	.....	16,300	31,300	11,600	5,360	1,830	1,660	1,740
31	1,380	.....	1,650	10,700	.....	15,400	.....	10,100	.....	1,580	1,420	.....
1910-11												
1	1,740	1,350	3,500	8,490	8,160	6,870	24,500	11,600	5,360	4,530	2,600	26,600
2	1,830	1,280	3,260	10,200	7,510	7,510	18,800	12,700	5,650	4,260	2,400	17,100
3	1,740	1,420	3,140	15,400	6,560	7,510	15,400	12,000	5,360	4,000	2,300	12,400
4	1,660	2,400	2,810	45,700	7,830	6,250	13,500	11,200	4,530	4,000	2,810	9,500
5	1,500	4,000	2,700	31,000	10,200	5,360	16,300	10,500	4,530	3,750	2,600	7,830
6	1,420	4,530	2,700	18,400	7,190	5,360	18,400	9,160	4,530	3,380	2,600	6,870
7	1,500	4,530	2,700	14,200	5,950	5,080	36,300	8,490	4,800	3,500	2,400	7,830
8	1,420	4,000	2,700	13,100	5,950	4,530	43,100	7,830	5,650	3,380	2,700	7,510
9	1,350	3,750	2,010	12,700	5,650	4,530	35,100	7,190	5,650	3,750	2,700	8,490
10	1,420	3,500	2,200	10,500	5,080	4,800	29,900	7,190	5,080	3,380	2,600	8,490
11	1,420	3,260	2,300	9,590	5,360	6,560	25,600	6,870	4,260	3,380	2,400	8,490
12	1,350	3,140	2,100	8,490	5,650	5,950	23,000	6,560	10,900	3,260	2,400	11,200
13	1,200	3,750	1,830	8,820	6,560	7,190	20,700	5,950	44,400	3,260	2,100	8,490
14	1,280	5,080	2,100	11,600	6,250	7,510	19,300	5,650	54,600	3,140	2,010	7,510
15	1,200	4,530	2,200	16,300	5,650	10,200	23,000	5,650	45,700	3,750	1,920	6,560
16	1,200	4,000	2,100	19,700	4,530	14,600	31,600	5,360	29,300	3,260	2,010	6,560
17	1,200	3,750	2,010	13,500	4,800	12,000	26,100	5,080	22,100	3,140	1,920	5,950
18	1,200	3,500	1,920	10,200	5,360	11,600	27,600	5,360	19,700	5,360	1,830	5,360
19	1,200	3,380	2,400	8,820	7,510	10,200	18,000	5,650	15,800	4,000	1,920	5,080
20	1,280	2,920	2,600	8,160	6,250	9,500	20,200	5,950	13,100	3,750	1,580	4,800
21	1,280	2,920	2,010	8,820	5,080	9,160	28,200	5,650	10,500	3,260	1,580	4,260
22	1,280	3,030	2,100	9,160	5,080	8,820	25,000	5,360	9,160	4,000	1,740	4,260
23	1,200	2,920	2,010	8,490	5,080	10,900	26,600	5,080	8,490	3,380	1,500	4,000
24	1,500	2,810	2,810	6,870	4,800	14,200	24,000	4,800	8,160	3,500	1,580	4,000
25	1,500	3,260	2,500	6,250	4,800	13,900	20,700	4,530	7,830	5,080	1,830	3,750
26	1,420	2,700	5,080	6,250	6,870	11,200	17,500	4,530	7,510	4,530	2,500	3,750
27	1,350	2,810	4,800	5,950	7,830	12,700	15,400	4,260	7,190	3,750	2,810	3,380
28	1,500	3,260	5,360	7,190	8,490	50,400	14,200	4,000	6,870	3,260	3,140	3,380
29	1,350	3,500	5,650	8,490	.....	51,100	13,100	4,000	6,250	3,140	3,500	3,750
30	1,130	3,380	6,250	18,000	.....	29,900	12,400	3,750	5,950	2,700	13,500	5,080
31	1,200	.....	5,950	12,400	.....	32,700	.....	4,000	.....	2,810	18,000	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1911-12												
1	5,080	11,200	12,700	12,000	4,530	13,500	41,800	29,300	7,830	2,400	1,830	2,700
2	12,700	10,500	11,200	10,900	4,800	10,900	43,800	23,500	6,870	2,400	1,740	3,140
3	14,200	10,900	10,500	10,900	4,260	9,160	51,800	20,200	7,190	2,200	1,830	4,000
4	12,700	9,500	10,200	10,900	4,260	8,160	59,500	17,500	7,510	2,200	1,740	5,650
5	10,200	8,820	9,500	8,490	4,000	7,830	39,300	14,600	6,870	2,100	1,830	5,360
6	8,820	8,490	8,820	5,650	3,750	6,560	31,000	14,200	6,870	2,200	1,740	4,530
7	8,490	10,900	8,820	5,650	4,000	6,870	27,700	14,600	7,510	2,200	1,580	4,260
8	9,500	10,900	8,490	5,650	4,000	7,510	31,600	18,800	7,190	2,200	1,580	4,800
9	11,200	10,200	8,490	5,360	3,730	7,830	38,100	20,700	6,560	2,200	1,580	4,260
10	9,840	9,500	2,160	5,360	3,140	7,510	29,300	21,100	5,950	2,010	1,740	3,750
11	8,820	8,820	8,490	5,650	3,500	9,160	24,000	18,400	5,360	2,100	5,650	3,260
12	8,820	8,490	8,490	6,870	3,260	9,500	21,100	16,700	4,800	2,500	8,820	2,920
13	8,160	9,160	8,490	6,250	3,260	45,700	19,300	14,600	4,530	2,300	5,950	2,920
14	7,510	10,900	8,160	5,650	3,260	32,700	18,800	13,500	4,260	2,200	5,360	2,600
15	6,870	11,600	8,490	6,250	3,380	45,700	18,000	13,100	4,260	2,600	4,000	2,500
16	6,560	10,900	10,500	5,650	3,380	83,000	17,500	12,700	4,260	2,600	3,750	3,750
17	6,560	10,200	15,400	5,950	3,500	79,300	31,000	19,300	4,530	2,400	3,140	4,000
18	10,900	12,400	17,100	6,250	3,500	49,700	36,900	21,100	4,260	2,810	2,920	3,260
19	26,100	18,800	15,000	6,870	4,000	43,800	46,400	18,400	4,000	2,600	3,500	3,380
20	29,900	22,600	13,500	7,830	4,530	44,200	44,400	16,300	4,000	2,920	5,080	3,500
21	24,000	18,400	11,200	7,510	6,250	39,300	35,700	14,600	3,750	3,380	4,800	3,500
22	25,000	15,400	10,900	7,190	25,000	31,000	28,200	12,700	3,260	3,380	4,260	3,380
23	31,600	13,900	14,600	7,510	10,500	25,000	24,500	11,600	3,140	2,810	4,260	3,140
24	36,300	13,900	20,200	7,830	10,200	25,000	22,600	10,900	3,260	2,700	4,260	3,140
25	30,400	13,900	22,600	6,870	12,000	26,000	20,200	10,200	3,140	2,600	4,530	10,200
26	24,000	13,500	18,400	5,950	12,700	23,500	18,400	9,500	3,140	2,200	5,080	14,600
27	19,700	12,400	18,000	5,650	22,100	20,200	16,700	8,820	3,140	2,010	4,260	13,900
28	17,100	11,200	18,400	5,080	16,300	20,700	16,300	7,830	2,920	1,920	4,000	11,600
29	15,000	12,000	15,400	5,080	14,200	27,700	14,600	7,510	2,700	1,830	3,750	8,820
30	13,500	12,000	12,400	5,080	.....	68,200	21,100	8,160	2,550	1,830	3,140	7,830
31	12,000	.....	12,000	5,080	.....	58,100	.....	8,160	.....	1,830	2,920	.....
1912-13												
1	6,560	9,160	6,560	21,600	11,600	13,100	35,100	25,600	12,400	2,700	2,010	2,100
2	6,250	10,500	6,560	20,200	11,200	21,100	31,000	21,100	10,500	2,700	7,190	1,920
3	5,460	9,500	10,500	20,200	10,200	13,500	24,500	18,000	9,500	2,500	3,750	1,740
4	5,080	9,160	19,700	35,100	9,500	11,600	22,100	15,400	8,490	2,400	3,140	1,660
5	4,800	8,160	19,700	43,100	7,510	10,900	20,700	13,500	7,830	2,300	2,500	2,100
6	4,260	7,510	17,100	31,000	7,830	10,200	20,200	12,700	10,200	2,400	2,200	1,740
7	4,000	7,190	20,200	25,600	6,250	8,820	18,800	11,600	8,160	2,600	3,140	1,660
8	3,750	13,500	20,700	28,800	5,650	6,560	16,300	10,200	7,190	2,500	2,700	3,030
9	3,500	18,400	17,100	72,600	6,250	6,870	14,600	9,500	7,190	2,300	2,500	2,010
10	3,380	18,800	14,200	49,100	6,780	7,190	13,500	8,490	6,870	4,260	2,400	1,830
11	4,000	19,700	12,400	35,100	6,250	10,200	13,100	8,160	5,950	2,700	2,200	1,660
12	4,260	13,500	11,600	31,000	6,250	11,600	26,600	7,830	5,360	2,300	2,100	1,740
13	3,500	11,600	9,500	34,500	5,360	11,600	33,900	7,510	5,080	2,400	1,920	1,740
14	3,750	11,200	8,490	28,800	5,080	17,500	29,900	6,870	4,800	3,030	1,920	1,500
15	3,500	10,500	7,510	21,100	5,650	45,100	27,700	6,560	4,530	2,500	1,830	1,580
16	3,260	9,840	8,160	19,700	5,950	47,000	27,100	6,250	4,530	2,400	1,830	1,580
17	3,030	8,820	8,490	19,300	6,250	37,500	22,600	6,250	4,000	2,200	1,920	1,350
18	2,920	8,160	7,830	20,700	5,650	28,200	19,700	5,950	3,750	2,300	2,100	1,500
19	2,810	7,510	8,820	24,500	5,650	22,600	17,500	5,950	3,500	2,300	1,920	1,500
20	2,700	7,190	12,000	24,000	5,650	23,000	15,800	5,650	3,500	2,100	1,830	1,660
21	2,810	6,870	15,000	21,100	5,950	28,200	13,900	5,360	4,260	1,920	1,920	1,830
22	2,810	6,560	12,000	20,700	6,250	28,200	12,700	5,360	4,260	1,920	1,740	5,650
23	4,530	6,250	10,500	20,200	9,160	25,600	12,000	5,650	4,000	1,830	1,920	5,080
24	13,500	6,560	9,840	18,400	7,830	21,600	11,600	10,900	3,750	1,660	1,920	5,360
25	30,400	9,160	8,160	18,400	7,830	21,100	10,900	13,100	3,500	2,600	1,830	5,080
26	29,300	8,820	7,510	17,500	8,160	23,000	10,200	12,000	3,260	2,400	1,830	4,000
27	21,600	8,820	8,820	15,800	7,510	53,200	10,200	9,840	3,500	2,010	1,740	3,260
28	16,700	8,160	11,200	15,000	13,900	139,000	33,900	9,500	3,750	2,200	1,580	2,600
29	14,200	7,510	9,500	13,500	.....	93,800	38,100	10,500	3,500	2,200	1,740	2,600
30	12,000	6,870	10,200	12,000	.....	56,700	33,300	16,300	3,380	2,200	1,660	2,400
31	10,200	.....	17,500	11,600	.....	41,800	.....	14,600	.....	2,100	1,830	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913-14												
1	2,600	7,190	9,160	7,830	30,400	6,560	53,900	22,100	5,650	3,750	4,800	3,030
2	6,560	6,560	9,160	6,870	31,000	5,080	53,900	19,700	5,360	5,080	4,000	3,380
3	5,950	6,259	8,160	7,190	24,500	5,080	56,700	16,700	5,080	5,650	4,260	3,380
4	5,360	5,650	7,830	8,160	20,200	5,950	47,700	15,000	5,080	5,080	3,750	3,140
5	4,530	5,360	7,510	9,160	18,800	6,870	36,300	14,200	5,950	4,530	3,380	2,920
6	4,000	5,080	7,190	8,820	18,000	7,830	28,800	20,700	7,190	4,260	3,260	3,030
7	3,500	4,800	7,510	7,830	16,300	6,870	25,600	27,100	6,560	4,800	3,030	3,030
8	3,380	4,530	10,200	7,830	14,600	6,250	23,500	21,600	6,250	6,870	3,030	2,700
9	3,260	8,160	13,100	7,510	10,900	6,560	44,200	18,400	5,950	5,950	3,260	2,500
10	3,140	39,300	12,700	7,190	9,840	5,950	69,000	18,000	6,250	5,650	2,920	2,300
11	3,030	49,700	10,900	7,190	9,840	5,560	43,100	16,300	6,250	6,870	3,030	2,200
12	3,750	29,300	9,840	5,950	6,250	5,360	33,900	16,700	5,650	7,410	3,750	2,200
13	4,260	21,100	9,160	3,750	5,360	5,650	29,900	22,100	4,800	8,160	3,500	2,010
14	3,750	16,700	8,820	3,260	6,250	5,950	26,600	32,100	4,260	7,510	3,500	2,100
15	3,500	15,000	8,820	4,260	5,360	7,190	22,600	25,600	4,000	7,510	3,500	1,920
16	3,260	14,200	8,490	4,530	6,250	10,900	23,000	22,600	3,750	6,870	3,260	1,830
17	3,030	14,600	8,160	5,360	6,560	13,100	24,500	19,300	3,500	6,250	3,140	1,920
18	3,030	13,100	7,830	4,800	6,870	19,300	23,500	16,700	3,260	5,650	2,600	1,920
19	2,700	12,400	7,190	5,080	7,190	14,600	21,600	14,600	3,260	8,160	2,600	1,740
20	3,750	12,000	6,870	5,360	6,870	15,400	20,700	13,100	4,530	5,650	2,600	1,740
21	6,250	11,600	6,250	4,530	6,870	14,200	31,600	12,400	3,260	5,360	3,380	1,660
22	8,160	11,200	6,560	5,950	6,560	13,900	47,700	10,900	3,500	4,800	4,800	1,660
23	9,500	10,900	6,870	6,650	6,560	12,000	34,500	9,500	3,380	4,260	7,510	1,580
24	7,510	9,840	10,500	7,190	5,650	11,200	26,100	8,820	4,530	4,000	6,560	1,500
25	10,200	9,160	10,200	15,000	5,360	11,600	21,100	8,160	4,530	4,260	5,080	1,500
26	14,600	8,820	14,600	8,160	5,650	14,200	24,000	7,830	4,530	5,080	4,000	1,660
27	15,800	8,160	13,900	7,830	5,950	23,000	38,700	7,510	4,000	5,080	3,750	1,500
28	13,500	8,160	11,200	7,510	6,250	90,000	34,500	8,490	3,750	5,080	3,380	1,500
29	10,900	8,160	9,500	8,160	.....	30,000	27,100	7,830	4,260	6,560	3,200	1,500
30	9,160	8,490	8,160	8,490	.....	90,700	23,500	6,870	4,530	5,650	3,140	1,500
31	8,160	.....	7,830	11,600	.....	64,600	.....	6,250	.....	5,360	3,030	.....
1914-15												
1	1,500	1,280	2,360	3,260	15,900	25,600	5,650	8,820	6,250	2,700	4,800	10,500
2	1,500	1,420	2,600	3,030	33,300	21,600	5,360	8,160	5,950	2,810	5,950	9,160
3	1,500	1,350	2,400	2,700	36,900	18,800	5,360	7,830	5,650	5,650	6,870	7,830
4	1,420	1,420	2,400	2,810	21,600	15,400	5,080	7,510	5,360	6,560	11,660	7,190
5	1,350	1,280	2,400	2,810	18,800	13,900	5,590	7,830	5,080	6,870	20,700	6,250
6	1,500	1,200	2,200	2,810	23,000	12,700	5,650	8,160	4,800	6,250	25,000	5,950
7	1,420	1,350	2,600	23,500	29,300	12,700	5,950	7,830	4,530	5,950	19,300	6,250
8	1,420	1,280	5,650	33,900	26,100	12,000	6,870	7,510	4,260	5,360	17,500	5,950
9	1,500	1,350	5,650	36,900	19,700	10,900	7,190	7,190	4,000	5,360	16,700	5,950
10	1,660	1,420	6,560	21,600	14,600	10,200	7,190	7,190	3,750	35,700	15,400	6,250
11	1,500	1,420	5,650	16,300	12,400	9,500	8,820	6,870	3,500	19,300	12,400	5,360
12	1,420	1,280	5,080	15,800	12,400	9,500	30,400	6,250	3,500	12,700	10,900	5,080
13	1,500	1,280	4,530	56,700	13,900	8,820	35,700	6,560	3,750	10,200	12,000	4,530
14	1,420	1,420	5,360	51,100	13,100	8,160	25,000	6,560	4,000	12,700	10,500	4,260
15	1,280	1,280	3,750	34,500	14,600	8,160	18,800	5,950	3,500	12,700	9,500	4,260
16	1,580	2,500	3,380	25,600	33,300	7,830	15,400	5,360	4,530	11,600	8,820	4,260
17	2,100	3,380	3,260	20,700	47,000	7,830	13,500	5,650	4,000	8,820	8,490	4,000
18	2,200	2,810	3,380	22,600	29,300	7,190	11,600	5,360	4,530	7,510	7,510	4,000
19	2,400	2,810	3,140	43,100	22,600	6,870	10,500	5,650	4,800	7,830	6,560	4,800
20	2,700	2,810	3,500	68,200	18,800	6,560	9,500	5,360	4,260	7,190	5,950	5,360
21	2,400	3,380	4,000	48,400	17,100	6,250	9,160	5,080	4,260	6,870	5,650	8,820
22	2,400	2,300	4,530	32,100	15,800	6,560	8,490	7,510	4,000	7,510	8,820	9,500
23	2,200	2,200	3,260	24,500	15,400	6,250	8,160	12,400	3,750	6,560	18,000	13,900
24	2,010	2,010	3,140	23,000	17,500	6,250	8,160	12,000	3,750	5,650	24,000	9,840
25	2,100	1,920	3,030	21,100	62,400	5,950	8,160	11,600	3,500	5,360	17,100	7,510
26	1,920	1,660	2,810	20,200	78,600	6,250	7,510	10,900	3,500	5,080	13,500	6,560
27	1,830	1,920	2,600	17,500	54,600	6,250	7,190	9,500	3,380	5,080	12,400	6,250
28	1,580	2,010	2,700	15,400	33,900	6,870	7,510	9,160	3,030	5,650	10,200	5,650
29	1,420	2,100	2,810	13,500	.....	6,560	6,870	8,490	2,920	5,650	9,500	5,650
30	1,580	2,200	3,500	10,200	.....	5,950	7,190	7,830	2,700	5,080	10,500	5,080
31	1,500	.....	3,500	8,160	.....	5,950	.....	7,190	.....	5,080	11,200	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-16												
1	4,420	3,880	6,230	14,300	22,600	17,500	90,700	19,700	10,500	8,820	13,100	3,880
2	4,710	3,630	5,920	15,000	30,400	16,700	86,100	17,500	9,500	7,490	10,900	3,390
3	5,310	3,390	5,610	20,700	25,600	13,900	90,700	15,800	8,480	9,160	9,500	2,940
4	6,850	3,390	5,310	22,600	19,300	11,600	58,800	15,000	8,820	7,490	8,480	2,840
5	6,540	3,390	5,310	18,000	16,300	10,900	49,700	14,600	11,600	7,490	7,490	2,730
6	6,540	3,390	5,010	18,800	15,400	9,500	38,700	13,900	9,840	7,170	7,170	2,530
7	6,540	3,280	4,420	24,000	14,600	7,830	36,900	12,400	9,160	6,230	6,850	2,530
8	7,490	3,390	4,420	19,700	12,000	9,500	33,300	11,600	11,600	5,610	6,540	2,730
9	6,850	3,390	4,140	13,900	10,200	8,820	29,900	11,600	12,700	5,310	5,610	2,840
10	5,920	3,390	3,880	13,100	10,500	9,160	27,700	12,400	12,700	6,230	5,920	2,530
11	5,610	3,390	3,390	13,100	9,840	8,820	25,000	11,200	11,600	9,500	5,610	2,340
12	5,010	3,390	3,160	14,200	8,820	8,160	23,000	9,840	11,600	9,500	5,610	2,530
13	4,710	3,390	3,390	14,600	7,820	8,820	26,100	9,160	10,900	9,160	5,920	2,250
14	4,710	3,280	3,160	17,100	5,310	11,600	33,300	8,150	9,840	9,160	5,610	2,250
15	4,420	3,390	2,940	12,400	6,230	10,500	54,600	8,150	9,160	12,000	5,010	2,530
16	4,140	3,880	3,160	11,200	6,540	8,820	50,400	8,150	8,820	11,200	4,140	5,920
17	4,140	4,420	4,140	10,500	7,490	7,170	38,100	9,160	18,400	8,480	4,420	8,150
18	4,140	4,710	5,310	8,150	8,150	7,170	33,900	11,600	26,600	9,840	3,880	6,230
19	4,420	5,010	15,400	6,850	7,170	7,490	31,000	12,700	21,100	8,480	3,630	5,610
20	4,710	9,160	29,900	7,170	6,230	7,490	26,100	11,600	18,800	7,820	3,390	4,420
21	5,920	13,500	21,600	7,490	6,230	7,820	22,600	10,200	17,100	6,850	3,390	3,630
22	5,010	12,000	15,800	9,500	5,920	8,480	21,600	9,160	16,300	10,200	3,160	3,390
23	5,010	10,200	13,100	14,200	6,230	7,490	23,000	9,160	14,600	7,490	2,940	3,160
24	4,420	9,160	12,700	34,500	6,540	7,490	26,100	11,200	12,400	6,540	2,940	3,160
25	3,880	8,150	12,400	23,500	7,490	7,820	22,600	13,900	10,900	6,540	2,940	2,940
26	3,880	7,490	15,400	19,700	17,100	10,900	20,700	12,000	10,900	23,000	2,940	3,880
27	3,880	7,170	29,900	21,600	31,000	15,400	21,100	10,200	10,500	63,100	2,840	3,280
28	3,880	6,850	30,400	30,400	27,100	21,600	24,500	9,160	10,200	46,400	4,140	3,050
29	4,420	6,540	26,600	43,100	19,300	33,900	26,600	9,500	12,000	29,300	3,880	2,840
30	4,140	6,230	18,800	34,500	.....	46,400	22,600	14,200	10,200	21,600	3,880	3,160
31	3,880	.....	16,300	25,600	.....	81,600	.....	12,400	.....	15,800	3,880	.....
1916-17												
1	2,940	3,280	10,900	6,850	8,820	9,500	29,300	7,170	10,900	15,000	4,420	8,150
2	3,160	3,390	16,300	6,850	8,820	10,500	35,100	7,490	10,500	12,400	5,010	6,850
3	3,390	3,390	11,600	6,850	5,610	11,600	47,700	8,480	13,100	11,200	5,610	6,230
4	3,160	3,160	10,200	7,490	5,310	9,500	42,500	7,820	12,000	11,600	3,880	5,310
5	2,940	3,280	8,820	8,820	6,540	8,150	31,000	8,480	11,200	9,840	3,390	4,710
6	2,730	3,280	8,150	16,700	4,420	6,230	31,600	10,900	10,500	8,150	3,390	4,140
7	2,530	3,160	7,490	15,800	5,310	6,230	30,400	13,900	11,600	7,490	3,390	3,880
8	2,530	3,160	6,850	17,100	5,310	7,170	29,300	13,500	14,200	6,850	3,880	4,140
9	2,630	3,390	6,230	14,600	5,610	8,820	23,500	13,100	18,400	6,850	9,840	7,170
10	2,250	3,160	6,850	13,100	3,880	9,500	21,600	13,900	16,300	8,480	11,200	3,880
11	2,160	3,050	6,850	12,000	4,420	11,600	18,800	13,100	17,100	9,840	9,500	3,630
12	2,160	2,940	6,850	7,490	3,880	19,700	16,700	12,000	28,800	13,100	8,480	3,390
13	2,080	3,390	6,850	6,850	3,880	16,300	15,800	10,500	47,000	15,000	8,150	3,280
14	2,080	3,390	5,610	14,600	4,140	16,300	15,400	9,840	30,400	12,700	7,170	3,160
15	2,160	3,160	5,310	22,100	4,140	18,000	14,200	9,500	27,700	13,500	5,920	2,940
16	2,080	2,940	4,140	23,500	4,710	15,800	13,100	8,480	28,800	12,000	7,170	2,730
17	2,160	3,050	3,630	20,700	3,880	15,400	12,000	7,820	23,000	10,500	7,820	2,530
18	2,250	3,160	3,390	15,400	3,880	17,100	10,900	7,820	19,300	11,600	6,230	2,630
19	2,440	2,840	3,880	13,900	4,420	13,900	10,500	7,490	15,800	8,820	5,610	2,340
20	5,010	2,840	3,630	11,200	4,420	12,000	11,200	6,850	14,200	7,820	5,310	2,440
21	9,840	2,840	4,140	10,200	4,420	11,200	11,200	6,540	15,000	7,170	4,710	2,340
22	7,490	2,730	5,310	12,700	4,710	10,900	13,100	6,230	13,900	6,850	4,710	2,340
23	8,480	2,730	8,820	12,700	3,880	11,600	12,700	5,610	12,000	7,490	4,140	1,990
24	6,850	3,630	10,900	9,840	10,200	15,400	11,200	5,920	10,900	7,170	5,920	2,080
25	5,610	5,310	12,400	9,500	8,480	45,700	10,500	5,610	12,700	6,850	5,610	1,990
26	5,010	6,850	10,900	7,490	6,230	56,000	9,500	5,610	11,600	6,850	9,840	1,990
27	4,420	6,540	9,840	6,540	6,230	58,100	8,820	5,310	10,900	6,230	7,820	2,080
28	4,140	5,010	9,160	7,170	8,150	86,100	8,480	5,310	18,800	6,920	5,920	1,990
29	3,880	4,710	9,500	6,850	.....	78,600	8,150	7,490	19,300	5,610	5,010	2,080
30	3,630	6,230	8,150	9,500	.....	51,800	7,820	11,200	15,400	5,010	5,010	1,990
31	3,630	.....	6,850	10,900	.....	39,300	.....	12,700	.....	4,710	5,610	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-18												
1	1,990	62,400	5,610	2,340	3,390	44,200	12,000	13,900	14,600	4,710	3,880	4,140
2	1,990	34,500	5,610	2,340	3,390	32,700	11,600	14,600	12,400	4,140	2,940	2,340
3	1,990	24,000	5,920	2,340	3,390	31,600	12,400	13,900	10,200	4,140	2,730	2,530
4	1,990	18,800	5,610	2,340	3,390	29,300	15,000	12,700	8,820	4,140	2,530	2,440
5	1,990	15,000	5,610	2,160	3,390	25,600	14,600	12,000	7,490	3,880	2,340	2,340
6	2,160	12,400	5,010	2,160	3,390	23,500	13,100	10,900	7,490	3,880	2,530	2,440
7	2,080	10,900	4,420	2,160	3,390	33,300	11,200	10,200	7,490	3,390	2,340	2,340
8	1,990	9,840	3,880	2,080	3,390	35,700	9,840	9,500	8,150	3,160	2,160	2,250
9	2,340	8,820	2,730	2,160	3,280	24,500	10,900	8,820	7,820	3,160	2,160	1,990
10	2,250	8,150	2,160	2,160	3,390	25,600	16,300	8,480	6,850	2,940	1,990	1,990
11	2,160	7,490	2,840	1,990	3,390	22,600	21,600	8,480	7,490	3,160	1,990	1,820
12	2,162	6,850	2,940	7,820	3,390	20,700	19,700	8,480	6,850	3,050	1,990	1,820
13	2,630	6,540	2,940	8,820	3,630	18,800	18,400	8,480	7,490	3,050	2,340	1,990
14	2,940	6,230	2,940	7,490	5,920	23,500	19,700	10,200	7,820	3,390	3,160	1,990
15	3,390	5,610	3,160	7,170	10,500	36,900	23,500	12,700	8,820	3,880	3,390	1,990
16	4,140	5,610	3,390	5,610	13,100	30,400	29,300	12,700	7,490	3,630	2,940	2,160
17	4,140	5,610	3,630	5,310	13,100	25,600	31,000	10,900	6,540	3,390	2,840	1,990
18	3,160	4,710	3,880	5,010	11,600	25,600	31,600	9,500	5,610	3,630	2,340	1,990
19	2,940	4,710	3,880	4,710	13,900	28,800	34,500	8,480	5,010	3,390	2,080	1,990
20	3,390	4,420	3,880	4,240	50,700	28,800	35,100	8,150	4,420	2,940	1,820	2,440
21	4,140	4,420	4,140	4,710	65,300	32,100	35,100	8,480	4,140	2,730	1,820	3,630
22	5,310	4,710	4,140	5,010	46,500	33,300	38,100	10,900	5,920	2,730	1,660	4,710
23	5,610	5,610	4,420	4,710	27,700	34,500	46,400	10,900	8,150	2,530	1,660	4,710
24	5,310	7,490	4,140	5,010	22,600	31,000	38,100	10,200	9,160	2,530	1,580	4,420
25	8,150	8,150	3,880	4,710	20,700	26,600	33,300	9,160	7,490	2,630	1,580	3,880
26	10,500	6,850	3,390	3,880	66,800	22,600	24,500	8,480	6,230	2,530	1,500	3,399
27	11,6 0	5,010	3,160	3,880	59,500	19,700	20,700	7,820	5,310	2,340	1,500	4,420
28	9,160	4,710	2,940	3,880	52,500	17,100	18,000	17,500	5,010	2,340	1,420	7,490
29	9,840	4,420	2,530	3,880	.....	14,200	16,300	12,400	4,420	2,340	1,500	7,820
30	13,900	4,710	2,530	3,390	.....	13,100	14,600	11,200	3,880	2,340	1,580	7,170
31	73,300	.....	2,340	3,390	.....	12,400	.....	12,700	.....	4,710	1,660	.....
1918-19												
1	6,230	5,920	5,010	13,100	9,160	12,000	17,100	10,500	8,150	6,230	9,160	4,710
2	5,310	8,480	4,420	17,100	7,490	23,000	15,400	11,600	7,490	5,610	8,150	4,420
3	4,420	7,490	4,420	21,100	6,850	29,900	13,900	12,400	7,170	5,010	7,490	4,420
4	4,420	6,850	4,140	24,500	6,850	21,600	13,100	12,000	6,230	4,140	6,540	5,130
5	4,140	6,850	3,880	23,000	7,170	18,800	13,100	10,900	5,920	3,630	5,610	8,480
6	4,140	6,350	3,880	21,600	6,850	16,700	14,600	9,500	6,850	3,390	6,850	6,540
7	4,420	6,230	4,140	17,500	5,920	15,800	15,400	9,160	7,820	3,630	9,500	5,920
8	12,400	5,610	3,880	14,600	5,610	14,200	14,600	9,500	6,540	3,880	17,500	5,310
9	10,500	5,010	3,630	12,700	5,310	18,000	14,600	8,820	6,850	3,630	13,500	5,010
10	7,820	4,710	3,390	10,900	5,010	33,300	15,800	10,200	6,850	3,390	9,840	4,420
11	6,540	4,420	3,390	9,160	3,880	36,300	14,200	18,400	6,230	3,880	8,150	5,010
12	5,610	4,140	3,880	7,820	4,140	26,600	16,700	28,800	5,610	3,390	6,850	5,920
13	5,610	3,880	4,420	7,490	3,880	25,600	21,200	24,500	5,010	2,730	6,850	5,610
14	5,010	3,880	5,920	7,170	5,310	21,100	25,600	21,100	4,710	2,940	10,200	5,010
15	4,420	3,390	10,900	8,150	8,150	17,100	21,600	19,300	5,010	3,880	9,840	4,420
16	4,140	3,280	14,600	8,480	11,200	15,800	18,800	17,100	7,820	4,420	8,480	4,140
17	4,140	3,630	15,000	8,150	10,200	17,100	25,000	17,100	7,490	3,630	8,820	3,630
18	3,880	4,420	16,300	10,200	12,400	22,100	35,100	20,700	7,170	3,280	9,840	4,140
19	3,630	7,170	12,700	9,840	9,840	25,000	29,300	18,800	6,850	5,010	9,500	3,880
20	3,390	9,500	10,200	8,480	6,230	23,000	24,000	16,300	6,540	7,490	8,820	3,880
21	3,390	7,820	8,480	8,150	5,920	20,700	18,800	15,400	6,230	13,500	8,150	3,390
22	4,420	6,850	8,480	7,490	6,230	18,400	16,300	18,800	5,310	20,700	8,480	3,390
23	5,010	5,610	8,820	8,840	5,920	16,700	15,000	20,700	4,710	32,100	7,170	3,280
24	4,420	5,310	8,820	13,100	6,350	14,600	13,900	21,100	4,420	27,700	6,230	3,880
25	3,880	5,010	10,200	17,100	7,170	13,500	13,500	20,700	3,880	21,600	6,230	5,010
26	3,630	4,710	11,600	17,100	8,820	12,400	13,100	17,100	4,420	15,800	5,920	4,710
27	3,390	4,420	12,400	15,400	10,200	11,600	12,400	15,400	7,490	13,900	5,010	4,140
28	3,390	3,880	13,900	13,900	9,500	18,000	11,200	13,900	10,900	12,700	4,710	3,880
29	3,630	5,010	15,000	11,600	.....	23,000	10,900	12,400	8,820	11,200	4,420	3,630
30	3,880	5,010	12,400	10,900	.....	20,200	10,500	10,500	7,490	9,840	4,420	3,390
31	4,140	.....	10,200	9,500	.....	18,400	.....	9,500	.....	9,160	4,710	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-20												
1	3,390	7,280	24,500	5,310	3,050	2,340	55,300	14,200	5,010	4,420	9,500	5,310
2	3,880	13,100	22,600	5,500	3,050	3,390	48,400	14,200	5,010	5,010	9,160	4,420
3	4,420	19,300	19,700	5,000	3,050	3,390	56,700	14,200	5,010	5,610	7,490	3,880
4	3,880	23,000	15,400	5,000	2,940	4,140	48,400	14,200	5,010	5,610	6,540	3,880
5	3,160	25,000	13,100	5,000	3,050	5,310	56,000	13,900	5,010	7,490	5,920	3,390
6	3,390	22,100	10,900	5,000	3,390	7,820	49,700	13,500	6,230	6,230	5,310	3,390
7	3,630	19,300	11,600	5,000	4,710	4,420	48,400	12,700	8,820	5,010	5,610	8,820
8	3,390	18,000	12,700	5,500	4,800	3,390	32,100	9,500	8,480	4,710	5,610	8,820
9	3,050	15,800	14,200	7,000	3,600	3,630	27,100	10,200	6,850	4,140	5,310	6,850
10	3,160	13,500	15,400	9,500	3,200	5,920	22,600	8,820	6,230	4,420	4,710	7,820
11	3,160	11,600	15,400	7,280	2,800	7,820	22,100	8,820	5,920	3,880	4,420	8,150
12	3,630	12,400	15,000	6,230	2,530	25,600	18,400	9,160	5,010	3,880	5,610	9,500
13	4,420	17,100	18,800	5,500	2,440	27,100	18,400	10,900	5,010	3,880	6,540	18,800
14	4,420	22,600	18,000	5,000	2,530	120,000	20,200	12,400	5,010	6,230	8,150	18,000
15	5,610	22,100	16,000	4,800	2,530	56,000	26,000	12,400	5,920	6,540	11,600	14,200
16	6,230	19,300	16,000	4,400	2,530	48,000	19,300	13,900	5,310	6,850	13,100	9,160
17	7,170	16,300	16,000	4,200	2,530	62,000	21,600	13,100	5,010	6,230	11,600	9,500
18	8,150	13,900	14,000	3,800	3,390	64,000	23,500	8,820	7,170	5,010	12,000	8,150
19	7,490	12,000	12,000	3,800	4,140	52,000	21,100	8,820	18,000	4,420	14,600	7,170
20	6,540	11,200	13,000	3,800	3,630	44,000	18,400	8,150	14,200	7,490	13,100	6,230
21	5,610	10,200	12,000	4,400	3,390	35,000	18,800	7,820	11,200	7,170	10,900	5,610
22	4,710	8,820	10,200	4,420	3,630	33,000	20,700	11,200	9,500	6,230	10,500	4,420
23	4,710	8,150	8,150	4,420	3,880	32,700	19,700	11,600	8,150	15,400	8,150	5,010
24	5,920	8,480	7,500	4,420	4,140	48,400	19,300	11,600	7,490	18,000	7,170	5,010
25	5,610	7,820	7,000	3,880	3,880	63,800	18,400	9,840	6,540	35,000	6,230	4,420
26	5,010	10,200	6,000	3,880	3,630	89,200	16,300	9,500	5,610	32,100	5,920	3,880
27	4,420	13,900	6,000	3,880	3,390	102,000	14,600	8,820	5,010	18,000	5,010	4,710
28	5,610	27,700	5,610	3,880	2,340	92,300	14,200	8,480	4,710	17,100	4,400	4,140
29	5,310	28,800	5,310	3,880	2,250	63,100	14,600	6,540	4,140	13,100	4,200	5,010
30	5,310	26,600	6,230	3,280	.....	61,700	14,600	6,540	3,880	10,900	4,420	7,170
31	6,540	.....	6,230	3,050	.....	54,600	.....	6,230	.....	9,500	5,010	.....
1920-21												
1	18,000	8,150	18,000	10,500	7,170	18,800	20,700	18,000	5,920	5,310	5,310	1,990
2	43,100	7,490	40,000	10,200	5,920	24,500	25,600	25,000	5,610	3,880	4,420	1,900
3	31,600	8,150	55,000	10,900	6,230	29,300	24,500	23,500	5,010	3,880	4,420	1,900
4	18,800	14,600	44,000	12,400	6,230	48,400	20,200	20,700	4,710	3,630	5,920	1,900
5	17,100	15,800	36,000	11,600	6,230	43,800	18,400	23,500	5,010	3,390	4,710	1,900
6	14,600	12,700	30,000	10,500	6,850	32,100	16,300	21,600	4,420	3,050	4,420	1,820
7	14,600	10,200	30,000	10,200	8,820	28,800	15,000	19,700	4,420	2,840	3,880	2,440
8	10,900	9,500	26,000	9,500	7,490	43,100	13,900	17,500	4,140	2,630	4,420	2,250
9	9,840	8,820	22,000	9,500	8,150	62,400	13,500	14,600	3,880	2,440	4,140	2,080
10	8,820	8,150	18,000	8,480	8,150	90,000	13,500	13,100	3,630	2,840	4,140	1,990
11	8,150	7,820	16,700	7,820	7,490	80,800	12,400	11,600	3,390	3,390	4,140	1,900
12	7,170	7,820	15,400	7,820	8,150	49,700	11,200	10,900	3,390	4,140	3,880	1,820
13	6,540	6,850	13,900	6,850	6,850	44,200	10,200	11,600	3,390	5,010	3,390	1,820
14	6,540	6,230	15,400	8,150	6,850	39,900	9,840	13,900	3,280	3,880	3,390	1,820
15	6,540	6,230	36,000	14,600	6,850	35,700	9,500	13,100	3,050	3,880	3,630	1,900
16	6,230	5,610	44,000	18,400	6,540	31,000	10,500	11,600	3,050	5,310	3,390	1,990
17	6,230	7,170	34,000	16,700	6,850	29,300	10,200	10,200	2,940	5,310	3,160	1,990
18	5,920	8,820	26,000	10,900	8,150	26,600	18,000	9,160	3,050	5,610	2,940	1,900
19	5,820	15,400	20,000	7,170	9,840	24,500	20,700	8,150	2,940	4,710	2,940	1,820
20	5,610	13,900	17,100	6,850	8,150	20,700	18,800	7,490	2,840	14,200	2,840	1,820
21	5,310	12,000	14,600	8,150	6,540	18,800	16,300	7,170	2,730	7,490	2,840	1,900
22	4,710	11,200	14,200	10,200	6,850	18,000	14,200	6,850	2,530	6,850	2,840	3,390
23	4,420	14,200	16,300	11,200	8,820	17,100	13,100	6,540	2,440	6,850	2,630	3,390
24	4,420	30,000	17,100	12,000	8,150	15,800	21,600	6,540	2,440	5,310	2,440	4,420
25	4,140	38,000	18,000	10,900	6,230	21,100	26,100	6,230	2,340	4,710	2,530	3,880
26	3,880	28,000	14,600	9,500	5,920	27,100	22,600	6,850	2,530	3,880	2,340	3,280
27	3,630	22,000	12,400	7,490	7,170	28,200	18,800	7,490	2,630	3,630	2,250	2,940
28	5,310	18,000	11,600	6,230	13,100	25,000	17,100	6,850	2,440	3,390	2,250	2,630
29	5,920	16,700	10,900	6,540	.....	22,100	15,000	6,540	3,050	3,280	2,160	2,440
30	8,480	15,000	10,200	7,170	.....	19,300	14,600	5,920	4,420	3,280	2,080	2,440
31	8,480	.....	10,900	8,480	.....	17,100	.....	5,610	.....	3,630	2,080	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	2,250	2,940	44,400	5,610	3,630	15,000	30,400	8,480	6,230	14,200	3,590	5,010
2	2,160	2,940	32,100	4,420	9,160	12,700	28,200	7,820	6,540	20,700	3,330	4,420
3	2,080	3,630	36,900	3,050	15,000	10,900	26,100	7,490	9,500	24,500	3,330	4,420
4	2,160	3,880	47,000	3,880	9,500	10,500	25,000	7,490	27,100	26,600	5,310	5,310
5	2,340	5,010	33,900	5,920	9,840	10,900	27,100	17,100	39,300	20,200	5,310	6,540
6	2,340	4,140	26,600	7,490	10,900	13,100	25,600	21,600	34,500	16,300	5,310	5,310
7	3,050	3,880	21,100	6,850	10,200	19,700	26,600	19,700	32,700	13,100	4,710	5,010
8	2,730	3,630	17,100	9,500	8,480	79,300	26,100	16,300	27,100	10,900	3,860	4,710
9	2,630	3,390	14,600	7,490	7,170	76,300	26,100	14,200	20,700	9,840	3,590	4,420
10	2,530	3,390	12,400	6,540	6,850	47,000	25,600	12,400	17,100	8,820	3,860	4,420
11	2,440	3,390	11,600	6,230	6,540	37,500	22,600	10,900	15,000	8,150	4,140	3,860
12	2,940	3,280	10,900	3,880	6,850	36,300	21,600	9,840	14,200	7,170	3,590	3,860
13	2,940	3,630	10,200	4,420	6,540	33,300	34,500	9,160	16,300	6,540	3,330	4,140
14	2,940	3,630	9,500	3,880	5,920	31,000	29,900	8,820	15,000	6,540	3,080	4,140
15	3,390	3,880	8,820	4,140	5,920	33,300	29,900	8,820	12,000	5,610	2,840	4,140
16	3,390	3,630	6,850	4,420	5,610	34,500	39,300	8,150	10,200	5,310	2,720	3,860
17	2,840	5,010	6,540	4,420	4,420	29,900	33,300	7,170	9,160	4,710	2,600	3,200
18	2,730	5,010	6,850	4,420	4,420	23,000	29,900	7,490	8,820	4,710	2,480	2,840
19	2,530	5,610	11,600	5,010	5,010	19,700	28,200	10,200	28,800	5,610	2,370	2,720
20	2,730	9,500	16,300	5,310	6,850	21,600	26,600	21,600	18,800	5,310	2,370	2,480
21	2,730	11,600	12,000	5,610	12,400	28,800	21,600	24,000	15,000	5,010	2,160	2,600
22	3,630	14,200	9,160	5,310	10,500	31,000	19,700	17,500	13,500	4,420	2,600	2,370
23	5,920	11,200	6,540	5,010	13,500	23,500	17,100	14,600	12,700	4,140	2,600	2,160
24	5,010	9,160	7,820	4,420	23,000	20,200	15,400	12,400	11,600	3,880	2,260	2,160
25	4,420	8,480	8,480	3,630	34,500	18,800	13,900	10,900	10,900	3,880	2,370	2,160
26	3,630	8,150	8,150	3,050	25,600	18,800	12,400	10,500	9,500	3,880	2,480	2,160
27	3,390	9,500	7,820	2,840	20,700	18,800	11,200	10,200	8,480	3,880	2,960	1,960
28	3,280	11,200	6,850	2,730	17,500	23,000	10,200	9,500	8,150	3,880	4,710	1,960
29	3,050	80,800	6,850	3,160	.....	38,100	9,500	8,150	7,490	3,590	5,310	1,960
30	2,840	85,400	5,310	3,880	.....	39,900	9,160	7,170	7,490	4,140	4,420	1,770
31	2,940	.....	4,710	3,880	.....	32,100	.....	6,540	.....	4,140	4,140	.....
1922-23												
1	1,680	1,860	1,590	5,010	6,500	5,010	18,800	23,500	5,610	2,720	4,710	3,900
2	1,680	1,770	1,770	11,600	7,170	5,920	15,000	18,000	5,310	2,480	4,140	3,000
3	1,590	1,960	1,770	22,600	7,490	7,820	13,500	13,900	5,010	2,260	3,860	2,300
4	1,590	1,860	1,770	17,100	8,150	13,900	15,000	11,600	5,310	2,160	3,330	1,900
5	1,590	1,860	1,770	12,700	7,820	18,800	23,500	10,200	5,310	2,370	3,330	1,590
6	1,590	1,960	1,770	10,900	6,850	21,600	56,000	9,500	5,010	2,260	3,200	1,430
7	1,590	1,960	1,960	8,820	6,540	24,000	71,100	8,820	5,610	2,060	2,480	1,430
8	1,590	1,960	1,590	6,850	6,540	20,000	46,400	8,150	6,850	1,860	2,160	1,510
9	1,960	1,960	1,590	5,920	18,000	38,100	10,900	8,820	1,860	2,060	1,960	
10	3,460	1,960	1,590	6,230	7,170	15,800	31,000	20,700	10,200	1,860	1,770	2,600
11	5,610	1,860	2,060	5,920	9,540	14,200	24,500	23,500	8,150	1,960	1,700	3,860
12	5,610	1,770	1,960	6,230	5,920	15,400	20,700	18,800	6,850	1,770	1,600	3,590
13	5,010	1,960	2,260	5,610	6,540	19,700	18,400	19,700	5,920	1,770	1,500	2,840
14	4,140	1,860	2,160	4,420	6,230	21,100	16,300	22,600	5,010	1,510	1,430	2,260
15	3,330	1,770	1,960	3,860	4,140	18,800	14,600	18,400	5,010	1,280	1,430	1,960
16	3,080	1,960	1,960	3,590	4,420	20,700	13,100	16,300	4,710	1,510	1,360	1,860
17	2,720	1,770	2,060	3,080	5,010	36,900	11,600	17,100	4,420	1,590	1,280	1,590
18	2,600	1,860	2,160	3,080	4,420	43,100	10,500	18,800	4,140	1,430	1,280	1,430
19	2,370	1,770	1,860	4,140	4,140	51,100	10,200	15,800	3,590	1,280	1,210	1,510
20	2,370	1,960	2,000	3,860	3,600	41,800	9,500	14,600	3,330	1,280	1,430	1,430
21	2,370	1,860	2,060	4,140	3,400	34,500	8,820	13,500	3,080	1,140	1,280	2,060
22	2,160	1,770	1,770	6,230	3,600	32,100	8,480	15,400	2,960	1,070	1,280	2,160
23	2,060	1,770	2,060	8,820	4,140	38,100	8,820	13,500	2,600	1,140	1,360	2,960
24	2,160	1,770	2,060	15,000	3,630	64,600	8,150	12,000	2,720	1,140	1,280	4,710
25	1,960	1,770	2,060	11,600	4,140	69,700	8,150	10,500	2,600	1,430	1,210	6,540
26	2,160	1,590	2,370	10,200	4,140	51,100	7,490	9,500	2,600	1,360	1,140	5,920
27	2,160	1,590	2,370	9,840	4,710	40,600	6,850	8,820	2,370	1,280	1,000	5,010
28	2,160	1,590	2,600	10,500	5,010	33,300	6,230	7,820	2,480	1,210	1,280	4,140
29	2,160	1,430	2,480	10,000	.....	27,100	10,200	7,490	2,840	6,540	1,360	3,330
30	1,960	1,430	2,160	9,000	.....	22,100	26,600	6,850	2,720	6,850	1,360	2,960
31	1,960	.....	2,480	6,000	.....	19,700	.....	6,230	.....	5,610	3,600	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	2,960	5,490	517,00	10,400	9,410	4,660	26,400	12,900	10,800	5,780	2,060	2,160
2	2,960	5,490	34,500	10,000	9,100	4,930	22,200	13,300	9,720	5,780	1,960	1,960
3	2,600	5,490	23,600	10,400	8,790	5,210	18,100	14,100	9,100	5,210	2,860	1,770
4	2,370	4,930	17,300	14,100	8,480	5,490	16,900	13,300	8,480	4,930	1,860	1,680
5	2,160	4,390	14,100	14,100	8,170	7,860	19,400	12,200	8,170	4,660	1,960	1,680
6	1,960	4,390	15,700		12,500	10,800	25,300	14,500	7,560	4,390	1,960	1,770
7	1,770	4,120	24,500	9,500	9,720	12,900	81,300	12,900	7,860	4,120	1,960	1,960
8	1,770	4,120	25,400		7,860	11,800	109,000	11,400	7,560	4,930	1,960	1,960
9	1,770	4,930	19,000		7,260	11,100	67,300	13,700	8,790	9,100	1,770	2,060
10	1,680	5,490	16,500	9,100	6,360	12,500	45,100	17,300	8,170	9,720	1,680	2,840
11	1,590	4,930	14,900	11,100	5,780	9,410	39,500	17,300	7,560	9,100	1,860	2,960
12	1,590	4,930	14,100	54,800	6,070	11,100	33,000	23,200	6,950	6,950	2,720	4,390
13	1,590	4,390	13,700	49,900	5,490	9,720	27,400	40,100	6,950	6,360	4,120	4,390
14	1,430	4,120	12,200	33,500	4,930	8,480	24,500	42,700	6,950	5,780	3,200	3,330
15	1,510	4,120	11,400	24,000	5,210	7,860	23,100	39,500	6,950	5,490	3,080	3,080
16	1,590	3,850	11,100	20,400	4,660	7,260	23,100	42,200	6,950	5,490	2,480	2,600
17	1,430	3,850		40,100	4,930	6,360	20,400	34,500		4,930	2,260	2,370
18	1,360	3,590	8,500	42,200	4,660	6,650	19,000	28,400	6,000	4,390	2,600	2,260
19	1,430	3,330		32,400	4,390	6,650	26,400	25,400		3,850	2,480	2,060
20	1,590	3,330		26,900		6,650	35,100	24,000		3,590	2,160	1,960
21	1,430	3,200	6,950	22,600		6,650	30,400	21,200	5,210	3,590	2,160	1,770
22	1,590	3,200	7,860			7,260	26,900	19,900	4,660	3,330	2,160	1,860
23	1,590	3,080	11,100	14,000		7,860	27,900	17,300	4,390	3,590	2,160	2,060
24	4,120	3,590	16,900		6,000	9,720	28,400	15,700	4,660	3,590	2,160	2,060
25	10,400	4,120	18,100	13,700		14,900	23,600	16,100	4,930	2,960	2,060	2,060
26	13,700	4,930	15,700	14,900		16,500	20,400	14,900	6,650	2,720	2,060	2,160
27	11,100	4,930	13,300	11,000		15,700	17,700	13,300	5,210	2,480	2,060	2,160
28	8,790	4,390	12,200	7,860	4,390	14,100	15,300	12,500	5,780	2,370	2,720	1,960
29	6,650	4,390	12,500	9,100	4,390	14,500	14,500	11,800	6,360	2,370	3,200	2,060
30	6,070	5,210	11,100	9,100	.....	19,000	13,300	12,500	6,360	2,370	2,840	26,200
31	5,780	.....	10,400	9,410	.....	25,400	.....	12,200	.....	2,370	2,370	.....
1924-25												
1	117,000	2,600	4,930	4,120	3,080	19,900	18,600	8,170	7,560	4,120	11,500	2,160
2	89,600	2,480	4,390	3,330	3,330	21,700	18,100	9,100	6,950	3,850	9,100	1,960
3	43,300	2,480	4,390	4,120	3,080	19,000	17,300	9,410	7,000	3,590	7,860	1,860
4	27,400	2,480	4,120	4,660	3,080	17,300	16,100	8,790	6,950	3,200	6,650	1,770
5	19,900	2,370	4,120	4,660	3,080	15,700	15,300	8,170	6,650	3,200	6,070	1,860
6	15,300	2,370	5,490	4,390	3,200	14,500	14,100	7,860	6,070	3,590	5,490	1,770
7	12,900	2,370	6,360	4,390	3,330	14,900	13,000	7,560	5,210	4,930	5,210	2,370
8	11,100	2,260	6,650	4,120	3,330	15,300	12,000	7,260	4,660	4,120	4,930	2,840
9	9,720	2,370	8,480	4,120	3,850	15,700	11,000	6,950	4,390	4,120	5,780	3,080
10	8,790	2,160	10,000	3,850	5,490	15,700	11,000	6,650	4,660	4,660	6,950	3,080
11	7,860	2,160	10,000	3,850	18,400	14,900	9,720	6,950	5,780	4,120	8,380	3,200
12	6,950	2,160	8,790	3,330	99,800	15,700	9,720	10,800	4,930	4,390	7,860	2,840
13	6,360	2,160	7,860	3,330	93,200	17,700	9,100	13,700	4,390	4,930	6,650	2,600
14	5,780	2,060	7,560	3,200	53,600	16,100	8,790	12,200	3,850	3,850	6,070	3,850
15	5,490	1,960	6,070	2,840	41,200	15,700	9,720	11,100	3,850	3,200	7,260	12,200
16	5,210	1,960	5,780	2,720	37,800	16,900	10,000	10,400	3,850	2,960	7,260	14,500
17	4,930	1,960	6,070	3,080	34,500	15,700	9,720	10,000	4,120	3,080	6,360	14,500
18	4,660	1,960	6,070	3,590	29,400	15,700	9,720	10,400	3,850	3,330	5,490	12,500
19	4,390	1,770	7,560	3,330	24,500	19,900	8,790	9,720	3,330	3,330	4,660	9,410
20	4,390	1,590	9,100	3,200	21,700	23,600	8,480	8,790	3,200	3,850	4,390	7,560
21	3,850	1,680	8,480	3,080	20,800	22,200	9,410	7,860	3,080	3,330	4,120	6,650
22	3,850	2,640	6,650	3,200	20,800	19,000	13,300	7,260	2,840	3,330	3,850	5,780
23	3,590	3,850	4,390	3,080	24,500	16,500	11,800	6,650	2,600	5,790	3,850	5,490
24	3,590	11,100	4,390	2,840	31,400	14,900	10,800	7,260	2,600	10,400	3,850	4,930
25	3,330	12,200	5,490	2,720	36,200	13,330	9,720	11,100	2,840	8,790	3,330	4,120
26	3,080	9,410	4,390	2,960	34,500	13,300	9,410	12,200	3,200	7,860	3,080	3,850
27	3,080	7,560	4,390	3,200	30,900	13,300	9,410	11,100	3,330	8,270	2,840	3,330
28	2,960	6,360	4,390	2,840	23,600	13,700	9,720	9,720	3,200	14,300	2,600	3,330
29	2,960	5,780	3,850	2,600	.....	20,400	8,790	8,790	3,590	11,400	2,370	3,080
30	2,720	5,490	3,590	2,840	.....	20,800	8,170	8,480	4,120	9,100	2,160	3,080
31	2,720	.....	4,390	2,960	.....	18,100	.....	7,860	.....	8,480	2,160	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	2,840	7,560	10,400	6,070	10,800	21,700	18,600	12,500	5,210	3,200	5,780	4,660
2	2,720	7,260	9,720	6,360	9,410	22,600	16,900	12,200	7,260	2,840	4,120	4,660
3	2,840	6,950	11,100	6,360	10,400	20,400	14,900	11,800	8,480	2,600	3,080	6,650
4	2,960	6,650	17,700	6,360	8,790	16,900	14,500	11,100	7,560	2,480	2,600	2,490
5	3,330	6,360	24,000	6,360	6,950	14,500	14,100	10,400	6,650	2,370	2,840	4,930
6	3,330	6,070	33,200	6,650	6,950	11,800	14,500	9,410	5,780	2,480	2,600	10,000
7	3,330	6,070	38,900	6,650	7,260	14,900	14,900	8,790	5,490	2,840	2,370	13,700
8	3,080	7,260	31,400	5,780	7,260	24,300	16,100	8,170	5,490	2,370	2,160	12,500
9	2,840	8,790	25,000	5,780	6,950	17,700	27,400	7,560	5,780	2,160	2,160	10,000
10	2,960	14,100	21,200	5,210	6,650	17,300	46,300	6,950	5,490	2,160	2,160	8,790
11	2,840	13,700	17,700	4,930	6,650	16,500	38,900	6,950	4,930	2,160	2,060	7,560
12	2,840	11,400	15,300	4,660	6,070	14,100	32,400	6,650	4,660	1,960	2,160	6,650
13	2,840	17,500	14,100	4,390	6,360	12,500	26,400	5,780	4,390	1,770	2,840	6,070
14	2,840	33,000	12,900	4,120	6,360	10,800	22,200	5,490	4,390	1,680	3,080	5,210
15	3,080	30,400	11,400	4,120	8,170	10,000	20,400	5,490	4,660	1,860	4,930	4,930
16	3,330	30,400	10,000	4,660	10,400	9,721	19,900	5,210	6,070	2,060	5,780	4,660
17	3,590	42,200	9,410	4,660	9,100	8,480	18,600	5,210	6,070	2,160	9,410	4,390
18	3,590	36,200	8,170	6,070	9,720	8,170	16,500	4,930	5,490	1,960	11,800	4,120
19	3,590	25,900	7,860	15,800	17,200	8,170	14,500	4,660	4,930	2,480	10,000	3,850
20	3,590	21,200	8,170	18,400	15,700	8,790	12,200	4,930	4,390	2,160	11,800	3,850
21	3,200	17,700	7,860	20,400	14,100	10,800	11,100	5,210	3,850	1,770	8,480	3,330
22	3,080	15,300	8,790	18,100	14,100	12,500	10,400	5,490	3,330	1,860	6,950	3,330
23	3,080	13,300	9,720	12,900	13,700	16,500	11,100	5,490	3,590	1,960	6,070	3,330
24	3,080	11,800	9,720	10,400	11,800	22,600	17,700	4,930	3,590	2,160	7,630	3,330
25	4,850	10,800	8,480	8,790	15,100	28,400	20,400	4,660	3,590	2,370	9,100	3,590
26	9,570	9,720	7,260	8,170	36,300	30,400	25,900	4,390	3,850	2,160	9,410	3,850
27	17,800	9,720	5,210	8,480	27,400	33,000	22,600	4,120	4,120	1,770	8,790	3,850
28	13,600	11,100	3,850	7,560	21,700	25,400	17,300	3,850	4,390	1,590	7,860	3,850
29	10,800	13,700	4,930	5,780	.....	20,400	15,300	3,590	3,850	1,770	6,950	4,660
30	9,100	12,500	4,930	6,070	.....	17,300	14,500	3,330	3,590	2,600	6,070	5,210
31	8,480	.....	5,210	6,650	.....	16,900	.....	3,590	.....	3,430	5,210	.....
1926-27												
1	5,490	12,900	15,300	6,950	17,300	18,100	13,300	12,500	14,100	6,360	6,650	16,500
2	4,930	13,300	14,900	6,360	16,900	16,100	12,900	10,800	13,300	5,780	10,000	23,400
3	4,390	12,500	12,900	6,070	16,100	13,700	12,500	10,400	11,800	5,210	10,400	37,800
4	4,120	11,400	11,100	6,360	15,300	12,500	11,400	10,000	10,400	4,660	8,480	28,400
5	3,590	10,400	9,720	7,260	14,500	11,800	11,400	9,720	10,400	4,390	7,260	19,900
6	4,660	9,410	7,860	6,950	12,200	11,100	11,800	9,410	10,800	4,120	6,070	15,000
7	8,920	8,790	7,260	6,360	11,400	11,400	11,800	8,790	10,000	3,850	5,490	12,000
8	14,100	8,170	8,480	5,490	11,100	12,900	12,500	7,860	9,100	4,120	5,490	11,000
9	10,400	8,480	9,410	5,210	10,800	19,400	12,200	7,260	7,860	3,850	5,780	9,500
10	8,480	13,700	9,720	4,930	10,400	27,900	10,800	8,480	7,260	3,850	5,490	8,170
11	7,260	21,200	9,720	4,390	9,500	24,500	9,410	13,300	6,950	3,590	5,210	7,260
12	6,950	19,000	9,410	4,930	9,000	25,900	9,410	16,900	6,650	3,330	4,930	6,950
13	7,260	15,300	9,100	5,210	9,000	30,400	9,720	14,100	6,360	3,200	4,660	6,950
14	6,950	13,300	9,100	6,070	8,500	42,200	9,100	11,800	6,070	3,080	6,070	6,650
15	6,650	11,800	9,410	6,360	9,000	64,500	8,480	12,200	6,650	3,330	10,800	6,360
16	6,650	20,500	8,480	4,390	8,500	58,200	7,860	14,100	6,070	3,330	11,400	5,780
17	6,070	91,700	7,260	4,390	9,500	43,900	7,560	14,100	5,490	5,110	9,410	5,490
18	5,780	89,400	6,950	4,930	13,700	36,700	7,260	12,200	4,930	5,210	7,860	5,210
19	6,360	54,800	5,490	6,070	15,700	35,700	7,260	11,800	5,150	4,120	7,560	5,210
20	6,950	45,100	5,780	7,860	13,300	38,900	7,560	12,900	13,200	3,590	7,260	5,490
21	8,480	35,700	6,070	14,100	11,800	35,700	7,260	11,800	11,800	3,330	6,650	5,780
22	9,410	27,900	7,560	12,900	12,500	45,600	9,100	10,400	9,100	3,200	6,070	5,210
23	9,410	23,600	7,260	21,900	13,300	42,200	11,800	9,410	8,480	6,040	5,210	4,660
24	8,790	20,400	6,950	32,200	14,100	31,400	12,500	11,800	8,170	9,720	5,210	4,120
25	16,500	17,700	6,950	24,000	18,600	25,900	11,100	32,600	6,950	9,720	4,930	4,390
26	24,000	15,700	8,480	18,100	25,900	22,200	10,400	42,700	7,260	7,560	4,660	4,120
27	23,600	17,700	6,650	12,200	25,900	19,900	10,800	37,200	8,790	6,650	6,070	3,590
28	19,000	19,400	6,360	10,400	21,200	17,300	14,900	30,400	9,410	6,070	9,100	3,590
29	15,700	17,300	8,480	12,200	.....	16,500	16,100	24,000	7,860	5,490	13,900	3,330
30	13,700	15,300	7,860	14,500	.....	15,300	14,500	19,000	6,650	4,930	24,000	3,330
31	12,500	.....	7,260	15,700	.....	14,500	.....	16,100	.....	4,930	20,400	.....

Daily discharge, in second-feet, of Delaware River at Riegelsville, for the years ending September 30, 1909-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	3,200	10,000	25,900	20,400	8,170	12,500	24,500	43,300	10,000	78,000	10,800	14,100
2	3,080	9,410	23,600	21,200	7,860	11,800	19,900	42,200	9,410	50,000	10,000	12,500
3	2,840	13,800	27,400	16,500	7,560	11,100	17,700	35,100	8,790	35,300	9,720	12,500
4	5,490	38,300	29,900	11,100	7,560	9,720	16,100	29,400	8,170	26,900	9,720	20,400
5	15,600	59,800	26,400	9,720	9,720	9,100	15,700	25,400	10,400	24,000	9,720	19,400
6	15,300	45,100	24,500	10,000	10,800	8,170	15,700	22,600	24,100	39,800	11,800	15,700
7	10,000	33,300	22,200	10,800	9,410	7,860	17,300	23,600	44,300	40,000	12,900	13,300
8	7,860	26,400	41,900	11,800	15,000	7,560	19,000	22,600	38,000	28,400	13,700	11,800
9	7,260	22,200	78,200	12,200	17,300	7,560	23,600	19,000	27,900	21,700	12,200	10,800
10	6,950	19,400	57,400	12,200	17,700	6,950	22,200	16,900	26,900	18,600	11,100	9,410
11	6,360	17,300	39,300	11,800	17,300	7,260	18,100	14,900	26,900	16,900	12,500	8,790
12	5,780	16,500	33,500	11,100	13,700	7,560	18,100	13,700	21,700	15,700	15,300	8,480
13	11,500	16,900	31,400	9,720	10,800	8,790	21,700	12,200	17,700	16,500	12,200	7,560
14	25,200	14,900	38,200	9,410	10,700	12,200	22,600	10,800	15,700	28,800	10,400	7,860
15	25,000	13,700	48,000	9,410	26,800	19,800	25,900	10,400	15,700	42,000	9,100	7,260
16	17,700	12,900	41,000	9,410	37,000	18,800	28,900	9,410	13,700	32,400	7,860	7,260
17	14,100	13,300	36,700	9,100	26,900	13,700	24,000	9,100	11,400	23,600	10,200	6,650
18	17,600	41,300	31,900	8,790	19,900	12,200	20,400	8,790	10,000	18,600	16,500	6,360
19	57,900	71,000	25,400	8,170	16,100	11,100	17,700	10,400	10,000	15,300	14,100	6,360
20	102,000	47,600	22,200	10,400	13,300	10,800	15,700	14,500	12,500	13,700	11,400	6,950
21	75,400	34,400	19,900	7,860	11,800	10,000	14,100	19,900	15,700	12,200	9,720	7,260
22	53,600	28,400	18,100	6,070	9,720	9,720	14,900	19,900	15,700	11,100	10,400	6,950
23	39,200	24,500	16,900	6,070	17,800	10,000	22,200	17,300	17,700	16,500	11,100	6,650
24	29,900	21,700	15,300	6,360	28,400	10,400	37,500	27,400	18,100	14,100	10,000	6,070
25	24,500	20,800	12,500	13,700	27,900	12,300	43,900	21,700	16,500	14,100	10,000	5,490
26	20,400	21,700	10,800	15,600	22,900	22,600	34,500	16,900	23,400	11,800	12,200	5,490
27	17,700	19,400	10,000	14,500	16,500	25,900	28,400	14,900	29,900	11,100	24,200	5,490
28	15,300	21,700	10,400	11,100	14,500	28,900	30,900	12,900	27,900	14,500	31,900	5,490
29	13,700	26,400	11,400	7,860	13,300	23,100	38,400	12,500	25,500	19,000	23,600	5,210
30	12,200	27,900	12,500	7,560	.....	21,200	42,700	11,400	62,500	15,700	19,000	5,210
31	10,800	.....	15,300	7,860	.....	28,400	.....	10,800	.....	12,500	15,300	.....

NOTE.—These tables indicate flow in river only; do not include diversion by Pennsylvania Canal. Stage-discharge relations affected by ice Dec. 26-31, 1909; Jan. 1-9, 1910; Jan. 2-4, 13-21, 1920; and Feb. 20-22, 1923. No gage height record Jan. 10-21, 1910; Feb. 5-7, 22, 1918; Dec. 12, 15-21, 24-27, 1919; Jan. 5-9, Feb. 8-11, Oct. 15-17, Nov. 24-28, Dec. 2-10, 15-19, 1920; Jan. 26, 27, Feb. 20, Mar. 28, 1921; Dec. 17-20, 1923; Jan. 6-9, 22-24, 27, Feb. 20-27, June 17-20, 1924; Apr. 7-10, June 3, 1925; Feb. 11-17, and Sept. 6-9, 1927. Discharge for these periods determined by graphic study of gage height record, weather records, and records of flow at the other stations on the Delaware River. Staff gage on railroad bridge at mouth of Musconetcong River read March 14-22 and July 25, 1920.

Data for years ending Sept. 30, 1909-1921, republished from United States Geological Survey Water-Supply Papers 261, 281, 301, 321, 351, 381, 401, 431, 451, 471, 501, and 521.

Monthly discharge of Delaware River at Riegelsville, for the years ending September 30, 1906-1928.

[Drainage area, 6,190 square miles.]

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1906						
July	11,200	3,520	5,950	6,230	1.01	1.16
August	8,850	2,600	4,980	5,260	.850	.98
September	5,390	1,760	2,880	3,160	.510	.57
1906-7						
October	14,700	2,240	5,500	5,780	0.934	1.08
November	20,300	4,560	8,450	8,730	1.41	1.57
December	10,800	4,290	7,490	7,650	1.24	1.43
January	48,400	8,290	17,900	17,900	2.89	3.33
February	8,560	3,600	5,610	5,610	.906	.94
March	53,900	3,780	21,300	21,300	3.44	3.97
April	19,700	7,770	11,300	11,500	1.86	2.08
May	11,500	6,220	8,930	9,210	1.49	1.72
June	12,800	4,030	6,670	6,950	1.12	1.25
July	6,400	2,050	3,640	3,920	.633	.73
August	3,360	1,470	1,780	2,060	.333	.38
September	14,600	1,320	4,900	5,180	.837	.93
The year	53,900	1,320	8,660	8,850	1.43	19.41
1907-8						
October	28,800	5,140	10,500	10,800	1.74	2.01
November	81,600	11,100	21,800	22,100	3.57	3.98
December	105,000	7,770	25,400	25,500	4.12	4.75
January	35,700	5,080	14,800	14,800	2.39	2.76
February	96,900	5,950	18,900	18,900	3.05	3.29
March	66,000	12,000	30,200	30,200	4.88	5.63
April	35,700	11,200	18,200	18,400	2.97	3.31
May	55,300	11,200	22,200	22,500	3.63	4.18
June	13,500	3,030	6,040	6,320	1.02	1.14
July	7,190	1,830	3,240	3,520	.569	.66
August	2,600	1,500	1,860	2,140	.346	.40
September	3,170	906	1,250	1,530	2.47	.28
The year	105,000	906	14,500	14,700	2.37	32.39
1908-9						
October	11,200	1,320	3,040	3,320	0.536	0.62
November	8,030	2,850	3,810	4,090	.661	.74
December	4,400	2,050	3,290	3,370	.544	.63
January	76,700	2,680	13,500	13,500	2.18	2.51
February	99,100	6,070	29,600	29,600	4.78	4.98
March	35,200	7,960	16,800	16,900	2.73	3.15
April	45,000	10,200	19,400	19,700	3.18	3.55
May	49,400	7,250	20,100	20,400	3.30	3.80
June	12,700	4,480	7,190	7,460	1.21	1.35
July	4,130	2,010	2,800	3,070	.496	.57
August	3,030	1,470	1,980	2,250	.363	.42
September	2,050	1,170	1,550	1,820	.294	.33
The year	99,100	1,170	10,100	10,300	1.66	22.65
1909-10						
October	1,990	1,290	1,540	1,810	0.292	0.34
November	1,900	1,120	1,410	1,680	.271	.30
December	17,300	1,380	3,630	3,790	.612	.71
January	94,600	1,400	12,200	12,200	1.97	2.27
February	25,300	4,370	9,900	9,900	1.60	1.67
March	93,500	13,900	33,900	34,100	5.51	6.35
April	66,700	6,930	19,400	19,600	3.17	3.54
May	27,900	6,810	12,200	12,500	2.02	2.33
June	13,100	5,020	8,820	9,090	1.47	1.64
July	5,080	1,580	2,890	3,160	.510	.59
August	4,530	1,420	2,100	2,370	.383	.44
September	3,500	1,420	2,210	2,480	.401	.45
The year	94,600	1,120	9,190	9,400	1.52	20.63

Monthly discharge of Delaware River at Riegelsville, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1910-11						
October	1,830	1,130	1,380	1,650	0.267	0.31
November	5,080	1,280	3,290	3,560	.575	.64
December	6,250	1,830	3,030	3,100	.501	.58
January	45,700	5,950	12,700	12,700	2.05	2.36
February	10,200	4,530	6,290	6,290	1.02	1.06
March	51,100	4,530	12,800	13,000	2.10	2.42
April	43,100	12,400	22,600	22,900	3.70	4.13
May	12,700	3,750	6,640	6,910	1.12	1.29
June	54,600	4,260	13,000	13,200	2.13	2.38
July	5,360	2,700	3,670	3,940	.637	.73
August	18,000	1,500	3,140	3,410	.551	.64
September	26,600	3,380	7,410	7,680	1.24	1.38
The year	54,600	1,130	7,970	8,170	1.32	17.92
1911-12						
October	36,300	5,080	15,200	15,500	2.50	2.88
November	22,600	8,490	12,000	12,300	1.99	2.22
December	22,600	8,160	12,400	12,500	2.02	2.33
January	12,000	5,080	6,870	6,870	1.11	1.28
February	25,000	3,140	7,080	7,080	1.14	1.23
March	83,000	6,560	28,800	28,900	4.67	5.38
April	59,500	14,600	29,700	29,900	4.83	5.39
May	29,300	7,510	15,100	15,400	2.49	2.87
June	7,830	2,550	4,850	5,120	.827	.92
July	3,380	1,830	2,380	2,650	.428	.49
August	8,820	1,580	3,570	3,840	.620	.71
September	14,600	2,500	5,160	5,430	.877	.98
The year	83,000	1,580	11,900	12,100	1.95	26.68
1912-13						
October	30,400	2,700	7,700	7,970	1.29	1.49
November	19,700	6,250	9,850	10,100	1.63	1.82
December	20,700	6,560	11,800	11,900	1.92	2.21
January	72,600	11,600	25,500	25,500	4.12	4.75
February	13,900	5,080	7,400	7,400	1.20	1.25
March	139,000	6,560	28,900	28,900	4.67	5.38
April	38,100	10,200	21,200	21,300	3.44	3.84
May	25,600	5,360	10,500	10,800	1.74	2.01
June	12,400	3,260	5,680	5,930	.958	1.07
July	4,260	1,660	2,380	2,630	.425	.49
August	7,190	1,580	2,280	2,530	.409	.47
September	5,650	1,350	2,450	2,700	.436	.49
The year	139,000	1,350	11,400	11,500	1.86	25.27
1913-14						
October	15,800	2,600	6,130	6,380	1.03	1.19
November	49,700	4,530	12,800	3,100	2.12	2.36
December	14,600	6,250	9,170	9,290	1.50	1.73
January	15,000	3,260	7,030	7,030	1.14	1.31
February	31,000	5,360	11,100	11,100	1.79	1.86
March	130,000	5,080	20,700	20,700	3.34	3.85
April	69,200	20,700	33,900	34,100	5.51	6.15
May	32,100	6,250	15,700	16,000	2.58	2.97
June	7,190	3,260	4,760	5,010	.809	.90
July	8,160	3,750	5,720	5,970	.964	1.11
August	7,510	2,600	3,710	3,960	.640	.74
September	3,380	1,500	2,140	2,390	.386	.43
The year	130,000	1,500	11,100	11,200	1.81	24.60

Monthly discharge of Delaware River at Riegelsville, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1914-15						
October	2,700	1,280	1,740	1,990	0.321	0.37
November	3,380	1,200	1,870	2,120	.342	.38
December	6,560	2,200	3,610	3,690	.596	.69
January	68,200	2,700	23,300	23,300	3.76	4.34
February	78,600	12,400	26,800	26,800	4.33	4.51
March	25,600	5,950	9,780	9,970	1.61	1.86
April	35,700	5,080	10,600	10,800	1.74	1.94
May	12,400	5,080	7,720	7,970	1.29	1.49
June	6,250	2,700	4,160	4,410	.712	.79
July	35,700	2,700	8,300	8,550	1.38	1.59
August	25,600	4,800	12,200	12,400	2.00	2.31
September	13,900	4,000	6,530	6,780	1.10	1.23
The year	78,600	1,200	9,620	9,800	1.58	21.50
1915-16						
October	7,490	3,880	5,020	5,270	0.851	0.98
November	13,500	3,280	5,530	5,780	.934	1.04
December	29,900	2,940	10,900	11,000	1.78	2.05
January	43,100	6,850	18,000	18,000	2.91	3.36
February	31,000	5,310	13,000	13,000	2.10	2.26
March	81,600	7,170	14,500	14,600	2.36	2.72
April	90,700	20,700	37,200	37,400	6.04	6.74
May	19,700	8,150	11,800	12,000	1.94	2.24
June	26,600	8,480	12,600	12,800	2.07	2.31
July	63,100	5,310	13,000	13,200	2.13	2.46
August	13,100	2,840	5,350	5,600	.905	1.04
September	8,150	2,250	3,460	3,710	.599	.67
The year	90,700	2,250	12,500	12,700	2.05	27.87
1916-17						
October	9,840	2,080	3,740	3,970	0.641	0.74
November	6,850	2,730	3,670	3,900	.630	.70
December	16,300	3,390	7,730	7,880	1.27	1.46
January	23,500	6,540	11,800	11,800	1.91	2.20
February	10,200	3,880	5,490	5,490	.887	.92
March	86,100	6,230	22,800	22,900	3.70	4.27
April	47,700	7,820	18,700	18,900	3.05	3.40
May	13,900	5,310	8,890	9,120	1.47	1.70
June	47,000	10,500	17,400	17,600	2.84	3.17
July	15,000	4,710	9,120	9,350	1.51	1.74
August	11,200	3,390	6,120	6,350	1.03	1.19
September	8,150	1,990	3,480	3,710	.599	.67
The year	86,100	1,990	9,940	10,100	1.63	22.16
1917-18						
October	73,300	1,990	6,710	6,940	1.12	1.29
November	62,400	4,420	10,600	10,800	1.74	1.94
December	5,920	2,160	3,800	3,860	.624	.72
January	8,820	1,990	4,100	4,100	.662	.76
February	66,800	3,280	18,900	18,900	3.05	3.18
March	44,200	12,400	26,600	26,700	4.31	4.97
April	46,400	9,840	22,500	22,800	3.68	4.11
May	17,500	8,150	10,700	11,000	1.78	2.05
June	14,600	3,880	7,290	7,250	1.21	1.35
July	4,710	2,340	3,250	3,480	.562	.65
August	3,880	1,420	2,190	2,420	.391	.45
September	7,820	1,820	3,220	3,450	.557	.62
The year	73,300	1,420	9,880	10,100	1.63	22.09

Monthly discharge of Delaware River at Riegelsville, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1918-19						
October	12,400	3,390	4,950	5,180	0.837	0.96
November	9,500	3,280	5,510	5,740	.927	1.03
December	16,300	3,390	8,340	8,360	1.35	1.56
January	24,500	7,170	12,700	12,700	2.05	2.36
February	12,400	3,880	7,220	7,220	1.17	1.22
March	36,300	11,600	20,000	20,100	3.25	3.75
April	35,100	10,500	17,200	17,400	2.81	3.14
May	28,800	8,820	15,600	15,800	2.55	2.94
June	10,900	3,880	6,530	6,750	1.09	1.22
July	32,100	2,730	8,750	8,980	1.45	1.67
August	17,500	4,420	7,970	8,200	1.32	1.52
September	8,480	3,280	4,630	4,860	.785	.88
The year	36,300	2,730	9,980	10,100	1.63	22.25
1919-20						
October	8,150	3,050	4,870	5,100	0.824	0.95
November	28,800	7,820	16,200	16,400	2.65	2.96
December	24,500	5,310	12,700	12,800	2.07	2.39
January	9,500	3,050	4,860	4,860	.785	.90
February	4,800	2,250	3,260	3,260	.527	.57
March	120,000	2,340	39,600	39,600	6.40	7.38
April	56,700	14,200	27,500	27,700	4.47	4.99
May	14,200	6,230	10,600	10,900	1.76	2.03
June	18,000	3,880	6,820	7,040	1.14	1.27
July	35,000	3,880	9,340	9,580	1.55	1.79
August	14,600	4,200	7,670	7,900	1.28	1.48
September	18,800	3,390	7,160	7,390	1.19	1.33
The year	120,000	2,250	12,600	12,700	2.05	28.04
1920-21						
October	43,100	3,630	10,000	10,300	1.66	1.91
November	38,000	5,610	13,200	13,400	2.16	2.41
December	55,000	10,200	22,800	22,900	3.70	4.27
January	18,400	6,230	9,900	9,900	1.60	1.84
February	13,100	5,920	7,490	7,490	1.21	1.26
March	90,000	15,800	33,300	33,500	5.41	6.24
April	26,100	9,500	16,400	16,600	2.68	2.99
May	25,000	5,610	12,200	12,400	2.00	2.31
June	5,920	2,340	3,520	3,750	.606	.68
July	14,200	2,440	4,570	4,800	.775	.89
August	5,920	2,080	3,420	3,650	.590	.68
September	4,420	1,820	2,320	2,560	.414	.46
The year	90,000	1,820	11,700	11,800	1.91	25.94
1921-22						
October	5,920	2,080	3,030	3,260	0.527	0.61
November	85,400	2,940	11,100	11,300	1.83	2.04
December	47,000	4,710	15,100	15,200	2.46	2.84
January	9,500	2,730	4,850	.....	.784	.90
February	34,500	3,630	10,900	.....	1.76	1.83
March	79,300	10,500	28,700	28,900	4.67	5.38
April	39,300	9,160	23,400	23,600	3.81	4.25
May	24,000	6,540	11,800	12,000	1.94	2.24
June	39,300	6,230	15,800	16,000	2.58	2.88
July	26,600	3,590	8,700	8,930	1.44	1.66
August	5,310	2,160	3,480	3,700	.598	.69
September	6,540	1,770	3,540	3,770	.609	.68
The year	85,400	1,770	11,700	11,900	1.92	26.00

Monthly discharge of Delaware River at Riegelsville, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1922-23						
October	5,610	1,590	2,530	2,760	0.446	0.51
November	1,960	1,430	1,810	2,040	.330	.37
December	2,600	1,590	2,000	2,100	.339	.39
January	22,600	3,080	8,160	8,160	1.32	1.52
February	8,150	3,400	5,490	5,510	.890	.93
March	69,700	5,010	28,000	28,200	4.56	5.26
April	71,100	6,230	19,300	19,500	3.15	3.51
May	23,500	6,230	14,000	14,200	2.29	2.64
June	10,200	2,370	4,700	4,930	.796	.89
July	6,850	1,070	2,130	2,360	.381	.44
August	4,710	1,000	1,980	2,210	.357	.41
September	6,540	1,430	2,790	3,020	.488	.54
The year	71,100	1,000	7,750	7,940	1.28	17.41
1923-24						
October	13,700	1,360	3,490	3,720	0.601	0.69
November	5,490	3,080	4,360	4,590	.742	.83
December	34,500	6,950	14,600	14,700	2.37	2.73
January	54,800	7,860	18,700	18,700	3.02	3.48
February	12,500	.....	6,570	6,570	1.06	1.14
March	25,400	4,660	10,300	10,500	1.70	1.96
April	109,000	13,300	30,700	30,900	4.99	5.57
May	42,700	11,400	20,000	20,200	3.26	3.76
June	10,800	4,390	6,890	7,120	1.15	1.28
July	9,720	2,370	4,720	4,950	.800	.92
August	4,120	1,680	2,320	2,550	.412	.48
September	26,200	1,680	3,120	3,350	.541	.60
The year	109,000	1,360	10,500	10,700	1.73	23.44
1924-25						
October	117,000	2,720	14,400	14,600	2.36	2.72
November	12,200	1,590	3,660	3,890	.628	.70
December	10,000	3,590	6,070	6,110	.987	1.14
January	4,660	2,600	3,440	3,440	.556	.64
February	99,800	3,080	25,400	25,400	4.10	4.27
March	23,600	13,300	17,000	17,100	2.76	3.18
April	18,600	8,170	11,400	11,600	1.87	2.09
May	13,700	6,650	9,110	9,340	1.51	1.74
June	7,560	2,600	4,420	4,650	.751	.84
July	14,300	2,960	5,400	5,630	.910	1.05
August	11,500	2,160	5,420	5,650	.913	1.05
September	14,500	1,770	4,980	5,220	.843	.94
The year	117,000	1,590	9,130	9,290	1.50	20.36
1925-26						
October	17,800	2,720	4,810	5,040	.814	.94
November	42,200	6,070	15,500	15,700	2.54	2.83
December	38,900	3,850	13,300	13,300	2.15	2.48
January	20,400	4,120	7,960	7,960	1.29	1.49
February	36,300	6,070	11,800	11,800	1.91	1.99
March	33,000	8,170	16,900	17,000	2.75	3.17
April	46,300	10,400	19,600	19,800	3.20	3.57
May	12,500	3,330	6,540	6,770	1.09	1.26
June	8,480	3,330	5,030	5,260	.850	.95
July	3,430	1,590	2,230	2,460	.397	.46
August	11,800	2,060	5,690	5,920	.956	1.10
September	13,700	3,330	5,700	5,930	.958	1.07
The year	46,300	1,590	9,550	9,710	1.57	21.31

Monthly discharge of Delaware River at Riegelsville, for the years ending September 30, 1906-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1926-27						
October	24,000	3,590	9,580	9,810	1.58	1.82
November	91,700	8,170	23,400	23,600	3.81	4.25
December	15,300	5,490	8,620	.....	1.39	1.60
January	32,200	4,390	9,830	.....	1.59	1.83
February	25,900	8,500	13,800	.....	2.23	2.32
March	64,500	11,100	27,200	27,200	4.39	5.06
April	16,100	7,260	10,800	11,000	1.78	1.99
May	42,700	7,260	15,300	15,500	2.50	2.88
June	14,100	4,930	8,570	8,800	1.42	1.58
July	9,720	3,080	4,890	5,120	.827	.95
August	24,000	4,660	8,140	8,370	1.35	1.56
September	37,800	3,330	9,500	9,730	1.57	1.75
The year	91,700	3,080	12,400	12,600	2.04	27.59
1927-28						
October	102,000	2,840	21,700	22,000	3.55	4.09
November	71,000	9,410	26,300	26,500	4.28	4.78
December	78,200	10,000	27,700	27,700	4.47	5.15
January	21,200	6,070	10,900	10,900	1.76	2.03
February	37,000	7,560	16,100	16,100	2.60	2.80
March	28,900	6,950	13,500	13,500	2.18	2.51
April	43,900	14,100	23,700	24,000	3.88	4.33
May	43,300	8,790	18,700	18,900	3.05	3.52
June	62,500	8,170	20,500	20,800	3.36	3.75
July	78,000	11,100	23,800	24,100	3.89	4.48
August	31,900	7,860	13,200	13,400	2.16	2 49
September	20,400	5,210	9,090	9,320	1.51	1.68
The year	102,000	2,840	18,800	19,000	3.07	41.61

NOTE.—The last three columns of each table include diversion down Pennsylvania Canal as follows: 280 second-feet, July 1 to Dec. 14, 1906, Apr. 8 to Dec. 12, 1907, Apr. 6 to Dec. 9, 1908; 270 second-feet, Mar. 19 to Dec. 19, 1909, Mar. 10 to Dec. 8, 1910, Mar. 10 to Dec. 7, 1911, Mar. 25 to Dec. 8, 1912; 250 second-feet, Apr. 15 to Dec. 15, 1913, Mar. 23 to 28, Apr. 5 to Dec. 10, 1914; Mar. 8 to Dec. 12, 1915, Mar. 15 to September 30, 1916; and 230 second-feet, Oct. 1 to Dec. 20, 1916, Mar. 17 to Dec. 9, 1917, Mar. 16 to Dec. 6, 1918, Mar. 17 to Dec. 5, 1919, Mar. 23 to Dec. 13, 1920, Mar. 2 to Dec. 9, 1921, Mar. 4 to Dec. 13, 1922, Feb. 27 to Dec. 8, 1923, Mar. 7 to Dec. 5, 1924, Mar. 24 to Nov. 28, 1925, Mar. 11 to Nov. 27, 1926, Mar. 28 to Nov. 19, 1927, and Mar. 26 to Sept. 30, 1928. The diversion figures were determined from measurements of discharge in the canal.

Data for years ending Sept. 30, 1906-1921, republished from United States Geological Survey Water-Supply Papers 241, 261, 281, 301, 321, 351, 381, 401, 431, 451, 471, 501, and 521.

Delaware River at Trenton.

LOCATION.—On the Calhoun Street bridge, Trenton, Mercer County, 1 mile above Pennsylvania Railroad bridge and half a mile above mouth of Assunpink Creek.

DRAINAGE AREA.—6,800 square miles.

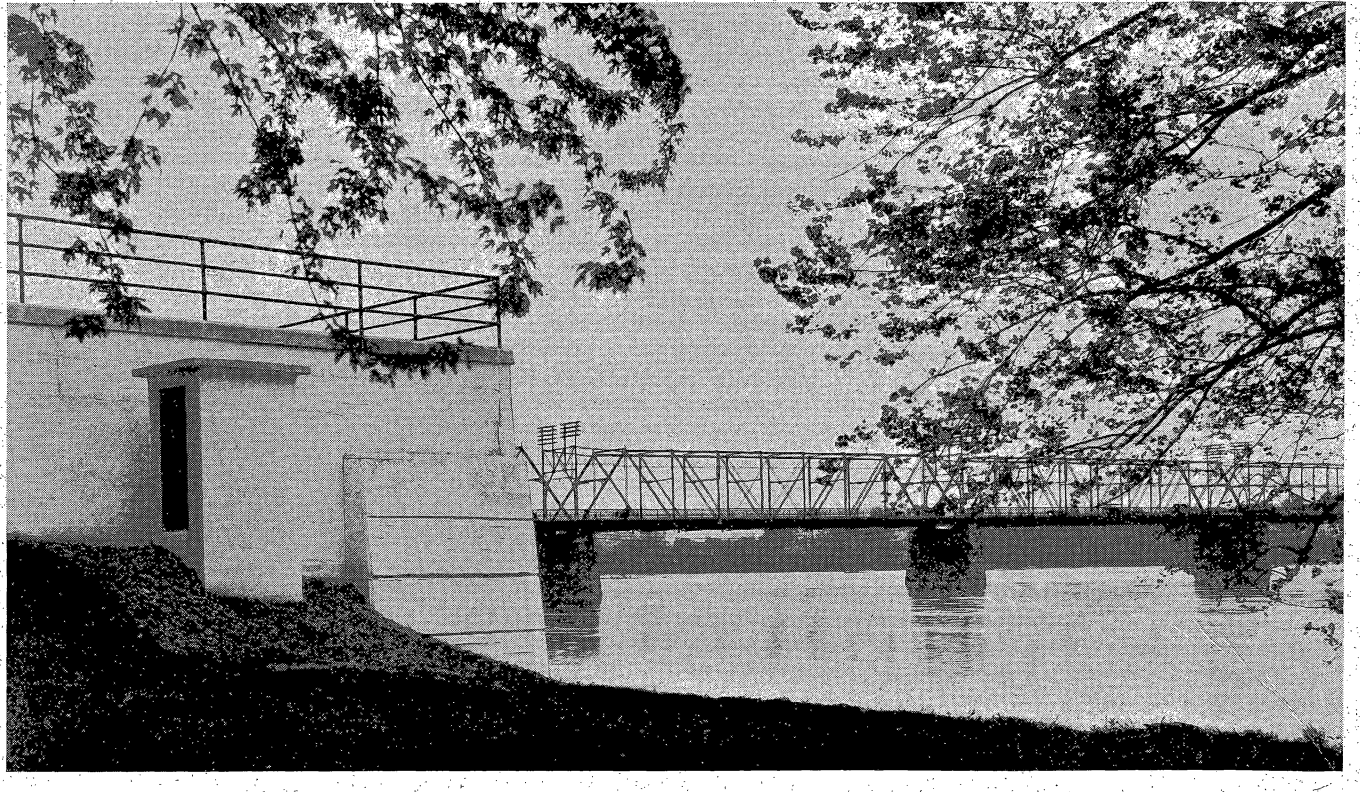
RECORDS AVAILABLE.—February 24, 1913, to September 30, 1928.

EQUIPMMENT.—Chain gage on downstream side of bridge about 100 feet from left abutment.

EXTREMES OF DISCHARGE.—1913-1928: Maximum stage, 13.3 feet during night of March 28-29, 1913 (discharge, about 160,000 second-feet); minimum stage recorded, -0.40 foot several times in October and November, 1914 (discharge, 1,240 second-feet). Not including flow in canals.

DIVERSION AND REGULATION.—The Delaware division of the Pennsylvania Canal diverts from 20 to 53 second-feet by the gaging station from about March 31, to December 15, each year. The Delaware and Raritan Canal feeder diverts 130 to 160 second-feet from the first of March to the last of December each year. The Trenton Power canal diverts from 210 to 250 second-feet daily.

CO-OPERATION.—Gage readings furnished by United States Weather Bureau.



Gaging station on Delaware River at Trenton.

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913.												
1	.....	.....	.....	.....	.....	14,800	38,700	30,400	14,800	3,470	2,300	2,080
2	.....	.....	.....	.....	.....	25,600	33,400	24,700	13,200	3,470	5,600	1,900
3	.....	.....	.....	.....	.....	18,800	27,400	21,200	11,800	2,560	5,220	2,080
4	.....	.....	.....	.....	.....	15,600	25,600	18,800	10,400	2,300	4,850	2,080
5	.....	.....	.....	.....	.....	13,000	24,700	15,600	8,150	2,300	4,140	1,900
6	.....	.....	.....	.....	.....	11,100	22,900	13,200	9,200	2,560	3,150	2,080
7	.....	.....	.....	.....	.....	9,800	22,000	8,650	8,150	2,840	2,840	2,080
8	.....	.....	.....	.....	.....	8,150	22,000	11,800	8,150	2,840	3,150	2,080
9	.....	.....	.....	.....	.....	7,200	16,400	11,100	8,650	2,560	2,840	2,840
10	.....	.....	.....	.....	.....	7,650	16,400	10,400	8,150	2,300	2,840	2,300
11	.....	.....	.....	.....	.....	10,400	14,800	8,650	7,200	2,300	2,840	2,080
12	.....	.....	.....	.....	.....	11,100	22,900	6,800	6,400	2,300	2,560	2,080
13	.....	.....	.....	.....	.....	14,000	39,800	7,650	4,850	2,560	2,300	1,900
14	.....	.....	.....	.....	.....	14,000	32,400	7,200	4,140	2,560	2,300	1,900
15	.....	.....	.....	.....	.....	35,400	32,400	7,200	4,490	2,300	2,080	1,900
16	.....	.....	.....	.....	.....	55,800	32,400	7,200	4,490	2,300	2,080	1,900
17	.....	.....	.....	.....	.....	44,500	31,400	7,650	4,140	2,300	2,080	2,080
18	.....	.....	.....	.....	.....	33,400	24,700	5,220	4,140	2,560	2,080	1,900
19	.....	.....	.....	.....	.....	27,400	25,600	6,000	4,490	2,300	2,080	2,080
20	.....	.....	.....	.....	.....	23,800	19,600	5,600	4,490	2,300	2,300	1,900
21	.....	.....	.....	.....	.....	32,400	14,800	5,600	4,850	2,300	2,080	1,900
22	.....	.....	.....	.....	.....	32,400	15,600	4,850	4,490	2,560	2,080	2,840
23	.....	.....	.....	.....	.....	27,400	14,800	6,000	3,490	2,080	2,080	2,300
24	.....	.....	.....	.....	9,800	24,700	14,000	8,150	4,140	2,080	2,300	2,560
25	.....	.....	.....	.....	9,800	22,900	11,100	14,000	4,850	2,840	2,080	2,300
26	.....	.....	.....	.....	11,100	23,800	12,500	13,200	4,140	2,500	2,080	2,080
27	.....	.....	.....	.....	9,800	36,500	11,800	11,800	3,470	2,560	2,080	2,840
28	.....	.....	.....	.....	15,600	130,000	29,400	11,100	3,800	2,300	2,080	2,560
29	.....	.....	.....	.....	.....	132,000	42,100	13,200	3,470	2,840	2,080	2,300
30	.....	.....	.....	.....	.....	69,200	38,700	13,200	3,800	2,560	2,300	2,080
31	.....	.....	.....	.....	.....	49,300	.....	11,800	.....	2,300	2,080	.....
1913-14												
1	.....	2,300	6,000	9,800	7,650	37,600		54,500	22,900	6,400	4,140	5,220	3,800
2	.....	2,840	6,400	9,200	7,650	35,400		54,500	22,000	6,000	4,490	5,220	3,800
3	.....	2,840	6,000	8,150	8,150	28,400		53,200	20,400	5,600	5,600	5,600	3,800
4	.....	2,300	5,220	6,800	7,650	22,900		51,900	17,200	5,220	5,220	5,600	4,140
5	.....	4,140	5,220	7,200	9,200	20,400		39,800	15,600	5,220	4,490	4,850	4,140
6	.....	4,140	5,600	7,200	9,800	19,600		33,400	18,800	6,000	4,490	3,470	2,840
7	.....	3,470	5,600	6,400	8,650	18,800		28,400	26,500	6,800	4,490	3,150	3,150
8	.....	2,840	4,140	7,200	8,150	17,200	6,200	24,700	24,700	6,800	6,000	3,150	3,150
9	.....	2,080	5,220	11,100	7,650	13,200		27,400	22,000	6,000	6,800	2,840	3,150
10	.....	2,080	18,800	13,200	7,200	11,800		74,800	19,600	6,000	5,600	3,150	3,150
11	.....	2,300	24,700	14,800	7,200	9,200		58,400	18,000	6,000	5,600	2,840	3,470
12	.....	5,600	22,900	13,200				53,200	15,600	6,400	6,400	2,840	3,800
13	.....	6,400	18,800	12,500				32,100	17,200	6,000	6,000	3,150	2,300
14	.....	5,220	14,800	8,650				30,400	21,200	4,490	6,000	3,470	2,300
15	.....	4,140	9,200	8,150				22,000	21,200	4,850	7,200	3,800	2,300
16	.....	3,470	8,150	8,150		6,500	9,200	16,400	18,800	4,850	6,800	3,470	2,300
17	.....	2,840	14,800	7,200	5,000		9,800	13,200	16,400	4,490	6,800	3,470	2,560
18	.....	2,080	14,800	8,150			14,800	14,000	16,400	4,490	6,000	3,150	2,560
19	.....	2,080	14,000	9,800			22,900	22,900	17,200	4,140	4,490	2,840	2,300
20	.....	2,300	11,800	7,650			16,400	18,800	17,200	3,470	6,400	2,840	2,840
21	.....	2,300	11,100	6,800			14,800	22,000	14,800	3,470	5,600	2,840	2,560
22	.....	3,800	13,200	6,800			16,400	54,500	15,600	3,800	5,220	3,470	2,560
23	.....	2,840	14,800	7,200		6,800	17,200	38,700	13,200	3,800	5,220	5,220	2,300
24	.....	5,220	13,200	11,100	8,150		14,800	32,400	9,800	3,470	5,220	5,220	2,300
25	.....	4,850	12,500	11,800	18,000		13,200	24,700	8,560	3,470	5,600	4,850	2,300
						6,000							
26	.....	5,600	12,500	12,500	12,000		12,500	22,000	8,650	3,470	4,490	5,220	2,300
27	.....	4,140	9,800	14,800	8,000		11,800	18,800	8,150	3,470	4,490	5,220	1,720
28	.....	3,470	7,200	13,200	7,500		14,800	21,200	8,150	3,470	5,220	4,850	1,720
29	.....	2,560	8,150	11,800	7,500	.....	36,000	16,400	9,200	3,470	5,220	5,220	1,900
30	.....	2,080	9,800	11,100	8,000	.....	26,000	14,800	8,150	3,470	5,600	4,850	1,900
31	.....	4,140	.....	11,800	11,100	.....	80,400	.....	6,800	.....	5,600	4,490	.....

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-15												
1	1,900	1,240	2,300		11,100	29,400	6,000	8,150	6,800	2,840	6,000	11,100
2	1,720	1,400	2,300		45,700	24,700	5,600	8,150	6,000	2,840	6,000	10,400
3	1,720	1,400	2,080		40,900	22,900	5,600	8,150	7,200	4,850	6,400	8,650
4	1,560	1,240	2,080	3,200	22,900	22,900	5,600	7,200	7,200	6,800	8,150	7,650
5	1,560	1,240	2,080		19,600	22,000	5,220	7,650	6,800	7,200	32,400	7,200
6	1,560	1,400	2,300		14,000	14,000	5,600	8,650	5,220	7,200	34,400	6,400
7	1,560	1,400	2,560	5,600	35,400	12,500	6,400	8,150	4,490	6,800	25,600	6,400
8	1,560	1,560	5,220	29,400	26,500	12,500	5,400	7,650	4,490	5,220	18,000	6,400
9	1,400	1,560	7,650	44,500	22,900	11,800	6,800	7,650	4,140	5,220	18,000	6,000
10	1,560	1,400	6,400	26,500	19,600	10,400	6,800	6,800	4,140	5,600	18,000	6,400
11	1,560	1,400		20,400	15,600	9,800	7,200	6,800	3,470	24,700	14,800	6,000
12	1,560	1,400		16,400	13,200	9,800	20,400	6,800	3,470	21,200	12,500	5,600
13	1,400	1,240	5,000	61,000	13,200	9,200	35,400	6,400	3,150	11,100	12,500	4,850
14	1,560	1,240		58,400	14,800	8,650	28,400	6,800	3,800	11,800	12,500	4,490
15	1,400	1,240		39,800	14,800	8,650	22,900	6,400	3,800	13,200	10,400	4,140
16	1,560	2,840		29,400	18,800	8,650	21,200	6,400	3,800	14,000	9,800	4,140
17	1,560	2,560		22,900	28,400	8,150	21,200	6,800	4,490	10,400	9,800	4,140
18	2,080	2,560		21,200	22,900	8,150	18,800	6,800	4,140	8,650	9,200	4,140
19	1,720	2,840		26,500	21,200	8,150	16,400	6,400	4,490	8,150	8,150	4,490
20	1,400	2,840		42,100	18,800	7,200	15,600	6,400	4,850	7,650	7,200	5,220
21	1,400	2,840		39,800	14,800	6,800	12,500	6,800	4,850	7,650	7,200	5,600
22	1,240	2,560		32,400	17,200	6,800	11,100	6,800	4,490	7,200	7,200	7,200
23	1,400	2,080	3,400	29,400	17,200	6,400	8,650	11,100	4,850	6,000	6,000	8,150
24	1,400	2,080		26,500	15,600	6,000	7,200	14,000	5,220	5,220	5,220	8,650
25	2,080	2,080		24,700	27,400	6,000	8,150	14,800	4,850	5,600	6,400	8,150
26	1,900	2,080		22,000	43,300	6,000	8,150	14,800	4,490	6,000	6,400	7,650
27	1,900	2,080		21,200	34,400	5,220	7,650	12,500	3,470	5,600	5,600	7,650
28	1,900	2,080		19,600	37,600	6,800	8,150	11,100	3,150	4,850	11,800	7,200
29	1,900	2,080		16,400	.....	6,400	8,150	9,800	3,150	4,850	10,400	6,400
30	1,560	2,080		13,200	.....	6,400	8,650	11,100	3,150	6,800	11,100	6,400
31	1,240	.....		11,800	.....	6,000	.....	8,150	.....	6,800	11,100	.....
1915-16												
1	5,220	3,800	6,000	16,400	22,900	19,600	80,400	19,600	10,400	8,650	13,200	2,080
2	4,850	4,140	6,000	16,400	25,600	18,000	81,800	17,200	9,200	7,200	11,100	2,080
3	5,220	3,470	6,000	6,400	29,400	16,400	89,300	15,600	8,150	6,800	9,200	2,840
4	5,600	3,470	5,600	22,900	22,000	12,500	66,400	14,000	7,650	7,650	8,150	2,560
5	6,800	3,470	5,220	21,200	18,800	11,800	51,900	14,000	8,150	6,400	7,200	2,560
6	6,800	3,470	5,220	19,600	18,000	10,400	40,900	14,000	9,800	6,400	6,400	2,300
7	6,400	3,150	4,490	22,000	15,600	9,800	36,500	12,500	8,150	6,000	6,000	2,300
8	6,800	3,150	4,490	22,900	14,800	9,200	33,400	12,500	9,200	5,600	6,000	2,080
9	7,200	3,470	4,490	18,000	12,500	10,400	31,400	11,800	10,400	4,850	5,600	2,560
10	6,400	3,470	4,140	15,600	11,100	8,650	29,400	10,400	11,800	4,490	4,850	2,300
11	6,000	3,470	4,140	14,000	10,400	9,200	27,400	9,200	11,100	6,400	5,220	2,080
12	5,600	3,470	3,800	14,000	9,800	8,150	24,700	9,200	11,100	8,150	5,220	1,900
13	5,220	3,470	3,470	14,800	8,150	8,650	23,800	8,650	10,400	8,150	4,850	2,080
14	4,850	3,470	3,400	18,800	7,000	12,500	28,400	7,650	9,800	8,150	5,220	1,900
15	4,850	3,800	3,200	15,600	5,500	12,500	37,600	7,200	8,650	7,650	4,490	1,900
16	4,850	3,800	3,000	12,500	6,500	10,400	53,200	7,200	8,150	12,500	4,140	2,080
17	4,490	3,800	3,200	11,000	6,500	8,150	39,800	7,200	9,200	9,800	3,800	8,150
18	3,800	4,490	5,000	10,000	7,500	7,650	33,400	8,650	22,900	10,400	3,800	9,200
19	4,140	4,490	17,200	8,500	8,000	7,200	31,400	11,800	22,000	8,150	3,150	5,600
20	4,490	4,850	24,700	7,000	7,000	7,650	28,400	11,100	18,800	7,200	3,150	4,490
21	4,490	11,800	24,700	7,500	6,000	8,150	22,900	9,200	17,200	7,200	2,840	3,800
22	4,850	13,200	22,900	7,500	6,500	8,150	20,400	8,650	16,400	8,150	2,840	3,150
23	4,850	13,200	22,000	11,100	6,000	7,650	21,200	8,150	16,400	8,650	2,840	2,560
24	4,850	11,100	13,200	9,800	6,500	7,650	22,900	9,200	14,000	8,650	2,560	2,840
25	4,490	9,800	13,200	8,650	7,500	8,150	22,000	13,200	10,400	8,150	2,560	2,840
26	5,220	9,200	17,200	8,150	20,400	11,100	20,400	11,800	9,200	7,650	2,300	2,560
27	3,800	8,150	22,000	9,800	25,600	12,500	18,800	10,400	8,650	8,650	2,300	3,150
28	3,800	6,800	19,600	10,400	28,400	12,500	17,200	9,200	8,650	46,900	2,300	2,840
29	3,800	6,400	18,000	11,100	29,400	14,800	14,800	8,650	8,150	22,000	2,300	2,560
30	4,490	6,000	15,600	37,600	.....	42,100	22,900	8,150	8,150	18,000	2,080	2,560
31	4,490	.....	14,000	36,500	.....	42,100	.....	7,650	.....	11,800	2,080	.....

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-17												
1	2,560	3,150	4,140	7,000	8,650	7,650	32,400	6,800	11,800	14,000	4,140	7,650
2	2,560	2,840	4,140	7,000	8,150	8,650	30,400	6,400	9,800	12,500	4,140	7,200
3	2,300	2,560	12,500	7,000		9,200	43,300	7,650	10,400	11,100	4,490	6,000
4	2,300	2,300	16,400	7,000		9,200	42,100	7,650	12,500	10,400	3,470	5,600
5	2,560	2,840	14,800	16,400		9,800	32,400	11,100	10,400	9,800	3,470	4,490
6	2,560	2,840	7,650	18,000		6,400	31,400	8,650	9,800	9,200	3,150	4,140
7	2,300	2,840	6,800	18,000		6,400	27,400	11,800	9,800	7,200	2,840	3,800
8	2,080	2,560	6,400	15,600		5,600	27,400	13,200	11,100	6,400	2,840	3,800
9	2,080	2,560	5,600	16,400		8,150	24,700	13,200	16,400	6,000	2,840	4,140
10	2,080	2,300	5,600	14,000		9,200	22,000	12,500	17,200	6,800	11,100	3,800
11	1,900	2,560	6,000	12,500		12,500	20,400	12,500	14,800	7,650	9,800	3,470
12	1,720	2,560	6,400	9,800		16,400	17,200	11,800	18,800	11,800	8,150	3,150
13	1,720	2,560	6,000	7,500	5,000	24,700	15,600	10,400	42,100	14,800	7,200	3,150
14	1,720	2,840	5,600	6,500		15,600	14,000	8,650	34,400	14,800	6,000	2,840
15	1,720	2,840	4,850	10,000		17,200	14,000	8,650	27,400	14,800	4,850	2,560
16	1,720	2,560	4,490	18,800		16,400	12,500	8,150	26,500	12,500	4,490	2,840
17	1,720	2,560	4,490	23,800		14,000	9,800	7,200	23,800	9,800	8,650	2,560
18	1,720	2,560	3,600	19,600		20,400	10,400	6,800	20,400	9,200	6,400	2,300
19	1,900	2,560	3,600	17,200		11,800	9,800	7,200	16,400	9,800	5,220	2,300
20	2,080	2,300	4,000	15,600		13,200	9,200	6,800	14,000	7,650	5,220	2,080
21	5,220	2,300	4,000	11,800		11,800	9,800	6,000	14,000	6,800	4,850	2,080
22	5,220	2,300	6,000	1,320		9,200	11,800	6,000	13,200	6,400	4,490	2,080
23	6,800	2,300	18,000	18,000		10,400	11,100	5,600	11,800	6,400	3,800	2,080
24	7,200	2,560	15,000	13,200		14,800	11,800	5,220	10,400	6,800	3,800	1,900
25	5,600	3,470	11,000	9,800		24,700	9,800	5,660	11,800	6,000	3,800	1,720
26	4,490	5,600	13,000	9,200	7,000	53,200	9,200	5,220	12,500	6,000	6,800	1,720
27	4,140	6,400	11,000	8,150		46,900	8,150	4,850	12,500	5,600	7,650	1,720
28	3,800	5,220	10,000	6,800		69,200	8,150	4,850	11,800	5,600	6,400	1,720
29	3,470	4,140	9,000	6,800	.....	86,300	7,650	6,000	22,000	5,600	5,220	1,720
30	3,150	4,140	9,500	8,150	.....	54,500	7,650	8,650	16,400	5,220	4,140	1,720
31	3,150	.....	8,000	11,100	.....	40,900	.....	11,800	.....	4,490	4,490	.....
1917-18												
1	1,720	76,200	4,490			36,500	11,100	14,800	14,800	3,800	4,850	1,400
2	1,720	39,800	4,490			30,400	10,400	14,800	14,000	3,800	3,470	1,400
3	1,720	25,600	5,600			39,800	10,400	14,000	11,100	3,800	3,470	2,080
4	1,720	14,800	5,220			42,100	12,500	13,200	9,200	3,800	3,150	2,300
5	1,720	15,600	5,220			25,600	12,500	12,500	7,650	3,470	2,300	2,300
6	1,720	13,200	4,850	2,220		22,000	13,200	11,100	7,650	3,470	2,080	2,840
7	1,720	11,100	4,490		3,400	22,900	13,200	10,400	7,200	3,150	2,080	2,300
8	1,720	9,200	4,140			34,400	9,800	9,200	7,200	3,150	2,080	2,300
9	1,720	8,650	3,800			25,600	8,650	8,650	7,200	2,840	2,080	3,150
10	1,900	7,650	3,150			25,600	9,200	7,650	6,800	2,560	1,900	1,900
11	1,900	7,200				21,200	20,400	7,650	9,200	2,560	1,900	1,900
12	1,900	6,400		7,650		20,400	18,000	7,200	6,800	2,840	1,720	1,720
13	1,900	6,400		7,650	6,000	18,800	19,600	6,800	6,800	2,840	1,900	1,720
14	1,900	6,000		7,200	14,000	23,800	19,600	7,200	7,200	2,840	2,300	1,900
15	2,560	5,220	3,200	9,200	18,800	34,400	18,000	11,100	9,200	3,150	3,470	1,900
16	3,150	5,220		9,800	31,400	31,400	25,600	12,500	9,200	3,470	3,800	1,720
17	3,470	4,850		8,650	28,400	31,400	28,400	11,100	5,600	3,470	2,560	1,720
18	3,150	4,850		7,650	14,800	22,900	27,400	9,200	5,600	3,150	2,300	1,900
19	2,840	4,490			14,800	24,700	30,400	8,650	5,220	3,470	2,080	1,900
20	2,840	4,140			53,200	26,500	29,400	7,650	4,490	3,470	1,900	2,080
21	3,470	4,140	4,140		44,500	28,400	28,400	7,200	3,800	3,150	1,720	2,300
22	3,800	4,140	4,490		57,100	31,400	30,400	11,100	4,140	2,840	1,720	2,300
23	5,600	4,490	4,490		31,400	31,400	39,800	10,400	6,800	2,840	1,720	3,470
24	5,600	6,800			39,800	32,400	36,500	9,800	6,400	2,300	1,560	4,490
25	6,000	7,200		4,200	22,000	26,500	29,400	8,650	8,150	2,080	1,550	4,140
26	7,650	6,000			38,700	22,000	24,700	8,150	6,400	2,080	1,560	3,150
27	11,100	5,600	3,200		44,500	19,600	21,200	7,200	5,600	2,080	1,560	2,840
28	10,400	4,140			53,200	17,200	18,000	15,600	4,490	2,080	1,900	3,150
29	8,650	4,140			.....	14,000	16,400	14,000	4,140	1,900	1,900	10,400
30	9,800	4,140			.....	12,500	14,800	12,500	4,140	1,900	1,900	7,650
31	27,400	.....			.....	11,800	.....	11,100	.....	2,300	1,900	.....

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-19												
1	6,000	3,470	3,800	9,200	10,400	9,800	22,900	14,000	10,400	4,490	8,650	4,490
2	4,850	5,600	3,470	14,800	9,200	21,200	23,800	15,600	9,200	3,800	9,200	4,490
3	4,490	4,850	3,470	18,000	7,200	19,600	22,000	16,400	9,200	3,470	7,200	4,490
4	4,490	6,800	3,150	27,400	6,800	17,200	22,000	13,200	7,650	3,470	7,200	4,850
5	4,140	5,600	3,800	22,000	6,800	19,600	22,900	12,500	7,200	3,150	6,400	5,600
6	4,140	5,600	3,470	15,600	5,600	17,200	14,800	12,500	5,600	3,150	6,000	6,000
7	3,800	4,850	4,140	12,500	4,850	18,000	14,000	9,200	6,000	3,800	7,650	6,400
8	3,470	4,850	3,470	10,400	5,220	20,400	12,500	9,200	6,400	4,490	10,400	5,220
9	3,800	4,850	3,800		4,850	16,400	11,800	9,800	7,200	4,140	15,600	4,850
10	3,800	4,850	3,800		5,220	18,800	10,400	11,100	7,200	4,140	11,800	4,490
11	3,470	4,490	3,470		5,220	44,500	9,800	17,200	7,650	3,800	9,200	4,140
12	3,470	3,800	4,140		4,490	43,300	10,400	19,600	7,200	3,150	6,800	4,850
13	3,800	3,800	3,800	11,000	4,140	43,300	22,900	18,800	5,600	4,140	6,400	6,000
14	5,220	4,140	4,850		4,850	40,900	23,800	20,400	5,220	3,150	14,800	5,220
15	4,850	4,490	5,220		6,000	27,400	24,700	21,200	4,490	3,150	11,100	4,850
16	4,490	3,470	6,000		10,400	17,200	22,900	18,000	4,140	3,470	10,400	4,850
17	4,140	3,800	5,600		14,000	18,000	25,600	18,000	3,470	3,470	9,800	4,490
18	4,140	4,140	6,000	19,600	10,400	18,800	21,800	18,000	3,800	3,800	9,800	4,140
19	4,140	5,220	5,220	8,650	9,200	21,200	18,800	20,400	4,140	9,200	10,400	3,800
20	3,800	4,850	4,850	8,150	9,800	24,700	23,800	21,200	4,140	9,800	9,800	3,470
21	3,800	4,490	4,140	7,650	7,650	22,000	22,000	20,400	4,490	12,500	8,650	3,470
22	3,800	6,000	5,600	8,150	6,000	21,200	22,000	22,900	4,850	30,400	8,150	3,470
23	3,150	5,600	14,800	8,650	5,220	18,000	20,400	24,700	4,490	48,100	7,200	10,400
24	3,470	5,600	17,200	11,800	9,800	16,400	19,600	25,600	3,800	34,400	6,000	5,600
25	3,470	4,850	27,400	14,000	9,200	14,000	18,000	20,400	3,470	23,800	6,400	4,850
26	3,470	4,490	27,400	17,200	10,400	12,500	18,800	18,800	4,140	17,200	6,000	4,850
27	3,470	3,800	17,200	17,200	10,400	11,800	18,800	17,200	4,490	16,400	6,400	4,850
28	3,470	4,140	20,400	12,500	9,200	17,200	18,000	16,400	5,220	13,200	5,600	4,140
29	3,470	4,140	14,800	10,400	.....	40,900	16,400	14,800	5,220	12,500	5,220	4,140
30	3,470	4,140	12,500	11,100	.....	22,000	14,800	14,800	4,850	11,800	4,850	3,800
31	3,800	.....	11,100	11,100	.....	22,900	.....	13,200	.....	9,200	4,850	.....
1919-20												
1	3,470	6,800	27,400	.....	.....	2,200	48,100	17,200	6,000	4,490	9,200	4,140
2	3,470	11,800	22,900	.....	.....	2,200	46,900	15,600	5,600	4,850	9,800	3,470
3	3,800	18,000	19,600	.....	.....	3,000	51,900	14,800	5,220	6,400	8,150	4,140
4	3,800	22,900	16,400	.....	.....	4,000	48,100	14,000	4,850	6,400	7,200	4,140
5	4,140	22,000	14,000	.....	.....	6,000	40,900	12,500	4,850	6,800	6,800	4,140
6	3,150	22,900	11,800	.....	.....	10,000	48,100	11,800	6,000	7,200	6,000	3,800
7	3,470	22,900	11,000	.....	.....	7,0000	45,700	11,100	9,800	7,200	6,400	3,800
8	3,150	22,000	12,500	.....	.....	5,000	35,400	9,800	9,200	5,600	5,600	8,650
9	3,470	20,400	14,000	.....	.....	4,000	29,400	9,800	7,650	4,850	5,220	7,650
10	3,150	14,800	15,000	.....	.....	4,000	24,700	9,200	6,800	4,490	5,220	6,800
11	3,150	14,000	15,000	.....	.....	7,000	18,800	9,200	6,000	4,490	5,220	8,150
12	3,470	13,200	15,000	.....	.....	22,000	19,600	9,200	5,220	4,140	8,650	8,150
13	3,470	18,000	18,800	.....	.....	44,000	19,600	9,200	4,850	5,600	9,800	11,800
14	4,490	22,000	19,600	.....	.....	57,100	21,200	14,000	4,850	4,490	9,800	14,000
15	6,000	22,000	18,000	.....	.....	76,200	24,700	14,000	5,600	4,490	9,200	12,500
16	7,200	19,600	17,000	.....	.....	54,500	22,000	12,500	5,600	6,400	14,000	12,500
17	7,650	16,400	16,400	.....	.....	65,000	20,400	10,400	5,220	6,800	14,000	9,800
18	8,650	14,800	14,800	.....	.....	59,700	24,700	9,200	6,000	6,400	16,400	8,650
19	7,200	14,000		.....	.....	59,700	21,200	8,650	9,200	6,000	14,000	7,200
20	7,650	12,500		.....	.....	45,700	19,600	8,150	16,400	6,800	15,600	6,800
21	7,200	11,800		.....	.....	35,400	18,800	8,150	12,500	7,200	12,500	6,000
22	6,400	11,100		.....	.....	34,400	21,200	9,200	10,400	6,800	10,400	5,600
23	6,000	9,200		.....	.....	32,400	21,200	14,800	8,650	6,800	9,200	4,140
24	5,600	8,650		.....	.....	35,400	22,000	12,500	7,650	6,400	9,200	4,850
25	5,220	8,150	8,000	.....	.....	46,900	18,800	11,100	7,200	32,400	7,650	4,490
26	5,220	9,220		.....	.....	62,300	18,000	9,800	6,400	40,900	6,400	4,490
27	5,600	11,800		.....	.....	67,800	16,400	8,650	6,400	27,400	5,600	4,140
28	5,600	39,800		.....	.....	76,200	15,600	8,150	5,220	19,600	5,220	4,850
29	6,000	36,500		.....	.....	62,300	14,800	7,200	4,850	15,600	4,850	4,490
30	5,600	31,400		.....	.....	57,100	16,400	7,200	4,850	12,500	5,220	5,220
31	5,600	.....		.....	.....	51,900	.....	6,000	.....	11,100	5,600	.....

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1920-21												
1	14,800	8,150	12,500	11,100	7,650	24,700	18,000	17,200	5,600	6,800	3,470	2,300
2	43,300	7,200	28,400	9,800	6,400	25,600	25,600	23,800	5,220	4,850	4,850	2,560
3	38,700	6,800	54,500	9,800	6,000	28,400	23,800	25,600	5,220	3,800	4,850	1,900
4	25,600	8,150	49,300	9,800	5,220	36,500	22,000	21,200	5,600	3,800	5,600	2,080
5	19,600	17,200	39,800	11,800	4,850	54,500	18,800	29,400	5,220	3,470	5,600	2,080
6	17,200	13,200	31,400	11,100	4,490	35,400	15,600	23,800	4,850	3,150	4,850	1,900
7	13,200	9,800	32,400	9,200	8,150	27,400	14,800	21,200	4,490	3,150	4,490	1,900
8	11,100	9,800	27,400	9,800	7,200	30,400	14,000	19,600	4,490	2,840	7,200	2,840
9	9,800	8,150	22,900	9,200	6,800	54,500	14,000	16,400	3,800	2,560	4,490	2,300
10	9,200	7,200	19,600	8,650	7,650	69,200	14,800	14,800	3,800	3,800	4,140	2,080
11	8,150	7,650	18,000	7,650	7,200	89,300	12,500	12,500	3,800	3,800	4,140	2,080
12	7,200	7,200	16,400	7,650	8,150	54,500	11,800	11,100	3,800	3,470	4,140	2,080
13	6,800	6,000	14,800	7,650	6,800	43,300	11,100	11,800	3,470	4,490	3,800	2,080
14	6,400	6,400	13,200	7,200	6,400	38,700	9,800	15,600	3,470	4,490	3,470	1,900
15	6,000	6,000	25,600	14,000	6,400	36,500	9,200	13,200	3,150	4,140	3,800	1,900
16	5,220	6,000	49,300	18,800	6,400	32,400	9,800	11,800	3,150	6,000	3,800	1,900
17	5,600	8,150	35,400	21,200	6,800	29,400	10,400	10,400	3,150	5,600	3,470	2,080
18	4,850	11,800	28,400	15,600	7,200	28,400	12,500	9,200	2,840	6,000	3,800	2,080
19	5,600	15,600	22,900	9,000	8,150	23,800	21,200	8,650	2,840	5,220	3,150	1,900
20	5,220	15,600	19,600	7,500	13,200	21,200	19,600	7,650	2,840	24,700	3,150	2,080
21	4,490	12,500	16,400	7,000	8,650	19,600	17,200	7,200	2,840	11,100	2,840	1,720
22	4,140	11,100	14,800	8,000	6,800	18,800	14,800	6,800	2,840	7,650	2,560	1,900
23	4,490	17,200	14,800	17,200	7,200	17,200	12,500	6,400	2,560	7,200	3,150	3,470
24	4,140	20,400	18,800	10,400	8,150	16,400	22,000	6,800	2,560	7,200	2,560	2,560
25	4,140	39,800	18,800	8,650	7,650	16,400	27,400	6,300	2,300	5,600	2,560	4,850
26	4,140	28,400	17,200	7,650	6,000	25,600	24,700	6,400	2,300	4,490	2,560	3,800
27	3,800	22,900	13,200	8,000	6,800	26,500	22,900	7,200	2,560	3,800	2,300	3,150
28	4,140	19,600	12,500	8,150	15,600	27,400	18,000	7,200	2,560	3,800	2,300	2,840
29	5,600	17,200	11,100	8,650	.....	22,900	15,600	6,800	2,300	3,470	2,300	2,560
30	7,200	15,600	10,400	9,200	.....	20,400	14,800	6,000	3,150	3,150	2,080	2,560
31	8,150	.....	11,100	8,150	.....	18,000	.....	5,600	.....	3,800	2,560	.....
1921-22												
1	2,300	2,300	57,100	6,500	4,000	15,600	35,400	8,150	6,400	8,150	4,140	4,140
2	2,300	2,500	35,400	5,000	3,800	12,500	30,400	7,650	6,000	23,800	4,490	4,850
3	2,080	2,300	31,400	4,000	10,000	11,800	27,400	7,200	6,800	21,200	4,490	4,850
4	1,900	3,150	43,300	5,000	16,000	10,400	23,800	7,200	14,800	27,400	5,600	4,490
5	2,080	5,600	34,400	7,000	11,800	12,500	27,400	11,800	46,900	22,900	6,000	6,800
6	2,300	4,490	28,400	7,500	10,400	13,200	25,600	19,600	30,400	18,800	5,600	5,600
7	2,300	4,140	22,900	7,500	12,500	14,000	25,600	21,200	31,400	14,800	5,220	6,000
8	2,840	3,470	18,800	8,500	11,100	44,500	29,400	17,200	29,400	15,600	4,850	5,220
9	2,840	3,470	16,400	10,000	9,800	98,400	26,500	14,800	23,800	10,400	4,140	4,490
10	2,560	3,470	13,200	7,500	7,200	50,600	26,500	13,200	18,800	9,200	3,800	4,140
11	2,300	3,150	12,500	6,000	6,800	38,700	23,800	11,800	15,600	8,650	4,140	4,490
12	2,560	2,840	10,400	6,000	6,800	36,500	22,000	10,400	14,000	7,200	4,140	5,220
13	2,840	3,470	10,400	5,000	7,000	34,400	27,400	9,200	14,000	6,800	3,800	4,140
14	2,560	3,470	9,200	4,400	6,500	31,400	32,400	8,150	17,200	7,650	3,150	4,490
15	2,840	3,800	8,650	4,400	6,000	30,400	27,400	7,650	13,200	6,400	3,150	4,140
16	3,470	3,800	7,200	4,400	6,000	32,400	36,500	8,150	11,100	5,600	3,150	4,140
17	3,150	4,140	6,400	4,400	6,000	31,400	35,400	7,650	9,200	5,220	2,840	3,800
18	2,840	4,850	6,400	4,400	5,500	25,600	30,400	7,200	8,650	4,850	2,840	3,150
19	2,560	5,220	8,650	5,000	5,500	21,200	27,400	8,150	32,400	5,600	2,560	3,150
20	2,560	6,400	13,200	5,500	6,000	20,400	27,400	13,200	22,000	6,000	2,840	2,840
21	2,560	9,200	12,500	5,500	7,700	27,400	23,800	22,900	15,600	5,220	2,300	2,560
22	2,840	14,800	10,400	6,000	12,500	31,400	20,400	19,600	14,000	4,850	2,300	2,560
23	4,140	12,500	8,650	5,500	12,500	23,800	18,000	15,600	12,500	4,490	2,300	2,560
24	5,220	9,800	6,400	5,000	17,200	19,600	15,600	13,200	11,800	3,800	2,300	2,300
25	4,850	8,650	7,650	4,600	28,400	18,000	14,000	11,800	10,400	3,800	2,300	2,300
26	4,140	7,650	8,150	4,000	29,400	18,000	12,500	13,200	9,200	3,470	2,560	2,300
27	3,800	9,800	7,650	3,400	31,400	18,000	11,100	10,400	8,650	3,800	2,840	2,080
28	2,840	9,200	8,150	3,400	19,600	18,800	10,400	9,200	8,150	3,800	3,150	2,080
29	2,840	34,400	7,200	3,600	.....	26,500	9,800	8,150	7,650	3,470	5,600	2, 0
30	2,840	96,800	6,500	3,800	.....	37,6000	9,200	7,650	6,800	3,800	5,220	2,080
31	2,560	.....	6,000	4,000	.....	32,400	.....	7,200	.....	4,140	4,490	.....

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	2,080	1,900	1,400	3,800	6,000	7,000	19,600	27,400	6,000	2,840	5,600	4,140
2	1,900	2,080	1,400	11,100	6,400	7,500	16,400	20,400	6,000	3,000	4,140	3,000
3	1,900	1,900	1,560	17,200	7,200	7,500	14,800	16,400	5,000	2,700	4,140	2,430
4	1,900	2,080	1,720	20,400	8,650	14,800	14,800	13,200	5,600	2,560	3,470	1,990
5	1,900	1,900	1,720	14,800	8,650	21,200	18,000	11,100	5,600	2,560	3,800	1,810
6	1,720	2,080	1,560	11,800	8,150	21,200	38,700	9,800	5,220	2,840	3,150	1,810
7	1,560	2,300	1,560	9,200	7,500	23,800	73,400	9,200	5,220	2,700	2,840	1,720
8	1,560	1,900	1,560	8,150	7,000	24,700	53,200	8,650	6,400	2,430	2,430	1,640
9	1,560	1,900	1,560	6,000	6,500	19,600	38,700	7,650	7,200	2,300	2,190	1,990
10	2,080	2,080	1,560	5,600	6,500	18,000	32,400	13,200	9,200	2,080	2,300	1,990
11	4,140	2,080	1,560	6,800	7,000	15,600	26,500	26,500	9,200	2,080	1,900	2,190
12	5,220	2,080	2,080	6,400	6,500	15,600	22,000	21,200	7,650	2,080	1,720	4,140
13	5,220	2,080	1,900	6,400	6,000	23,800	19,600	18,800	6,800	2,080	1,720	3,470
14	5,600	1,900	2,080	6,400	6,500	24,700	18,000	22,000	6,000	2,080	1,810	2,840
15	4,140	1,900	2,300	4,670	6,500	21,200	16,400	21,200	4,850	1,810	1,640	2,190
16	3,150	1,900	2,080	4,600	4,400	20,400	14,800	17,200	5,220	1,640	1,720	2,190
17	2,840	1,720	2,080	4,400	4,600	40,900	11,800	16,400	4,850	1,640	1,560	1,900
18	2,840	1,720	2,300	4,400	5,500	37,600	11,800	19,600	4,490	1,720	1,560	1,810
19	2,560	1,720	2,300	4,600	5,000	44,600	10,400	18,000	4,140	1,640	1,480	1,640
20	2,560	1,900	2,300	4,600	4,600	43,300	9,800	17,200	4,140	1,480	1,640	1,640
21	2,300	1,900	1,900	5,000	4,400	36,500	9,200	13,200	3,800	1,400	1,480	2,190
22	2,300	1,720	1,900	6,800	4,400	30,400	8,650	14,800	3,470	1,400	1,480	2,560
23	2,300	1,720	1,900	10,400	4,400	33,400	8,150	15,600	3,470	1,640	1,480	2,560
24	2,080	1,720	2,840	11,800	4,200	44,500	8,650	13,200	3,000	1,400	1,480	2,560
25	2,080	1,720	2,840	14,000	4,600	69,200	8,150	11,800	3,000	1,480	1,480	4,850
26	2,080	1,720	2,080	9,800	4,800	53,200	7,650	10,400	2,840	1,560	1,400	6,400
27	1,900	1,720	2,300	9,800	5,500	42,100	7,200	9,200	2,840	1,640	1,320	5,600
28	2,080	1,900	2,560	9,800	7,000	33,400	6,800	8,150	2,700	1,560	1,320	4,490
29	2,300	1,720	2,840	9,200	.....	29,400	17,200	7,650	2,700	1,640	1,480	3,800
30	2,300	1,720	2,840	9,800	.....	22,900	12,500	7,200	3,150	7,200	1,480	3,150
31	2,080	.....	2,560	8,150	.....	20,400	.....	6,400	.....	6,400	1,640	.....
1923-24												
1	2,700	6,000	11,100	12,500		4,490	27,400	16,400	11,800	6,400	2,300	2,430
2	3,000	5,600	33,400	11,100	10,000	4,850	24,700	13,200	9,800	6,000	2,300	2,080
3	2,840	5,600	27,400	14,800		5,220	18,800	14,000	9,200	5,600	2,080	2,190
4	2,560	4,850	19,600	18,000	9,200	4,850	18,000	14,000	8,650	5,220	1,900	1,900
5	2,300	4,490	16,400	14,800	7,650	9,200	20,400	11,800	8,650	4,850	1,990	1,720
6	2,080	4,140	18,000	13,000	18,000	11,800	26,500	14,000	7,650	4,490	2,080	1,810
7	2,080	4,140	21,200	9,800	11,100	18,800	76,200	14,000	7,650	4,140	2,080	1,990
8	1,990	4,140	26,500		8,150	13,200	121,000	11,800	7,650	3,800	2,080	2,080
9	1,900	4,140	23,800		6,800	11,100	77,600	15,600	8,600	6,800	2,080	2,080
10	1,900	5,220	18,000	9,900	7,650	11,800	50,000	18,000	8,650	9,800	1,990	2,190
11	1,900	5,600	16,400		7,200	11,100	39,800	18,000	7,650	10,400	1,810	2,700
12	1,810	4,850	14,800	43,300	5,600	14,800	33,400	25,600	7,200	8,150	2,560	2,840
13	1,810	4,490	14,800	58,400	6,000	12,500	28,400	34,400	6,800	6,800	3,800	5,220
14	1,720	4,140	13,200	37,600	5,220	9,800	24,700	45,700	7,200	6,800	4,140	4,850
15	1,720	4,140	11,800	28,400	5,850	8,650	22,900	39,800	7,200	5,220	3,150	3,150
16	1,720	3,800	11,100	19,600	5,600	7,650	22,900	43,300	6,400	5,600	2,840	2,840
17	1,560	3,800	10,400	31,400	5,220	6,800	22,000	37,700	5,600	5,220	2,190	2,560
18	1,560	3,800	9,200	48,100	4,850	6,400	18,800	30,400	5,600	4,490	2,190	2,300
19	1,560	3,470	8,150	37,600	5,600	6,800	26,500	26,500	5,600	4,140	2,560	2,300
20	1,640	3,470	7,650	28,400	5,600	6,800	35,400	24,700	5,600	3,800	2,430	2,080
21	1,640	3,150	7,200	23,800	9,800	6,800	34,400	22,900	6,000	3,470	2,300	1,990
22	1,720	3,150	7,200	18,000	18,800	7,200	28,400	21,200	5,220	3,470	2,080	1,900
23	1,640	3,000	13,200		8,650	7,200	26,500	18,800	4,490	3,470	2,190	2,080
24	2,560	3,470	18,000		6,800	7,650	30,400	16,400	4,490	3,470	2,300	2,190
25	9,200	3,470	19,600		5,600	11,800	25,600	16,400	4,850	3,150	2,300	2,300
26	10,400	4,140	18,000	13,300	4,850	16,400	21,200	16,400	6,400	3,000	2,560	2,080
27	13,200	4,850	14,800		4,490	17,200	18,800	14,000	6,000	2,700	2,190	2,190
28	9,800	4,850	14,000		4,490	16,400	16,400	13,200	5,600	2,560	2,190	2,080
29	7,650	4,140	14,000		4,490	14,800	14,800	12,500	6,400	2,560	2,840	2,080
30	6,800	4,140	12,500		.....	30,400	14,000	11,800	7,200	2,560	3,150	2,700
31	6,400	.....	10,400		.....	25,600	.....	13,200	.....	2,560	2,700	.....

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	105,000	2,560	5,000			24,700	18,900	8,500	8,600	4,200	13,000	2,190
2	108,000	2,560	5,000			22,900	18,100	9,150	8,100	4,200	11,600	2,190
3	55,800	2,560	4,220			21,300	17,300	9,750	8,100	3,520	8,600	2,080
4	32,400	2,300	3,860			19,700	17,300	9,150	7,600	3,520	7,500	2,080
5	22,900	2,300	4,220		3,200	17,300	16,500	9,150	7,100		6,500	1,990
6	17,300	2,300	5,000			16,500	15,100	9,150	7,100		5,800	2,000
7	14,400	2,300	7,100			15,800	15,100	8,600	5,400	4,400	5,800	2,600
8	12,300	2,300	6,650			16,500	14,400	8,100	5,400		5,400	2,800
9	11,000	2,300	8,600			16,500	12,300	8,100	5,400		6,650	3,200
10	9,150	2,080	10,400		13,700	16,500	12,300	8,100	5,400			3,180
11	8,600	2,080	11,000		15,800	15,800	12,300		4,600	5,000		3,200
12	7,100	1,990	9,750		89,300	15,100	12,300		4,600	4,220	8,000	2,800
13	6,650	2,080	8,600		110,000	15,100	10,400		4,220	3,860		3,020
14	6,200	2,080	8,600		62,300	15,800	9,750	12,000	4,220	3,860		3,180
15	5,800	1,990	5,800		43,300	15,100	10,400		4,220	3,860		14,000
16	5,400	2,080	5,000		43,300	16,500	11,600		4,220	4,220	8,100	17,300
17	4,600	1,900	5,800	3,390	36,500	16,500	11,000	11,000	4,220	3,180	8,100	15,100
18	4,600	1,810	6,000		33,400	16,500	10,400	10,400	3,860	3,180	7,600	15,100
19	4,220	1,810	6,650		27,400	18,000	10,400	9,750	3,520	3,020	5,400	11,000
20	3,860	1,900	8,600		23,800	22,100	9,150	9,750	3,180	3,020	4,600	9,150
21	3,860	1,720	9,150		22,900	24,700	10,000	9,750	2,860	3,180	4,200	8,600
22	3,860	1,720	7,100		22,900	21,300	16,000	9,150	2,860	3,180	4,200	6,650
23	3,860	1,990			24,700	18,000	15,000	7,600	2,860	6,000	4,220	5,800
24	3,020	7,100			31,400	17,000	12,000	7,100	2,710	12,000	4,220	5,400
25	3,180	14,400			28,400	15,100	11,000		2,710	9,000	3,520	5,000
26	3,180	11,000	4,600		36,500	14,400	10,400	12,000	2,710	8,500	3,180	5,000
27	2,860	8,600			34,400	13,700	9,750		3,180	9,150	2,860	3,860
28	2,860	7,100			26,500	12,300	9,750		3,180	13,700	2,710	3,180
29	2,710	6,650			.....	12,300	9,000		3,800	15,000	2,430	3,020
30	2,710	5,800			.....	13,700	8,500	8,600	4,200	10,000	2,430	2,860
31	2,560	.....			.....	19,700	.....	8,600	.....	9,150	2,300	.....
1925-26												
1	2,560	8,600	11,600			22,100	18,900	14,400	3,520	3,520	5,000	5,000
2	2,560	7,600	9,750			21,300	18,100	13,000	5,500	3,180	5,400	4,600
3	2,710	7,100	9,750			22,100	15,800	13,000	8,100	3,180	3,860	5,400
4	3,180	6,650	19,700			21,300	16,500	13,000	8,600	3,180	3,180	7,100
5	2,860	6,650	23,800	6,500	8,600	20,500	15,100	11,000	7,100	2,560	2,860	5,400
6	2,860	6,200	31,400			18,100	14,400	10,000	6,650	2,430	3,180	5,000
7	2,710	6,200	38,700			29,400	13,700	9,750	5,400	2,300	2,860	15,100
8	2,560	6,200	34,400			29,400	15,800	8,600	5,800	2,710	2,860	15,100
9	2,560	8,600	27,400			18,900	25,600	8,100	5,800	2,300	2,300	12,300
10	2,430	8,600	22,900			18,100	46,900	7,600	5,800	1,990	2,300	11,000
11	3,020	15,800	19,700			18,100	42,100	6,650	5,400	2,430	2,300	9,150
12	2,860	13,000	16,500			17,300	35,400	6,200	5,400	1,990	2,860	7,600
13	2,560	22,900	15,800			13,700	29,400	6,200	4,600	2,080	6,650	6,200
14	2,710	26,500	14,400			13,000	23,800	6,200	4,220	1,900	5,000	5,800
15	3,180	33,400	12,300	4,800	10,000	11,000	21,300	5,800	4,220	1,810	3,860	5,400
16	3,520	28,400	11,000			10,400	19,700	5,400	5,400	2,190	6,650	5,000
17	4,600	35,400	10,400			9,750	18,900	5,400	5,800	2,190	11,000	4,600
18	3,860	38,700	9,150			8,600	18,100	5,000	5,800	2,190	9,750	4,600
19	3,520	29,400	8,100	20,500		8,100	15,800	5,000	5,400	1,990	11,600	4,220
20	3,520	22,900	8,600	15,100		8,600	13,700	5,000	4,600	2,430	12,300	3,860
21	3,520	19,700	8,100	23,800		10,400	12,300	5,000	4,220	2,190	11,000	3,860
22	3,520	16,500	8,100	22,100		11,600	11,600	5,400	3,860	1,990	8,600	3,520
23	3,180	14,400	7,600	17,300		14,400	10,400	5,800	3,520	1,900	7,100	3,180
24	3,180	13,000	9,750	13,700		19,700	9,750	5,000	3,860	2,190	6,200	3,180
25	4,220	12,300	9,750	11,600	22,000	26,500	20,500	5,000	3,860	2,300	10,400	3,180
26	11,600	11,000		7,100		30,400	22,100	4,600	3,860	2,430	10,400	3,520
27	15,100	10,400		6,650		34,400	25,600	4,220	3,860	2,430	10,400	3,860
28	17,300	10,400	5,500			28,400	18,900	3,860	4,220	1,900	9,150	3,860
29	13,000	12,300		6,500	.....	22,900	15,800	3,860	4,220	2,300	7,600	3,860
30	10,400	14,400			.....	18,900	15,100	3,520	3,860	3,180	7,100	4,600
31	9,150	.....			.....	17,300	.....	3,520	.....	2,860	5,800	.....

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	5,400	14,400	17,300	7,600	18,900	19,800	14,400	14,400	15,800	6,200	5,400	19,700
2	5,000	14,400	16,500	7,100	20,500	17,300	13,700	12,300	13,700	6,200	9,750	18,900
3	4,600	14,400	15,100	6,650	18,100	15,100	13,700	11,000	13,000	5,800	11,000	35,400
4	4,220	12,300	12,300	6,200	15,800	13,000	12,300	11,000	11,600	5,000	10,400	33,400
5	3,860	11,600	12,300	5,800	15,800	13,000	11,600	11,000	11,000	4,600	8,600	22,900
6	3,860	11,000	8,500	6,650	14,400	11,600	12,300	10,400	11,600	4,220	7,100	17,300
7	5,880	10,400	8,000	6,650	13,000	11,600	12,300	9,750	11,000	3,860	6,200	14,400
8	15,800	9,150	8,500	6,000	11,600	11,600	12,300	9,150	9,750	3,860	5,400	11,600
9	13,000	8,600	11,000	6,000	11,000	15,800	13,000	8,100	9,150	3,860	8,100	9,750
10	10,400	16,500	11,000	5,500	11,000	27,400	12,300	7,100	8,100	4,220	6,650	9,150
11	8,600	17,300	10,400	4,600	10,400	24,700	10,400	11,000	7,100	3,520	5,800	9,750
12	7,100	22,100	9,750	5,500	10,400	23,800	9,150	18,900	7,100	3,520	5,400	7,100
13	7,600	17,300	9,750	6,000	9,750	27,400	10,400	15,800	6,650	3,180	5,000	7,100
14	7,600	15,100	9,150	7,000	8,600	37,600	9,750	13,700	6,200	3,180	5,400	7,100
15	7,100	13,700	11,000	7,500	8,100	61,000	9,150	12,300	6,200	2,860	7,600	7,100
16	6,650	23,800	9,750	5,500	11,600	62,300	8,600	13,700	6,650	3,520	12,300	6,200
17	7,100	83,300	8,600	4,600	9,750	48,100	8,100	14,400	5,800	3,520	11,600	5,800
18	6,200	103,000	7,500	5,500	13,000	37,600	7,600	13,700	5,400	6,200	9,150	5,400
19	5,800	61,000	6,500	7,000	16,500	33,400	7,100	12,300	5,400	5,000	8,600	5,400
20	5,800	48,100	6,500	11,000	17,300	37,600	7,600	12,300	6,650	3,860	7,600	5,000
21	8,600	38,700	7,000	16,000	14,400	34,400	8,100	13,000	14,400	3,180	7,600	5,400
22	9,750	30,400	8,500	14,000	13,700	39,800	9,750	11,600	11,000	3,180	6,200	5,400
23	10,400	24,700	8,500	18,100	13,700	45,700	12,300	10,400	9,150	6,200	5,800	4,600
24	9,750	21,300	8,500	43,300	15,100	33,400	13,700	9,150	8,600	11,000	5,400	4,600
25	15,800	18,900	8,000	28,400	18,900	26,500	13,000	20,500	8,100	9,750	5,000	4,220
26	22,900	17,300	10,000	22,100	26,500	22,900	11,000	44,500	7,100	9,150	4,600	4,220
27	24,700	15,800	8,000	16,000	27,400	19,700	11,000	42,100	8,600	7,600	7,100	3,860
28	21,300	18,900	7,500	13,000	23,800	18,100	13,700	33,400	10,400	6,650	9,750	3,180
29	17,300	19,700	11,600	15,000	.....	16,500	17,300	26,500	9,150	5,800	12,300	3,180
30	15,100	17,300	10,400	16,000	.....	16,500	16,500	19,700	7,600	5,000	21,300	3,180
31	14,400	.....	8,600	18,100	.....	15,100	.....	18,100	.....	5,000	24,700	.....

Daily discharge, in second-feet, of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	3,180	10,400	27,400	18,900	9,000	11,600	26,500	44,500	11,600	40,900	11,600	14,400
2	3,020	10,400	22,900	21,300	9,000	13,000	21,300	45,700	11,000	59,700	11,000	13,700
3	3,020	13,000	27,400	20,500	9,500	9,150	19,700	36,500	10,400	39,800	9,150	13,700
4	4,600	34,400	29,400	16,500	10,000	11,000	16,500	32,400	8,600	29,400	9,750	16,500
5	12,300	59,700	31,400	12,000	13,000	9,150	15,800	26,500	9,150	23,800	10,400	22,100
6	18,100	49,300	28,400	12,000	14,000	8,100	15,100	24,700	22,900	34,400	10,400	17,300
7	12,300	35,400	23,800	13,000	12,000	8,100	14,400	22,100	37,600	46,900	13,700	15,800
8	11,000	28,400	33,400	14,000	16,000	7,600	16,500	24,700	40,900	33,400	14,400	15,100
9	12,300	23,800	76,200	15,000	20,000	7,100	21,300	20,500	30,400	24,700	13,700	13,700
10	7,600	20,500	67,800	15,000	21,300	11,000	22,900	18,100	26,500	19,700	9,750	11,000
11	7,100	18,900	42,100	14,000	20,500	7,100	19,700	17,300	26,500	18,100	11,600	9,750
12	7,100	17,300	34,400	12,000	16,500	7,600	22,100	14,400	24,700	16,500	13,000	9,150
13	15,100	18,100	32,400	10,000	12,300	7,100	20,500	13,000	19,700	18,900	11,000	8,600
14	29,400	16,500	35,400	9,750	10,400	11,600	22,900	12,300	16,500	19,700	11,000	8,100
15	29,400	15,100	46,900	10,400	22,100	15,100	24,700	11,000	15,800	23,800	10,400	7,600
16	18,900	14,400	45,700	10,400	30,400	22,100	28,400	9,750	15,100	37,600	9,150	7,600
17	12,300	14,400	37,600	8,600	30,400	15,100	27,400	9,750	15,100	26,500	5,800	7,100
18	31,400	37,600	33,400	9,750	21,300	13,700	21,300	10,400	11,000	21,300	20,500	6,650
19	57,100	74,800	27,400	8,600	18,100	13,700	19,700	9,750	9,750	16,500	15,800	7,100
20	106,000	54,500	22,900	10,400	15,100	12,300	16,500	10,400	11,600	15,800	14,400	7,600
21	89,300	37,600	21,300	9,750	13,000	11,600	16,500	18,900	15,100	13,700	11,000	7,600
22	61,000	30,400	18,900	8,500	12,300	12,300	20,500	22,100	16,500	13,000	9,750	7,100
23	42,100	26,500	17,300	7,000	18,100	10,400	22,900	18,100	16,500	11,600	12,300	8,600
24	32,400	20,500	16,500	8,000	32,400	10,400	40,900	18,900	19,700	11,000	9,150	7,100
25	26,500	22,100	15,100	10,000	29,400	11,000	44,500	24,700	18,900	13,700	11,000	5,400
26	22,100	21,300	13,700	17,300	28,400	17,300	37,600	18,900	18,100	13,700	11,600	5,000
27	18,900	21,300	11,000	16,500	19,700	24,700	30,400	16,500	30,400	11,000	15,100	5,000
28	16,500	20,500	11,000	15,800	15,800	27,400	33,400	14,400	27,400	18,900	35,400	5,000
29	15,100	26,500	11,600	10,000	14,400	25,600	38,700	13,000	23,800	21,300	25,600	5,000
30	13,700	26,500	13,700	9,000	.....	20,500	43,300	11,600	32,400	18,900	20,500	5,000
31	12,300	.....	14,400	9,000	.....	27,400	.....	11,600	.....	13,700	16,500	.....

NOTE.—These tables indicate the flow in the river only. Diversion by canal included in monthly tables. Stage-discharge relation affected by ice Jan. 12-23, 26-30, Feb. 12 to Mar. 15, Dec. 11-31, 1914; Jan. 1-6, Dec. 14-18, 1915; Jan. 17-22, Feb. 14-25, Dec. 18-31, 1916; Jan. 1-4, 13-15, Feb. 3-28, Dec. 11-20, 24-31, 1917; Jan. 1-11, 19-31, Feb. 1-12, 1918; Jan. 9-17, Dec. 7, 10-12, 15, 16, 19-31, 1919; Jan. 1 to Mar. 13, 1920; Jan. 15, 19-22, 27, Dec. 30, 31, 1921; Jan. 1 to Feb. 4, Feb. 13-15, 17-21, 1922; Jan. 16-21, Feb. 7-28, Mar. 1-3, 1923; Jan. 6, 8-11, 23-31, Feb. 1-3, 1924; Dec. 26-31, 1925; Jan. 3-12, 17, Feb. 1-3, 12, 15, 18-20, Dec. 6, 9, 25, 27, 28, 1926; Jan. 22, 27, 30, 1927; and Feb. 8-9, 1928. No gage height record Dec. 23-31, 1924; Jan. 1 to Feb. 9, Mar. 19, 23, 24, Apr. 21-24, 29, 30, May 1, 11-16, 25-29, June 29, 30, July 1, 2, 5-10, 23-26, 29, 30, Aug. 1, 4, 5, 10-15, 20-22, Sept. 6-9, 11, 12, 15, 1925; Jan. 1, 2, 13-16, 18, 28-31, Feb. 4-11, 13, 14, 16, 17, 21-27, Apr. 20, May 6, June 2, Sept. 30, Dec. 7, 8, 18-24, 26, 1926; Jan. 8-21, 28, 29, Dec. 28, 1927; Jan. 5-13, 22-25, 29-31, and Feb. 1-7, 1928. Discharge for these periods determined by graphic study of gage height record, weather records, and records of flow for other stations on the Delaware River.

Monthly discharge of Delaware River at Trenton, for the years ending September 30, 1913-1928.

[Drainage area, 6,800 square miles.]

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1913						
February 24-28	15,600	9,800	11,200	11,400	1.68	0.31
March	132,000	7,200	29,800	30,200	4.44	5.12
April	42,100	11,100	24,300	24,700	3.63	4.05
May	30,400	4,850	11,200	11,600	1.71	1.97
June	14,800	3,470	6,370	6,790	.999	1.11
July	3,470	2,080	2,510	2,940	.432	.50
August	5,600	2,080	2,680	3,100	.456	.53
September	2,840	1,900	2,160	2,590	.381	.43
1913-14						
October	6,400	2,080	3,430	3,860	0.568	0.65
November	24,700	4,140	11,100	11,600	1.71	1.91
December	14,800	6,400	9,790	10,200	1.50	1.73
January	18,000	.....	7,390	7,600	1.12	1.29
February	37,600	.....	12,200	12,500	1.84	1.92
March	136,000	.....	20,100	20,400	3.00	3.46
April	74,800	13,200	33,300	33,700	4.96	5.53
May	26,500	6,800	16,100	16,000	2.44	2.81
June	6,800	3,470	4,820	5,240	.771	.86
July	7,200	4,140	5,500	5,900	.868	1.00
August	5,600	2,840	4,050	4,470	.657	.76
September	4,140	1,720	2,780	3,200	.471	.53
The year	136,000	1,720	10,900	11,300	1.66	22.45
1914-15						
October	2,080	1,240	1,610	2,030	0.299	0.34
November	2,840	1,240	1,870	2,290	.337	.38
December	7,650	2,080	3,690	4,080	.600	.69
January	61,000	.....	23,200	23,400	3.44	3.97
February	45,700	11,100	23,100	23,300	3.43	3.57
March	29,400	5,220	10,900	11,300	1.66	1.91
April	35,400	5,220	11,900	12,300	1.81	2.02
May	14,800	6,400	8,550	8,980	1.32	1.52
June	7,200	3,150	4,590	5,010	.737	.82
July	24,700	2,840	8,130	8,550	1.26	1.45
August	34,400	5,220	11,900	12,300	1.81	2.09
September	11,100	4,140	6,560	6,980	1.03	1.15
The year	61,000	1,240	9,600	9,980	1.47	19.91
1915-16						
October	7,200	3,800	5,120	5,540	0.815	0.94
November	13,200	3,150	5,660	6,080	.894	1.00
December	24,700	.....	10,500	10,800	1.59	1.83
January	37,600	.....	15,300	15,600	2.29	2.64
February	29,400	.....	13,900	14,100	2.07	2.23
March	42,100	7,200	12,700	13,100	1.93	2.22
April	89,300	14,800	35,800	36,200	5.32	5.94
May	19,600	7,200	10,800	11,200	1.65	1.90
June	22,900	7,650	11,400	11,800	1.74	1.94
July	46,900	4,490	9,880	10,300	1.51	1.74
August	13,200	2,080	4,770	5,190	.763	.88
September	9,200	1,900	3,060	3,490	.513	.57
The year	89,300	1,900	11,600	11,900	1.75	23.83

Monthly discharge of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1916-17						
October	7,200	1,720	3,080	3,500	0.515	0.59
November	6,400	2,300	3,040	3,460	.509	.57
December	18,000	.....	7,980	8,390	1.23	1.42
January	23,800	.....	12,400	12,600	1.85	2.13
February	.....	.....	5,530	5,740	.844	.88
March	86,300	5,600	21,400	21,800	3.21	3.70
April	43,300	7,650	18,000	18,500	2.72	3.04
May	13,200	4,850	8,290	8,710	1.28	1.48
June	42,100	9,800	16,500	16,900	2.49	2.78
July	14,800	4,490	8,750	9,170	1.35	1.56
August	11,100	2,840	5,290	5,710	.840	.97
September	7,650	1,720	3,210	3,630	.534	.60
The year	86,300	1,720	9,480	9,870	1.45	19.72
1917-18						
October	27,400	1,720	4,600	5,020	0.738	0.85
November	76,200	4,140	10,900	11,300	1.66	1.85
December	5,600	.....	3,750	4,130	.607	.70
January	9,800	.....	4,410	4,620	.679	.78
February	53,200	.....	19,800	20,000	2.94	3.06
March	42,100	11,800	26,100	26,500	3.90	4.50
April	39,800	8,650	20,200	20,700	3.04	3.39
May	15,600	6,800	10,400	10,800	1.59	1.83
June	14,800	3,800	7,210	7,630	1.12	1.25
July	3,800	1,900	2,920	3,350	.493	.57
August	4,850	1,560	2,270	2,690	.396	.46
September	10,400	1,400	2,810	3,230	.475	.53
The year	76,200	1,400	9,520	9,900	1.46	19.77
1918-19						
October	6,000	3,150	3,980	4,400	.647	.75
November	6,800	3,470	4,690	5,120	.753	.84
December	27,400	3,150	8,320	8,700	1.28	1.48
January	27,400	7,650	12,700	13,000	1.91	2.20
February	14,000	4,140	7,590	7,800	1.15	1.20
March	44,500	9,800	22,500	22,900	3.37	3.88
April	25,600	9,800	19,000	19,400	2.85	3.18
May	25,600	9,260	17,000	17,400	2.56	2.95
June	10,400	3,470	5,700	6,120	.900	1.00
July	48,100	3,150	10,200	10,600	1.56	1.80
August	15,600	4,850	8,320	8,740	1.29	1.49
September	10,400	3,470	4,880	5,300	.779	.87
The year	48,100	3,150	10,400	10,800	1.59	21.64
1919-20						
October	8,650	3,150	5,100	5,520	.812	.94
November	39,800	6,800	17,600	18,000	2.65	2.96
December	27,400	.....	13,000	13,400	1.97	2.27
January	.....	.....	5,000	5,200	.765	.88
February	.....	.....	3,200	3,410	.501	.54
March	76,200	2,200	35,500	35,900	5.28	6.09
April	51,900	14,800	27,100	27,600	4.06	4.53
May	17,200	6,000	10,700	11,200	1.65	1.90
June	16,400	4,850	6,970	7,390	1.09	1.22
July	40,900	4,140	9,700	10,100	1.49	1.72
August	16,400	4,850	8,650	9,070	1.33	1.53
September	14,000	3,470	6,620	7,040	1.04	1.16
The year	76,200	.....	12,500	12,800	1.88	25.74

Monthly discharge of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1920-21						
October	43,300	3,800	10,300	10,700	1.57	1.81
November	39,800	6,000	13,000	13,400	1.97	2.20
December	54,500	10,400	23,300	23,600	3.47	4.00
January	21,200	.....	10,200	10,500	1.54	1.78
February	15,600	4,490	7,430	7,640	1.12	1.17
March	89,300	16,400	32,700	33,100	4.87	5.62
April	27,400	9,200	16,600	17,100	2.51	2.80
May	29,400	5,600	12,800	13,300	1.96	2.26
June	5,600	2,300	3,560	3,980	.585	.65
July	24,700	2,560	5,370	5,790	.851	.98
August	7,200	2,080	3,680	4,100	.603	.70
September	4,850	1,720	2,380	2,800	.412	.46
The year	89,300	1,720	11,800	12,200	1.79	24.43
1921-22						
October	5,220	1,900	2,900	3,330	0.940	0.56
November	96,800	2,300	9,630	10,100	1.49	1.66
December	57,100	.....	15,600	16,000	2.35	2.71
January	.....	.....	5,380	5,590	.822	.95
February	31,400	.....	11,300	11,500	1.69	1.76
March	98,400	10,400	27,700	28,100	4.13	4.76
April	36,500	9,200	23,800	24,200	3.56	3.97
May	22,900	7,200	1,600	12,000	1.76	2.03
June	46,900	6,000	15,900	16,300	2.40	2.68
July	27,400	3,470	9,060	9,480	1.39	1.60
August	6,000	2,300	3,750	4,180	.615	.71
September	6,800	2,080	3,770	4,190	.616	.69
The year	98,400	1,900	11,700	12,100	1.78	24.08
1922-23						
October	5,600	1,560	2,590	2,990	0.440	0.51
November	2,300	1,720	1,890	2,290	.337	.38
December	2,840	1,400	2,040	2,410	.354	.41
January	20,400	3,800	8,580	8,780	1.29	1.49
February	8,650	4,200	6,020	6,220	.915	.95
March	69,200	7,000	28,000	28,400	4.18	4.82
April	73,400	7,200	19,200	19,600	2.88	3.21
May	27,400	6,400	14,600	15,000	2.21	2.55
June	9,200	2,700	5,010	5,410	.796	.89
July	7,200	1,400	2,310	2,710	.399	.46
August	5,600	1,320	2,160	2,560	.376	.43
September	6,400	1,640	2,820	3,220	.474	.53
The year	73,400	1,320	7,960	8,290	1.22	16.63
1923-24						
October	13,200	1,560	3,590	4,010	0.590	0.68
November	6,000	3,000	4,720	4,700	.691	.77
December	33,400	7,200	15,500	15,900	2.34	2.70
January	58,400	9,800	20,300	20,500	3.01	3.47
February	18,800	4,490	7,660	7,870	1.16	1.25
March	30,400	4,490	11,200	11,600	1.71	1.97
April	121,000	14,000	32,200	32,600	4.79	5.34
May	45,700	11,800	20,900	21,300	3.13	3.61
June	11,800	4,490	6,930	7,360	1.08	1.20
July	10,400	2,560	4,860	5,280	.776	.89
August	4,140	1,810	2,430	2,850	.419	.48
September	5,220	1,720	2,430	2,850	.419	.47
The year	121,000	1,560	11,000	11,400	1.68	22.83

Monthly discharge of Delaware River at Trenton, for the years ending September 30, 1913-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1924-25						
October	108,000	2,560	15,500	15,900	2.34	2.70
November	14,400	1,720	3,650	4,050	.596	.66
December	11,000	3,860	6,250	6,470	.951	1.10
January	.....	.....	3,390	3,600	.529	.61
February	110,000	.....	27,400	27,600	4.06	4.23
March	24,700	12,300	17,300	17,500	2.57	2.96
April	18,900	.....	12,500	12,900	1.90	2.12
May	.....	7,100	10,000	10,400	1.53	1.76
June	8,600	2,710	4,670	5,070	.746	.83
July	.....	3,020	5,750	6,150	.904	1.04
August	.....	2,300	6,090	6,490	.954	1.10
September	17,300	1,990	5,580	5,980	.879	.98
The year	110,000	1,720	9,710	10,000	1.47	20.09
1925-26						
October	17,300	2,430	4,980	5,410	0.796	0.92
November	38,700	6,200	15,800	16,200	2.38	2.66
December	38,700	.....	13,900	14,300	2.10	2.42
January	23,800	.....	8,620	8,890	1.31	1.51
February	.....	.....	12,900	13,200	1.94	2.02
March	34,400	8,100	18,500	19,000	2.79	3.22
April	46,900	9,750	20,000	20,500	3.01	3.36
May	14,400	3,520	6,940	7,370	1.08	1.24
June	8,600	3,520	5,080	5,510	.810	.90
July	3,520	1,810	2,390	2,820	.415	.48
August	12,300	2,300	6,440	6,870	1.01	1.16
September	15,100	3,180	5,970	6,400	.941	1.05
The year	46,900	1,810	10,100	10,500	1.54	20.94
1926-27						
October	24,700	3,860	10,100	10,500	1.54	1.78
November	103,000	8,600	25,000	25,400	3.74	4.17
December	17,300	6,500	9,870	10,100	1.49	1.72
January	43,300	4,600	1,200	11,500	1.69	1.95
February	27,400	8,100	15,000	15,200	2.24	2.33
March	62,300	11,600	27,000	27,400	4.03	4.65
April	17,300	7,100	11,400	11,800	1.74	1.94
May	44,500	7,100	15,800	16,300	2.40	2.77
June	15,800	5,400	9,060	9,490	1.40	1.56
July	11,000	2,860	5,120	5,550	.816	.94
August	24,700	4,600	8,610	9,040	1.33	1.53
September	35,400	3,180	10,000	10,400	1.53	1.71
The year	103,000	2,860	13,200	13,500	1.99	27.05
1927-28						
October	106,000	3,020	24,200	24,600	3.62	4.17
November	74,800	10,400	27,300	27,700	4.07	4.54
December	76,200	11,000	28,700	29,100	4.28	4.93
January	21,300	7,000	12,400	12,600	1.85	2.13
February	32,400	9,000	17,700	18,000	2.65	2.86
March	27,400	7,100	13,500	13,900	2.04	2.35
April	44,500	14,400	24,700	25,100	3.69	4.12
May	45,700	9,750	19,400	19,800	2.91	3.36
June	40,900	8,600	19,800	20,200	2.97	3.31
July	59,700	11,000	23,500	23,900	3.51	4.05
August	35,400	5,800	13,400	13,800	2.03	2.34
September	22,100	5,000	9,780	10,200	1.50	1.67
The year	106,000	3,020	19,500	19,900	2.93	39.83

NOTE.—The diversions were: Pennsylvania Canal, 53 second-feet, Apr. 15 to Dec. 15, 1913; Mar. 23-28, Apr. 5 to Dec. 10, 1914; Mar. 8 to Dec. 12, 1915; Mar. 15 to Dec. 20, 1916; Mar. 17 to Dec. 9, 1917; Mar. 16 to Dec. 6, 1918; Mar. 17 to Dec. 5, 1919; Mar. 23 to Dec. 13, 1920; Mar. 2 to Dec. 9, 1921; Mar. 4 to Dec. 13, 1922; Feb. 27 to Dec. 8, 1923; Mar. 7 to Sept. 30, 1924; 50 second-feet, Oct. 1 to Dec. 5, 1924; Mar. 24 to Nov. 28, 1925; Mar. 11 to Nov. 27, 1926; Mar. 28 to Sept. 30, 1927; and 20 second-feet, Oct. 1 to Nov. 19, 1927; Mar. 26 to Sept. 30, 1928.

The Delaware and Raritan Canal feeder, 160 second-feet, from Mar. 1 to Dec. 31 of each year to Sept. 30, 1924; 140 second-feet, Oct. 1 to Nov. 30, 1924, Apr. 1 to Sept. 30, 1925; 130 second-feet, Oct. 1 to Dec. 31, 1925; 40 second-feet, Jan. 1-15, 1926; 130 second-feet, Mar. 1 to Nov. 30, 1926, Mar. 1 to Dec. 31, 1927, and Mar. 1 to Sept. 30, 1928.

Trenton Power Canal, 210 second-feet daily, Feb. 24, 1913, to Sept. 30, 1924; 250 second-feet, daily, Sept. 30, 1924, to Sept. 30, 1928.

Diversion figures are based on occasional discharge measurements.

Flat Brook Near Flatbrookville.

LOCATION.—1 mile above Flatbrookville, Sussex County, and 1½ miles above mouth of river.

DRAINAGE AREA.—65 square miles.

RECORDS AVAILABLE.—July 8, 1923, to September 30, 1928.

EQUIPMENT.—To January 6, 1926, an inclined staff gage on right bank; since then, a water-stage recorder at same site.

CHANNEL AND CONTROL.—Channel, fine to coarse gravel. Control is bar of heavy gravel about 50 feet below gage.

EXTREMES OF DISCHARGE.—1923-1928: Maximum stage, from high water mark, 7.1 feet on April 7, 1924, and February 11, 1925 (discharge, about 2,350 second feet); minimum stage recorded, 1.35 feet at 7:00 A. M. September 6 and 7, 1923 (discharge, 4 second-feet).

REGULATION.—Daily distribution of flow affected slightly by water power 3 miles above the gage.

Daily discharge, in second-feet, of Flat Brook near Flatbrookville, for the years ending September 30, 1923-1928.

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1923				1923				1923			
1	.....	35	5	11	18	16	16	21	19	11	15
2	.....	16	5	12	20	14	13	22	15	17	23
3	.....	18	7	13	17	12	12	23	13	18	22
4	.....	42	14	14	17	12	18	24	11	17	21
5	.....	31	11	15	21	12	26	25	18	8	13
6	.....	18	9	16	21	11	10	26	18	9	14
7	.....	16	5	17	21	12	7	27	12	9	19
8	21	15	11	18	21	11	8	28	16	13	10
9	19	13	70	19	20	10	9	29	30	21	12
10	19	13	34	20	15	9	12	30	23	9	11
								31	25	11	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	12	30	620	89	102	50	200	146	116	38	20	14
2	11	29	185	63	91	44	185	125	106	36	18	13
3	11	24	118	95	91	40	151	111	102	33	16	13
4	21	23	118	200	89	44	151	102	97	30	16	13
5	8	23	97	118	85	63	304	93	93	26	23	13
6	6	21	232	100	79	118	531	89	83	28	16	20
7	11	23	249	90	75	116	1,780	93	89	30	15	16
8	11	44	170	85	75	118	800	89	81	36	15	15
9	12	34	120	80	71	93	487	285	77	68	14	18
10	8	30	113	75	75	116	364	344	70	44	13	18
11	19	36	111	249	71	113	285	267	64	39	12	16
12	16	33	106	620	47	116	240	620	63	32	25	15
13	6	28	93	620	48	116	185	755	73	43	30	12
14	19	28	93	216	46	68	173	383	73	44	26	12
15	12	26	79	151	44	81	162	466	70	35	19	13
16	8	24	75	170	42	60	151	323	56	32	21	16
17	11	22	71	444	42	63	140	267	50	28	18	14
18	11	34	63	249	42	77	176	216	46	26	17	11
19	11	23	58	216	44	81	403	249	42	25	21	10
20	9	22	60	185	50	85	249	216	42	24	17	9
21	12	21	58	120	65	102	249	232	44	23	16	7
22	12	20	66	135	65	102	232	216	34	21	15	11
23	18	26	143	267	60	118	249	159	36	22	15	8
24	130	75	200	179	55	200	200	151	40	19	23	9
25	111	43	143	156	50	216	179	179	42	19	32	8
26	66	44	113	140	50	200	162	146	40	18	18	8
27	42	46	97	130	55	216	140	138	49	18	14	11
28	28	42	102	120	55	249	130	156	53	17	15	12
29	26	39	111	125	55	249	118	146	47	17	15	23
30	25	162	106	125	.....	249	125	151	44	18	14	43
31	31	.....	99	106	.....	249	.....	143	.....	17	13	.....

Daily discharge, in second-feet, of Flat Brook near Flatbrookville, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	980	29	36			267	179	125	85	34	111	19
2	466	30	50			364	170	108	95	31	75	14
3	162	29	39			185	151	93	77	31	53	18
4	120	28	32			170	135	85	70	26	44	16
5	104	28	47			143	130	81	64	36	42	16
				26	42							
6	93	32	85			143	118	73	58	50	43	15
7	75	34	99			170	106	75	50	31	47	19
8	75	36	111			156	102	66	43	25	36	31
9	70	35	168			143	95	64	47	81	36	26
10	68	26	116			151	95	64	50	44	102	31
11	58	26	93		1,620	140	106	75	39	34	66	18
12	50	25	81		1,080	185	89	156	39	32	50	18
13	47	24	77		444	162	83	106	35	34	52	28
14	46	30	75		304	143	77	87	32	27	63	42
15	50	44	60		285	135	125	118	35	26	47	43
				24								
16	49	44	60		364	118	130	108	60	23	39	36
17	47	32	63		285	135	104	104	36	38	31	34
18	50	31	73		216	216	95	97	39	39	31	28
19	64	22	73		179	267	85	85	31	30	31	22
20	55	21	68		162	285	118	75	31	26	25	23
21	56	21	44		162	216	104	68	30	30	28	22
22	46	34			185	179	85	66	28	75	30	19
23	36	116			216	162	85	58	26	185	25	16
24	35	81			232	143	81	106	30	89	23	28
25	39	47			200	135	75	285	35	58	21	25
				34								
26	36	40	50		216	130	102	200	53	63	19	14
27	31	35			185	118	95	151	53	68	19	16
28	32	32			156	323	81	120	29	53	18	18
29	30	30			.....	285	75	111	32	43	18	15
30	30	31			.....	232	77	120	34	38	17	13
31	30	.....			.....	216	.....	102	.....	60	16	.....
1925-26												
1	15	56	75	50	95	216	153	85	61	31	15	25
2	16	30	85	50	73	249	140	85	321	30	16	40
3	24	42	143	50	66	232	125	79	200	26	18	58
4	17	36	285	53		179	148	75	138	26	17	38
5	21	39	304	60		143	135	70	106	26	16	40
6	19	47	444	60		140	123	68	95	26	15	128
7	21	53	304	58		191	116	63	87	26	12	113
8	23	47	249	47		364	155	60	99	25	14	79
9	19	89	200		50	232	285	55	83	24	18	63
10	28	70	185	48		182	216	56	70	22	14	58
11	42	58	135			156	176	50	58	22	12	49
12	27	53	118	50		138	153	50	52	22	15	43
13	18	216	125			120	138	46	63	18	28	39
14	22	200	111	50		106	123	50	58	21	75	34
15	25	140	95			106	111	46	66	20	50	32
16	26	364	89	49		95	106	46	64	20	76	31
17	28	285	89	39		91	104	47	50	21	181	29
18	26	185	77	66		91	95	42	47	24	85	28
19	25	162	75	323	100	91	87	40	42	31	73	28
20	23	128	75	185		140	83	91	36	26	50	27
21	26	118	89	140		216	81	70	36	23	36	26
22	26	91	102	159		216	75	55	34	19	34	24
23	26	93	85	135		249	75	50	35	22	39	23
24	34	83	75	159		249	71	50	47	24	39	26
25	95	75		120	199	232	116	44	81	22	60	22
26	140	71		87	487	216	118	40	63	19	66	21
27	93	79	55	77	323	200	95	40	55	16	53	33
28	75	130			232	170	83	36	43	15	44	30
29	66	89		65	.....	143	95	36	35	15	36	36
30	49	70			.....	133	89	34	34	16	31	34
31	43	.....		66	.....	135	.....	38	.....	17	27	.....

Daily discharge, in second-feet, of Flat Brook near Flatbrookville, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	30	99	157	65	115	200	135	127	110	34	92	286
2	22	90	130	65	113	175	127	115	100	33	181	665
3	23	80	85	62	122	154	127	105	95	32	105	466
4	22	77	70	64	154	140	127	99	90	30	68	286
5	21	71	60	70	127	140	130	101	150	26	54	216
6	69	68	70	65	113	140	127	95	110	24	45	200
7	78	61	80	44	103	149	120	86	80	28	41	180
8	45	59	85	32	95	270	108	82	68	34	40	150
9	34	146	90	30	99	363	99	88	61	30	51	120
10	30	444	90	30	103	324	95	146	54	26	42	110
11	31	250	85	34	108	324	90	178	58	24	34	92
12	30	184	84	38	90	344	86	149	54	24	30	84
13	26	151	80	42	80	424	82	117	48	22	28	77
14	27	143	92	48	80	531	77	103	48	20	65	73
15	27	135	85	55	86	509	75	130	61	21	320	68
16	23	299	79	44	86	363	73	149	50	30	130	64
17	23	654	65	48	201	286	73	127	42	45	84	59
18	27	363	60	55	286	250	73	113	38	32	78	59
19	31	324	60	66	250	216	68	110	55	25	92	78
20	42	268	65	77	150	268	66	110	149	23	71	78
21	101	216	68	132	110	324	64	92	84	22	61	66
22	73	184	71	200	130	363	161	84	59	27	54	56
23	61	166	65	250	163	268	178	86	56	106	50	53
24	56	143	60	180	200	216	127	216	48	115	48	48
25	248	132	60	140	233	200	105	305	42	62	44	45
26	233	127	60	95	383	178	103	344	61	41	65	45
27	154	200	65	70	286	175	132	250	61	34	220	42
28	120	157	70	85	216	169	286	184	45	59	360	37
29	99	135	80	100	.....	151	181	157	40	45	650	36
30	88	146	80	122	.....	140	140	135	35	45	480	34
31	86	.....	70	132	.....	146	.....	122	.....	58	324	.....
1927-28												
1	34	99	184	250	100	166	286	383	90	509	91	158
2	34	97	200	138	100	143	233	305	80	344	91	140
3	40	383	383	100	95	132	200	250	75	250	83	204
4	130	1,060	286	95	97	113	184	216	80	200	76	235
5	69	588	233	90	132	113	169	200	322	403	102	151
6	53	403	233	92	120	95	160	200	487	1,380	123	135
7	40	305	224	99	113	90	154	178	383	643	107	140
8	40	250	1,160	110	169	92	184	154	250	383	93	128
9	44	216	832	120	216	90	172	143	151	286	81	111
10	42	200	466	117	178	88	148	138	487	251	76	100
11	40	200	383	103	140	84	135	127	305	235	235	91
12	37	184	363	101	120	95	184	120	216	204	145	85
13	247	166	344	97	99	146	233	110	180	235	100	80
14	181	154	444	103	129	200	216	103	180	900	81	78
15	99	143	363	99	532	169	305	99	180	931	74	74
16	75	140	324	86	286	127	233	90	160	487	67	74
17	72	360	383	84	240	117	200	90	140	344	172	70
18	364	700	286	86	200	120	169	117	140	268	534	68
19	891	440	233	86	170	115	157	120	240	219	251	70
20	801	324	216	175	150	103	140	140	360	204	167	87
21	477	268	200	108	140	105	130	150	300	181	125	83
22	323	233	184	120	127	113	233	170	268	175	169	68
23	250	240	175	88	378	127	444	172	216	183	235	62
24	204	240	154	95	575	160	424	146	286	153	161	56
25	178	260	132	387	344	233	286	120	268	133	145	52
26	150	250	138	250	233	216	233	110	344	121	330	52
27	140	200	117	200	216	216	200	122	363	123	688	56
28	130	233	115	172	184	172	363	113	268	204	424	56
29	120	216	132	146	172	149	387	99	444	135	320	53
30	115	200	146	122	.....	317	466	100	938	121	260	55
31	105	.....	154	110	.....	444	.....	100	.....	107	220	.....

NOTE.—Stage-discharge relation affected by ice Jan. 6-9, 26-28, Feb. 13 to Mar. 2, Dec. 14, 15, 22-31, 1924; Jan. 1, to Feb. 10, Dec. 25-31, 1925; Jan. 1, 9-11, 13-15, 28-30, Feb. 4-24, Dec. 3-11, 15-20, 23-31, 1926; Jan. 1, 2, 5, 6, 12-18, 24-29, Feb. 12-14, 20-22, 1927; Jan. 3-5, 31, and Feb. 1-3, 1928. No gage height record Jan. 7-11, June 1-7, July 6-12, Aug. 10-16, 24-30, Sept. 7-10, 29, and 30, Oct. 1-4, 7, 8, 26-29, Nov. 16-19, 23-25, 1927; Feb. 17-20, May 19-22, 30, 31, June 1, 2, 13-21, and Aug. 29-31, 1928. Discharge for these periods determined from graphic study of gage height records, weather records, and records of flow of nearby stations.

Monthly discharge of Flat Brook near Flatbrookville, for the years ending September 30, 1923-1928.

[Drainage area, 65 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923					
July 8-31	30	11	18.8	0.289	0.26
August	42	8	15.5	.238	.27
September	70	5	15.4	.237	.26
1923-24					
October	130	6	23.7	0.365	0.42
November	162	20	35.8	.551	.61
December	620	58	131	2.02	2.33
January	620	63	184	2.83	3.26
February	102	42	62.7	.965	1.04
March	249	40	123	1.89	2.18
April	1,780	118	297	4.57	5.10
May	755	89	228	3.51	4.05
June	116	34	64.1	.986	1.10
July	68	17	29.2	.449	.52
August	32	12	18.1	.278	.32
September	43	7	14.0	.215	.24
The year	1,780	6	101	1.55	21.17
1924-25					
October	980	30	101	1.55	1.79
November	116	21	35.8	.551	.61
December	168	.....	66.1	1.02	1.18
January	.....	.....	28.2	.434	.50
February	1,620	.....	247	3.80	3.96
March	364	118	188	2.89	3.33
April	179	75	105	1.62	1.81
May	285	58	104	1.60	1.84
June	95	26	45.5	.700	.78
July	185	23	47.1	.725	.84
August	111	16	40.6	.625	.72
September	43	13	22.8	.351	.39
The year	1,620	13	85.0	1.31	17.75
1925-26					
October	140	15	36.7	.565	.65
November	364	30	107	1.65	1.84
December	444	.....	129	1.98	2.28
January	324	.....	83.0	1.28	1.48
February	487	.....	108	1.66	1.73
March	364	91	175	2.69	3.10
April	285	71	122	1.88	2.10
May	91	34	54.7	.842	.97
June	321	34	75.3	1.16	1.29
July	31	15	22.4	.345	.40
August	181	12	40.8	.628	.72
September	128	21	41.9	.645	.72
The year	487	12	82.7	1.27	17.28
1926-27					
October	248	21	63.9	.983	1.13
November	654	59	186	2.86	3.19
December	157	60	78.0	1.20	1.38
January	250	30	81.9	1.26	1.45
February	383	80	153	2.35	2.45
March	531	140	255	3.92	4.52
April	286	64	114	1.75	1.95
May	344	82	139	2.14	2.47
June	150	35	68.4	1.05	1.17
July	115	20	38.0	.585	.67
August	650	28	129	1.98	2.28
September	665	34	129	1.98	2.21
The year	665	20	119	1.83	24.87

Monthly discharge of Flat Brook near Flatbrookville, for the years ending September 30, 1923-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1927-28					
October	891	34	178	2.74	3.16
November	1,060	97	292	4.49	5.01
December	1,160	115	296	4.55	5.25
January	387	84	130	2.00	2.31
February	575	95	198	3.05	3.29
March	444	84	150	2.31	2.66
April	487	130	238	3.66	4.08
May	383	90	151	2.32	2.68
June	938	75	273	4.20	4.69
July	1,380	107	333	5.12	5.90
August	688	67	188	2.89	3.33
September	235	52	95.7	1.47	1.64
The year	1,380	34	210	3.23	44.00

Paulins Kill at Blairstown.

LOCATION.—At highway bridge in Blairstown, Warren County, 200 feet above mouth of Blairs Creek and 9 miles above mouth of Paulins Kill.

DRAINAGE AREA.—128 square miles.

RECORDS AVAILABLE.—October 20, 1921, to September 30, 1928.

EQUIPMENT.—Water-stage recorder on right bank just above highway bridge.

CHANNEL AND CONTROL.—Channel, sand and gravel; control, riffle of small boulders at downstream side of bridge.

EXTREMES OF DISCHARGE.—1921-1928: Maximum stage from water-stage recorder, 7.05 feet at 10:30 A. M. February 12, 1925 (discharge, about 1,800 second-feet); minimum stage from water-stage recorder, 1.34 feet at 3:00 P. M. November 1, 1922 (discharge, about 2.8 second-feet).

REGULATION.—Distribution of flow affected by storage in Swartswood Lake and by water power above the station.

Daily discharge, in second-feet, of Paulins Kill at Blairstown, for the years ending September 30, 1922-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	.....	.....	62	457	90	60	172	830	126	75	154	56	79
2	.....	.....	50	436	80	330	182	620	124	86	398	62	149
3	.....	.....	47	532	90	620	172	560	109	203	393	72	102
4	.....	.....	44	384	95	399	182	480	147	460	336	79	217
5	.....	.....	56	354	100	268	224	457	480	338	292	96	263
6	.....	.....	50	291	160	202	328	415	399	372	236	80	208
7	.....	.....	40	291	154	202	590	384	304	302	184	73	211
8	.....	.....	45	246	103	192	1,500	368	235	221	157	68	190
9	.....	.....	50	213	111	182	990	341	182	183	323	63	170
10	.....	.....	25	192	98	172	620	316	182	158	273	57	147
11	.....	.....	24	192	75	141	620	280	162	153	201	57	131
12	.....	.....	33	192	43	135	590	328	139	177	158	41	126
13	.....	.....	20	172	114	132	590	291	128	138	134	49	128
14	.....	.....	20	162	96	132	532	268	128	113	119	54	106
15	.....	.....	33	122	126	118	505	505	128	102	107	44	102
16	.....	.....	21	96	100	116	415	457	126	94	102	48	95
17	.....	.....	33	113	36	114	368	399	130	92	90	55	85
18	.....	.....	69	172	34	113	316	457	162	152	85	73	80
19	.....	.....	67	202	34	109	280	384	280	199	142	58	70
20	.....	93	64	152	86	246	532	316	316	146	139	62	65
21	.....	96	78	154	88	415	685	268	213	137	103	68	57
22	.....	75	70	102	118	415	505	268	172	134	90	50	62
23	.....	49	70	128	180	415	415	246	151	116	79	40	57
24	.....	75	70	122	160	532	384	213	138	97	80	57	69
25	.....	69	57	95	90	384	341	202	123	90	84	58	71
26	.....	70	58	100	44	291	304	182	137	85	78	63	59
27	.....	56	29	120	22	246	291	172	123	78	70	80	69
28	.....	45	143	114	26	224	341	162	107	100	78	85	59
29	.....	20	505	111	57	.....	384	149	96	95	82	87	78
30	.....	44	505	110	47	.....	341	141	93	83	61	70	51
31	.....	44	.....	100	57	.....	399	.....	84	.....	64	108	.....
1922-23												
1	.....	56	36	33	291	144	102	227	188	78	53	39	30
2	.....	56	43	32	550	141	118	225	152	77	47	31	25
3	.....	61	43	39	415	153	162	217	132	75	47	45	25
4	.....	50	47	36	259	156	445	239	116	84	42	31	25
5	.....	61	60	39	190	130	755	335	106	86	44	44	41
6	.....	55	55	28	164	110	614	544	104	83	35	41	34
7	.....	57	51	24	114	120	458	436	95	96	45	31	32
8	.....	63	55	24	101	130	424	342	92	177	35	26	37
9	.....	82	48	36	147	133	374	292	169	154	32	35	60
10	.....	82	53	43	146	122	318	258	186	104	38	23	64
11	.....	94	47	44	141	116	284	231	145	92	38	31	41
12	.....	102	51	46	119	100	395	210		77	35	24	40
13	.....	95	28		120	113	555	196		72	33	35	48
14	.....	78	59		90	127	613	184		67	40	25	50
15	.....	69	54	38	122		571	169		69	34	27	41
16	.....	56	47		129		888	165		78	34	24	30
17	.....	62	37		144		1,600	155	150	66	36	27	34
18	.....	57	44	44	125		1,400	147		65	32	23	28
19	.....	62	43	39	119		1,210	142		65	33	22	29
20	.....	51	45	33	110	90	784	139		55	30	32	40
21	.....	43	52	33	116		686	129		45	31	33	50
22	.....	43	45	36	291		635	122		34	30	33	60
23	.....	51	33	36	295		662	117	205	62	25	38	63
24	.....	45	36	29	255		740	104	166	50	29	37	69
25	.....	48	41	33	254		583	102	140	50	40	35	52
26	.....	51	34	49	219	93	473	93	123	56	45	35	52
27	.....	49	39	29	216	98	406	92	113	52	48	35	47
28	.....	43	35	36	168	106	362	96	103	53	42	27	45
29	.....	36	26	71	161	.....	281	295	83	53	32	35	43
30	.....	32	20	102	154	.....	291	267	88	57	45	28	40
31	.....	39	.....	72	120	.....	272	.....	85	.....	34	32	.....

Daily discharge, in second-feet, of Paulins Kill at Blairstown, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	43	89	499	228	206	87	250	229	184	69	39	33
2	39	73	321	217	184	83	195	219	159	68	40	32
3	38	64	234	286	174	87	228	189	156	68	31	30
4	40	59	192	410	174	88	286	171	159	61	35	30
5	32	62	190	359	239	158	436	153	149	63	40	33
6	30	59	315	217	384	420	1190	142	144	55	33	33
7	29	55	327	228	250	580	1,570	133	136	57	38	32
8	31	99	256	195	206	410	1,280	137	128	61	40	34
9	31	96	226	184	151	361	935	282	135	188	40	36
10	32	78	204	184	153	436	676	384	118	175	38	41
11	32	72	203	384	151	360	550	334	105	112	37	38
12	31	62	189	676	164	392	436	698	105	78	59	37
13	32	57	174	436	141	359	384	935	111	79	91	40
14	31	56	181	228	140		346	676	110	97	73	31
15	37	62	166	220	160		298	676	109	79	51	34
16	30	57		220	140		274	550	108	64	50	33
17	30	48		643	120		250	436	92	63	39	42
18	31	55		520	109		302	384	77	59	43	41
19	34	50	140	436	72		550	410	83	54	43	43
20	43	55		372	58	220	436	359	81	50	50	46
21	41	55		274	70		410	346	78	45	45	43
22	46	46	141	228	116		372	334	73	49	44	47
23	55	49	273	250	109		384	286	69	47	42	52
24	120	92	343	239	95		310	262	72	46	41	51
25	195	120	260	262	90		274	322	76	49	42	47
26	126	89	220	346	88		239	274	77	47	41	50
27	91	82	200	286	89	228	228	239	74	45	38	42
28	80	81	228	228	95	250	206	250	75	42	25	37
29	57	81	251	195	84	250	178	239	75	43	37	43
30	60	176	220	206	.....	322	194	274	80	40	38	283
31	72	.....	217	228	.....	310	.....	228	.....	45	29	.....
1924-25												
1	580	69	45			384	286	136	96	98	304	52
2	322	63	41			580	286	128	140	77	269	50
3	228	65	48			384	262	109	113	71	201	53
4	153	62	48			334	239	101	97	62	155	54
5	140	59	54	50	85	286	217	97	85	62	137	51
6	120	58	95			298	195	93	78	72	143	49
7	110	61	153			384	184	85	70	68	145	83
8	130	59	139			359	174	83	67	59	125	98
9	110	53	174			334	174	82	62	107	146	86
10	100	56	147			310	153	77	71	95	410	70
11	95	60	112		647	298	170	112	65	84	359	66
12	91	47	104		1,520	372	174	200	59	70	257	61
13	68	45	95		1,060	346	153	152	55	63	200	63
14	75	47	95		745	310	143	121	51	47	211	114
15	73	51	81	55	643	298		138	64	48	199	128
16	75	50	91		745	250		132	114	58	159	179
17	70	47	72		710	262		123	130	86	133	187
18	73	47	85		550	359	170	118	94	87	122	147
19	63	40	92		463	498		99	72	73	109	119
20	70	26	92		436	580		88	69	56	100	96
21	70	31	70		463	436		84	63	57	96	89
22	70	50	59		550	359	135	75	53	87	101	76
23	70	123	57		643	310	126	73	48	182	93	70
24	71	109	63		643	286	121	101	52	141	82	67
25	70	73	70	65	580	262	120	251	62	114	75	65
26	65	63	70		611	250	126	212	92	139	71	62
27	69	55	64		550	250	124	153	86	210	67	51
28	66	53	50		410	436	110	121	64	153	63	51
29	63	52	51		.....	436	101	109	77	124	59	47
30	67	42	45		.....	372	109	122	103	103	48	49
31	64	.....	47		.....	334	.....	110	.....	119	56	.....

Daily discharge, in second-feet, of Paulins Kill at Blairstown, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	43	127	174	90	172	492	250	128	70	45	36	36
2	40	124	201	90	142	550	228	120	274	35	35	87
3	58	124	311	90	129	580	206	116	204	48	34	145
4	59	113	550	93	85	410	239	131	143	41	34	124
5	74	104	535	101	110	295	217	120	115	42	22	128
6	75	112	694	114	110	301	206	107	100	50	24	286
7	68	120	580	109	100	469	195	100	96	56	20	274
8	60	128	463	88	100	1,020	263	93	104	32	22	206
9	58	176	408	80	100	500	491	87	93	51	22	153
10	62	155	344	75	100	380	384	82	83	39	20	133
11	58	136	293	70	100	300	310	83	72	35	15	110
12	61	135	276	70	100	260	262	77	71	40	21	94
13	58	284	267	65	106	240	239	76	73	33	30	84
14	55	344	241	65	118	220	217	73	75	28	61	78
15	73	270	213	60	204	200	206	74	83	28	93	72
16	88	396	199	60	269	190	184	74	88	26	107	68
17	84	410	188	70	232	180	174	75	75	25	149	66
18	79	339	172	212	197	170	153	69	68	30	125	62
19	73	285	159	605	433	184	149	63	62	46	109	62
20	64	256	159	377	520	288	139	120	58	27	78	58
21	62	234	168	264	411	384	129	95	53	32	63	53
22	59	214	209	386	313	346	125	81	51	34	62	50
23	68	200	192	296	254	346	122	74	54	35	52	49
24	69	182	164	334	222	346	120	62	59	34	61	52
25	184	165	140	250	413	334	153	62	79	33	68	53
26	340	159	130	200	1,030	310	158	59	85	48	84	66
27	244	203	110	153	861	286	132	54	80	34	72	68
28	187	266	100	140	548	262	126	56	68	33	58	65
29	152	213	100	130	.....	228	140	52	68	19	47	70
30	135	177	95	120	.....	217	127	57	58	38	36	68
31	130	.....	90	120	.....	217	.....	51	.....	41	37	.....
1926-27												
1	64	197	293	133	256	460	186	165	164	64	77	471
2	58	175	244	110	256	402	197	143	146	61	101	606
3	56	154	175	120	319	316	208	133	131	54	98	524
4	49	133	150	118	431	280	197	131	124	52	97	432
5	49	122	80	133	346	268	175	140	145	52	91	336
6	76	114	130	131	280	306	186	13	133	45	79	278
7	98	109	150	110	232	319	186	119	114	46	78	252
8	74	106	150	90	220	503	154	107	105	51	81	231
9	61	169	150	80	232	650	144	108	99	48	145	208
10	54	460	154	80	256	660	133	133	89	49	103	185
11	58	346	154	80	280	500	122	219	88	45	106	175
12	53	268	154	80	232	480	104	199	85	45	82	159
13	56	220	154	80	232	460	106	149	78	39	51	144
14	57	208	164	81	208	500	95	131	82	44	94	141
15	59	186	175	80	208	524	102	158	90	53	378	120
16	59	347	140	80	244	460	94	163	83	67	258	121
17	56	790	120	80	287	402	94	137	74	65	171	113
18	55	644	110	100	482	360	97	123	67	70	167	110
19	62	593	110	114	524	319	89	127	78	65	180	144
20	77	503	120	133	260	360	70	131	146	66	151	142
21	150	402	118	298	300	431	87	116	118	65	128	123
22	137	346	114	402	346	482	175	99	91	46	116	111
23	104	293	110	460	332	402	244	102	88	138	109	98
24	89	268	110	374	374	332	186	268	88	182	111	96
25	350	256	106	319	482	293	144	407	76	134	100	87
26	374	244	122	220	593	268	133	469	102	111	91	86
27	280	346	120	150	593	268	164	375	104	61	328	83
28	208	293	120	130	503	268	306	285	81	56	508	79
29	175	244	164	150	.....	244	244	228	68	74	796	77
30	164	268	164	197	.....	220	186	195	64	122	700	75
31	164	.....	144	256	.....	220	.....	178	.....	85	536	.....

Daily discharge, in second-feet, of Paulins Kill at Blairstown, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	76	208	319	260	157	268	569	546	100	448	240	460
2	74	186	348	200	139	256	482	460	95	338	242	376
3	68	452	524	180	136	232	402	402	76	271	216	375
4	143	1,180	460	160	130	208	360	319	85	234	226	431
5	143	1,000	402	150	199	197	332	293	269	232	227	341
6	114	760	374	148	192	175	306	280	485	509	363	290
7	96	593	374	152	162	164	280	256	421	431	324	286
8	86	503	974	162	328	154	268	220	271	312	270	269
9	80	460	968	186	490	154	256	208	241	238	231	246
10	84	402	671	190	362	154	232	197	420	222	212	223
11	82	374	569	174	250	154	220	186	286	284	301	206
12	80	360	569	168	206	154	220	175	214	243	251	189
13	315	319	569	169	182	244	280	154	187	435	223	188
14	306	293	700	176	192	319	268	144	175	987	185	188
15	232	268	618	168	442	319	319	133	217	1,410	160	155
16	164	256	569	160	524	268	293	133	176	925	153	150
17	144	333	593	149	374	232	244	114	143	644	254	146
18	506	906	503	148	319	220	220	133	126	495	855	148
19	1,240	760	402	157	256	220	197	154	188	435	593	150
20	1,310	618	374	266	244	208	186	175	315	367	431	176
21	1,000	503	332	179	208	208	164	175	260	310	331	186
22	760	460	332	174	197	232	220	154	314	294	380	162
23	593	402	306	150	374	244	374	154	331	397	524	141
24	482	402	280	135	792	268	460	144	417	374	467	119
25	402	431	232	354	592	280	431	114	380	282	436	122
26	346	374	244	287	406	293	346	114	354	226	546	120
27	319	374	220	213	320	280	306	114	329	251	790	105
28	293	374	208	185	300	256	431	114	273	600	790	96
29	268	346	220	157	280	232	644	114	349	524	671	103
30	244	332	256	184	.....	335	644	114	582	405	618	103
31	220	.....	293	180	.....	700	.....	114	.....	283	524	.....

NOTE.—Stage-discharge relation was affected by ice Dec. 30, 31, 1921; Jan. 1-6, 11, 23, 24, 26-28, Feb. 2, 1922; Jan. 13, 14, 31, Feb. 5-8, 12, 15-25, 1923; Jan. 15-16, Feb. 14-17, 24, 25, Dec. 25, 26, 1924; Jan. 1 to Feb. 10, Dec. 25-31, 1925; Jan. 9-17, 28-30, Feb. 5-12, Dec. 4-9, 16-20, 23, 24, 27, 28, 1926; Jan. 2, 3, 7-13, 15-18, 26-29, Feb. 20-21, 1927; and Jan. 1-5, 1928. No gage height record Sept. 16-29, Dec. 13-17, 1922; Feb. 15-25, May 12-22, Dec. 16-21, 25-27, 30, 1923; Mar. 14-26, Oct. 5-11, 20,23, 1924; Apr. 15-21, 1925; Mar. 9-18, 1926; Mar. 9-14, 1927; and Feb. 27-29, 1928. Stage-discharge relation affected by stones placed on control July 9, to Oct. 12, 1926. Discharge for these periods determined by graphic study of gage height record, discharge measurements, weather records, and records of nearby streams.

Monthly discharge of Paulins Kill at Blairstown, for the years ending September 30 1922-1928.

[Drainage area, 128 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1921-22					
October 20-31	96	20	61.3	0.749	0.21
November	505	20	81.3	.635	.71
December	532	95	201	1.57	1.81
January	180	22	87.5	.684	.79
February	620	60	247	1.93	2.01
March	1,500	172	455	3.55	4.09
April	830	141	349	2.73	3.05
May	480	84	175	1.37	1.58
June	460	75	159	1.24	1.38
July	398	61	158	1.23	1.42
August	108	40	64.9	.507	.58
September	263	51	112	.875	.98
The period	1,500	20	185	1.44	18.61

Monthly discharge of Paulins Kill at Blairstown, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922-23					
October	102	32	59.0	0.461	0.53
November	60	20	43.6	.341	.38
December	102	24	40.5	.316	.36
January	550	90	189	1.48	1.71
February	156	.....	110	.859	.89
March	1,600	102	563	4.40	5.07
April	544	92	209	1.63	1.82
May	.....	83	137	1.07	1.23
June	177	34	74.4	.581	.65
July	53	25	37.5	.293	.34
August	45	22	31.7	.248	.29
September	69	25	42.5	.332	.37
The year	1,600	20	129	1.01	13.64
1923-24					
October	195	29	52.2	0.408	0.47
November	176	46	72.6	.567	.63
December	499	.....	222	1.73	1.99
January	676	184	303	2.37	2.73
February	384	58	145	1.13	1.22
March	580	83	259	2.02	2.33
April	1,570	178	456	3.56	3.97
May	935	133	340	2.66	3.07
June	184	69	107	.836	.93
July	188	40	67.7	.529	.61
August	91	25	42.8	.334	.39
September	283	30	47.1	.368	.41
The year	1,570	25	176	1.38	18.75
1924-25					
October	580	63	113	0.883	1.02
November	123	26	57.2	.447	.50
December	174	41	80.9	.632	.73
January	.....	.....	56.9	.445	.51
February	1,520	.....	458	3.58	3.72
March	580	250	353	2.76	3.18
April	286	101	169	1.32	1.47
May	251	73	119	.930	1.07
June	140	48	78.4	.613	.68
July	210	47	92.6	.723	.83
August	410	48	151	1.18	1.36
September	187	47	81.1	.634	.71
The year	1,520	26	149	1.16	15.78
1925-26					
October	340	40	94.2	0.736	0.85
November	410	104	205	1.60	1.79
December	694	90	256	2.00	2.31
January	605	60	161	1.26	1.45
February	1,030	85	267	2.09	2.18
March	1,020	170	339	2.65	3.06
April	491	120	201	1.57	1.75
May	131	51	82.9	.648	.75
June	274	51	88.7	.693	.77
July	56	19	36.7	.287	.33
August	149	15	54.7	.427	.49
September	286	36	97.3	.760	.85
The year	1,030	15	156	1.22	16.58

Monthly discharge of Paulins Kill at Blairstown, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926-27					
October	374	49	111	0.867	1.00
November	790	106	293	2.29	2.56
December	293	80	144	1.12	1.29
January	460	80	160	1.25	1.44
February	593	208	332	2.59	2.70
March	650	220	384	3.00	3.46
April	306	70	154	1.20	1.34
May	469	99	180	1.41	1.63
June	164	64	100	.781	.87
July	182	39	69.5	.543	.63
August	796	51	197	1.54	1.78
September	606	75	194	1.52	1.70
The year	796	39	192	1.50	20.40
1927-28					
October	1,310	68	331	2.58	2.97
November	1,180	186	474	3.70	4.13
December	974	208	445	3.48	4.01
January	354	135	185	1.45	1.67
February	792	130	302	2.36	2.54
March	700	154	246	1.92	2.21
April	644	164	332	2.59	2.89
May	546	114	197	1.54	1.78
June	582	76	269	2.10	2.34
July	1,410	222	432	3.38	3.90
August	855	153	388	3.03	3.49
September	460	96	208	1.62	1.81
The year	1,410	68	318	2.48	33.74

Pequest River at Pequest

LOCATION.—At Pequest Station, Warren County, on Lehigh and Hudson River Railroad, 100 feet above railroad bridge, 300 feet below mouth of Furnace Brook, and 6¾ miles above mouth of Pequest River.

DRAINAGE AREA.—108 square miles.

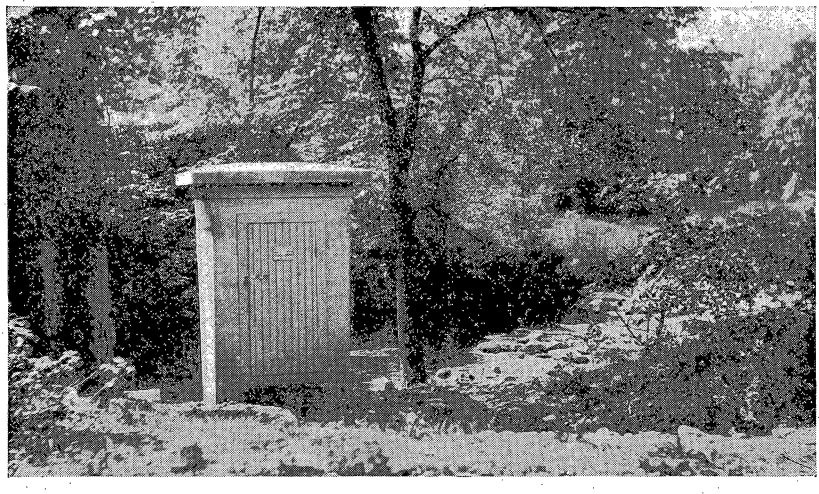
RECORDS AVAILABLE.—November 7, 1921, to September 30, 1928.

EQUIPMENT.—To June 22, 1926, vertical staff gage attached to face of former bridge abutment on right bank 100 feet above railroad bridge; since then, water-stage recorder 10 feet downstream from staff gage.

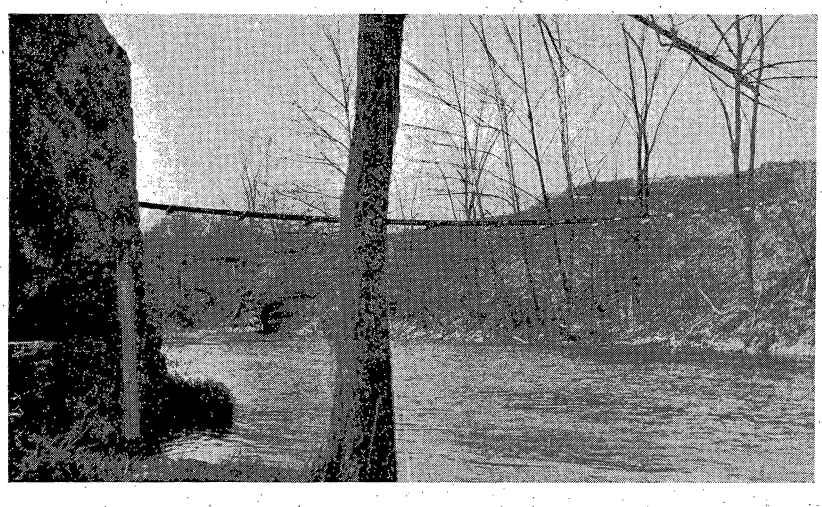
CHANNEL AND CONTROL.—Channel, fine gravel; control, riffle of large stones probably remains of old diversion dam 50 feet below gage.

EXTREMES OF DISCHARGE.—1921-1928: Maximum stage from water-stage recorder, 3.04 feet at 10:00 A. M. August 27, 1928 (discharge, 753 second-feet); minimum stage recorded, 0.31 foot on September 20 and 21, 1924 and August 7, 1926 (discharge, 16 second-feet).

REGULATION.—Daily distribution of flow slightly affected by water power.



(a) *Shelter for automatic water-stage recorder.*



(b) *Gaging bridge.*

Gaging station on Pequest River at Pequest.

Daily discharge, in second-feet, of Pequest River at Pequest, for the years ending September 30, 1922-1928.

Day	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22											
1	.....	262	85	57	206	414	134	78	180	70	234
2	.....	193	60	277	193	414	134	82	378	80	234
3	.....	293	55	293	168	378	134	134	324	83	168
4	.....	248	68	248	168	378	168	193	340	114	451
5	.....	220	105	293	234	343	309	168	308	105	451
6	.....	193	124	277	326	343	293	168	234	86	378
7	30	168	114	248	326	309	220	156	180	77	378
8	32	145	75	180	489	309	180	105	168	70	343
9	36	134	85	145	451	277	168	114	193	69	293
10	40	124	78	134	451	248	145	105	168	63	234
11	35	124	69	134	489	234	134	114	168	62	193
12	42	124	46	156	527	262	134	114	134	56	180
13	35	124	66	134	489	234	124	105	114	56	180
14	35	114	69	124	451	220	124	88	114	53	145
15	38	105	66	105	414	343	124	80	105	56	134
16	49	74	69	105	378	343	124	75	96	52	124
17	45	206	64	66	309	326	105	69	96	50	114
18	52	145	62	105	248	326	124	96	96	56	105
19	40	168	69	105	220	293	234	105	96	56	105
20	69	134	105	220	378	262	220	96	96	57	96
21	82	124	105	326	378	234	168	96	88	51	105
22	83	70	105	343	378	220	134	96	83	52	88
23	62	88	66	343	378	206	124	88	88	45	88
24	55	86	88	378	309	193	114	77	88	42	88
25	47	124	72	326	292	180	105	74	114	50	85
26	53	85	60	262	248	180	105	69	96	85	85
27	50	105	57	248	234	168	105	75	83	96	78
28	124	75	55	220	248	156	96	82	82	85	80
29	326	88	45	.....	234	156	88	78	124	77	75
30	308	52	38	.....	220	145	85	78	114	64	75
31	.....	83	55	.....	248	.....	80	.....	77	75	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	72	49	44	277	134	105	206	193	77	45	36	24
2	70	51	45	343	145	134	193	156	75	34	33	23
3	64	60	45	343	145	180	193	134	77	42	30	23
4	66	66	43	293	156	414	206	124	88	66	30	24
5	66	66	57	206	105	414	293	114	88	62	28	22
6	66	62	60	180	86	378	378	114	78	52	30	21
7	63	72	40	134	96	248	378	114	105	44	29	21
8	78	66	49	88	114	220	326	105	124	41	30	24
9	88	56	52	134	114	248	277	156	124	41	24	25
10	105	55	57	145	114	234	234	193	96	37	25	27
11	124	51	49	96	96	220	206	145	82	36	24	26
12	124	55	62	124	88	326	193	134	74	34	32	24
13	105	57	45	105	114	451	193	206	68	34	34	24
14	86	52	36	62	124	414	180	168	66	33	30	25
15	80	49	50	83	74	414	168	134	69	32	28	25
16	77	51	44	124	65	489	168	134	63	55	27	27
17	75	60	56	88	65	565	156	156	57	40	25	24
18	78	55	52	88	70	605	145	134	57	34	24	23
19	72	52	47	105	88	690	145	114	52	34	24	28
20	70	47	50	82	72	605	134	114	63	30	24	25
21	75	55	43	145	80	645	134	206	52	29	22	38
22	63	52	50	293	85	605	124	206	53	30	25	36
23	68	50	42	248	72	527	124	156	63	31	28	38
24	69	50	39	180	72	527	124	134	62	34	28	37
25	75	49	43	193	75	489	114	114	50	60	26	37
26	63	42	47	180	78	451	114	105	46	41	25	31
27	60	44	52	180	88	414	105	96	42	34	23	30
28	56	42	105	156	105	414	105	96	47	34	22	31
29	52	46	96	134	.....	293	277	96	45	37	30	30
30	51	42	83	134	.....	293	262	82	45	35	27	24
31	50	.....	82	96	.....	234	.....	80	.....	34	25	.....

Daily discharge, in second-feet, of Pequest River at Pequest, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	24	66	220	134	145	83	156	193	156	72	33	25
2	22	50	145	105	145	88	124	180	145	63	34	25
3	24	41	105	220	134	86	168	168	134	66	33	25
4	23	41	96	248	134	114	220	156	134	62	33	28
5	21	38	96	180	168	234	293	134	124	60	32	26
6	21	38	180	86	326	343	378	134	124	62	31	26
7	22	53	168	114	220	360	565	124	124	52	34	25
8	26	58	124	105	168	309	565	134	114	58	34	24
9	21	50	105	124	124	234	527	248	124	78	30	28
10	21	44	96	114	145	220	565	262	114	105	31	27
11	24	41	96	180	124	220	565	234	105	78	29	28
12	23	39	105	248	124	277	389	360	105	66	47	22
13	23	38	88	220	88	277	451	396	114	105	64	28
14	20	38	96	180	86	220	396	396	114	72	53	21
15	25	34	96	156	124	180	309	396	105	63	43	28
16	22	34	86	134	83	156	248	378	105	57	42	24
17	23	36	85	360	75	145	220	326	86	49	36	28
18	23	34	82	326	105	145	262	277	83	46	37	26
19	28	34	75	309	78	156	378	277	88	56	28	24
20	26	32	69	277	75	156	343	248	77	44	32	22
21	27	34	77	206	105	145	309	248	80	40	33	21
22	26	31	88	85	96	145	277	248	78	43	40	28
23	25	34	206	134	88	145	277	220	66	49	33	33
24	105	53	220	156	78	145	248	206	66	41	31	26
25	124	63	156	248	75	145	206	248	75	41	33	27
26	88	45	124	220	85	145	193	220	85	36	28	22
27	57	51	114	145	78	168	168	193	75	38	30	22
28	45	49	124	145	85	180	168	206	69	35	30	20
29	40	45	145	156	78	168	168	193	72	36	31	30
30	43	88	124	145	.....	206	168	193	70	35	30	145
31	63	.....	124	156	.....	193	.....	168	.....	33	26	.....
1924-25												
1	277	36	42	44	44	414	221	109	100	64	262	39
2	221	36	38	28	46	414	208	109	119	58	196	40
3	150	34	46	29	47	414	196	100	129	48	129	36
4	109	34	44	36	47	360	196	100	100	46	100	44
5	86	33	42	46	47	343	172	91	86	54	91	36
6	77	34	119	46	50	309	172	100	71	55	89	38
7	65	36	129	44	53	343	150	87	72	46	91	56
8	62	32	109	44	45	326	150	87	62	46	87	55
9	65	34	140	45	62	309	140	80	66	65	86	50
10	58	32	109	42	119	293	140	80	72	76	119	47
11	59	31	91	44	326	277	150	109	68	62	109	41
12	53	32	84	40	605	309	150	172	65	55	91	42
13	54	34	80	41	378	262	140	119	55	50	89	42
14	50	34	86	43	414	248	129	109	55	48	109	60
15	46	36	42	38	565	234	161	119	53	50	100	79
16	45	32	69	40	645	208	184	109	87	44	74	129
17	50	31	68	44	690	208	161	119	77	53	66	184
18	44	27	77	52	645	262	150	100	68	47	56	119
19	44	31	80	49	605	326	140	89	60	48	56	100
20	42	31	71	48	565	309	140	87	55	53	54	79
21	38	31	36	40	565	277	129	82	55	48	59	68
22	40	62	53	44	565	248	119	77	48	62	60	60
23	40	100	46	46	565	221	119	84	49	59	55	54
24	39	84	55	42	527	208	109	129	47	55	53	53
25	41	65	62	42	508	208	109	277	55	52	50	50
26	42	54	52	44	527	196	109	221	58	62	47	42
27	38	56	48	48	451	184	100	150	53	172	40	45
28	32	53	46	48	432	277	109	129	48	109	47	54
29	36	52	40	42	.....	277	100	119	55	109	42	44
30	37	46	38	44	.....	262	109	119	89	79	42	44
31	33	.....	44	42	.....	234	.....	109	.....	100	43	.....

Daily discharge, in second-feet, of Pequest River at Pequest, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	42	109	161	86	129	605	184	100	62	29	26	38
2	41	109	172	84	119	565	161	100	60	33	27	56
3	49	109	248	109	100	470	150	91	71	28	30	129
4	50	100	360	100	53	414	184	100	62	24	25	109
5	65	91	360	109	74	360	161	91	54	29	22	91
6	68	109	360	119	91	262	150	82	53	40	24	172
7	60	109	343	109	100	378	150	82	54	34	22	184
8	55	119	326	87	100	470	196	79	62	33	20	150
9	50	150	277	84	100	396	262	77	53	33	23	119
10	56	129	248	91	100	396	208	77	53	30	21	91
11	58	109	196	89	91	378	184	77	52	30	21	84
12	55	100	221	91	91	293	172	62	49	32	26	74
13	48	277	208	72	91	221	161	68	48	28	41	61
14	40	277	196	82	91	184	150	71	50	28	48	59
15	69	234	172	79	150	196	140	66	65	27	65	58
16	80	293	172	77	184	172	140	71	56	29	79	62
17	77	293	161	71	161	161	129	68	55	27	140	54
18	79	262	150	150	150	150	129	62	44	32	109	53
19	71	221	140	343	414	161	109	59	44	63	78	48
20	65	196	140	277	326	172	119	68	37	53	64	50
21	62	184	150	196	309	196	109	62	33	39	54	47
22	55	172	172	293	293	208	100	56	36	33	48	44
23	60	161	161	221	234	208	100	61	37	31	49	45
24	65	150	129	161	184	221	100	60	40	33	52	45
25	172	140	140	140	326	208	129	50	40	34	55	46
26	248	140	119	140	565	208	119	52	39	33	58	59
27	196	161	62	129	508	208	109	55	43	33	48	56
28	150	208	119	109	527	184	109	52	35	26	46	54
29	129	184	109	66	.....	172	109	53	36	26	39	68
30	119	150	91	109	.....	161	100	46	33	27	41	72
31	109	.....	91	109	.....	161	.....	56	.....	25	34	.....
1926-27												
1	62	161	221	129	221	396	161	129	129	64	129	326
2	56	161	196	100	208	343	172	119	129	62	208	326
3	54	140	161	116	248	235	172	109	119	60	150	309
4	51	119	161	116	309	208	161	109	109	56	109	293
5	50	109	91	134	248	208	150	119	129	53	91	234
6	60	109	87	126	208	208	161	119	129	50	76	196
7	66	100	129	76	184	234	150	109	119	50	68	184
8	62	100	130	53	172	293	140	100	109	52	68	172
9	51	131	130	98	172	326	129	100	100	48	91	150
10	48	234	140	85	184	309	119	109	91	48	80	140
11	56	208	140	74	184	277	109	150	109	48	68	140
12	58	172	129	70	160	262	109	140	100	47	56	129
13	52	150	140	70	150	262	100	119	86	49	56	149
14	53	140	150	97	150	293	100	109	91	42	69	119
15	53	129	150	110	150	326	100	119	119	49	129	109
16	47	246	118	130	180	309	91	119	100	65	140	100
17	47	360	100	100	240	277	100	100	86	90	119	100
18	55	360	100	90	343	248	100	91	77	109	109	100
19	65	360	100	85	316	234	91	119	86	74	140	109
20	83	360	110	130	172	248	91	140	129	62	129	119
21	156	360	120	200	172	293	91	109	109	58	100	119
22	140	326	110	326	208	309	185	91	91	53	87	109
23	100	293	100	326	248	262	196	91	87	122	109	100
24	89	234	90	277	293	221	161	177	100	161	119	89
25	231	208	100	221	343	208	140	296	87	129	100	86
26	262	196	119	184	451	196	119	309	87	91	89	82
27	221	234	100	112	432	196	148	262	91	74	265	79
28	184	221	119	140	396	196	208	196	82	68	326	77
29	150	184	172	184	.....	184	172	172	71	62	343	74
30	140	196	150	208	.....	172	150	150	65	58	360	71
31	140	.....	140	234	.....	172	.....	140	.....	80	343	.....

Daily discharge, in second-feet, of Pequest River at Pequest, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	68	221	248	196	140	277	354	378	109	196	309	527
2	70	208	298	172	129	248	293	360	100	172	277	508
3	70	260	378	208	119	234	277	309	100	150	248	508
4	90	440	360	196	129	208	248	262	91	140	248	451
5	129	550	309	184	196	196	221	234	181	240	277	396
6	110	550	309	172	196	172	208	221	343	414	442	378
7	100	550	312	172	172	161	196	208	277	396	432	360
8	90	550	532	170	405	161	196	196	234	343	396	309
9	85	565	508	184	432	150	184	184	196	262	326	277
10	85	527	463	184	396	150	172	172	248	208	309	248
11	85	489	440	172	314	150	161	172	221	196	262	234
12	85	451	420	172	248	184	184	161	184	208	234	208
13	90	414	440	172	208	248	184	150	161	208	208	221
14	220	360	480	172	236	262	196	140	150	467	196	234
15	180	309	527	161	489	262	208	140	150	527	172	221
16	161	262	527	161	432	221	184	129	120	489	161	196
17	150	288	489	161	432	208	172	129	119	470	293	184
18	200	513	470	161	414	221	161	140	109	451	565	172
19	700	470	400	161	328	221	150	161	119	414	470	172
20	650	451	378	221	277	208	140	184	150	343	414	184
21	650	451	360	140	208	208	140	196	150	277	360	184
22	650	451	309	119	196	208	196	221	172	259	491	172
23	645	451	309	150	436	221	262	172	184	432	565	150
24	600	432	293	140	527	208	326	150	262	432	508	140
25	550	414	260	217	484	196	309	129	221	396	565	129
26	500	378	240	221	451	196	248	129	196	343	645	129
27	460	360	234	172	414	196	221	129	172	309	735	129
28	414	326	221	161	378	184	372	140	161	378	690	129
29	378	309	277	109	312	172	414	129	184	378	645	119
30	309	277	277	129	.....	290	396	109	234	360	645	119
31	262	.....	293	150	.....	360	.....	119	.....	343	605	.....

NOTE.—Discharge Feb. 16-18, 1923, when stage-discharge relation was affected by ice, and Dec. 8, 9, 19-24, 1926; Jan. 15-21, Feb. 12-17, July 16, 17, Oct. 2-4, 6-15, 17-22, 24-27, Nov.. 3-8, Dec. 11-14, 25-26, 1927; and Jan. 8, 1929, when gage height record is missing, determined by graphic study of gage heights, weather records, and records of nearby streams.

Monthly discharge of Pequest River at Pequest, for the years ending September 30, 1922-1928.

[Drainage area, 108 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1921-22					
November 7-30	326	30	73.6	0.681	0.61
December	293	52	138	1.28	1.48
January	124	38	73.5	.681	.79
February	378	57	209	1.94	2.02
March	527	168	325	3.01	3.47
April	414	145	270	2.50	2.79
May	309	80	146	1.35	1.56
June	193	69	102	.944	1.05
July	378	77	149	1.38	1.59
August	114	42	67.5	.625	.72
September	451	75	180	1.67	1.86
The period	527	30	159	1.47	17.94

Monthly discharge of Pequest River at Pequest, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922-23					
October	124	50	74.5	0.690	0.80
November	72	42	53.5	.495	.55
December	105	36	53.7	.497	.57
January	343	62	163	1.51	1.74
February	156	65	97.1	.899	.94
March	690	105	395	3.66	4.22
April	378	105	195	1.81	2.02
May	206	80	136	1.26	1.45
June	124	42	69.6	.644	.72
July	66	29	39.5	.366	.42
August	36	22	27.4	.254	.29
September	38	21	27.2	.252	.28
The year	690	21	111	1.03	14.00
1923-24					
October	124	20	35.6	0.330	0.38
November	88	31	44.4	.411	.46
December	220	69	120	1.11	1.28
January	360	85	181	1.68	1.94
February	326	75	119	1.10	1.19
March	360	83	187	1.73	1.99
April	565	124	313	2.90	3.24
May	396	124	238	2.20	2.54
June	156	66	100	.926	1.03
July	105	33	56.2	.520	.60
August	64	26	34.9	.323	.37
September	145	20	29.5	.273	.30
The year	565	20	122	1.13	15.32
1924-25					
October	277	32	66.9	0.619	0.71
November	100	27	42.1	.390	.44
December	140	36	67.3	.623	.72
January	52	28	42.7	.395	.46
February	690	44	362	3.35	3.49
March	414	184	283	2.62	3.02
April	221	100	145	1.34	1.50
May	277	77	115	1.06	1.22
June	129	47	69.2	.641	.72
July	172	44	63.7	.590	.68
August	262	40	83.6	.774	.89
September	184	36	61.0	.565	.63
The year	690	27	115	1.06	14.48
1925-26					
October	248	40	82.0	0.759	0.88
November	293	91	168	1.56	1.74
December	360	62	192	1.78	2.05
January	343	66	128	1.19	1.37
February	565	53	202	1.87	1.95
March	605	150	275	2.55	2.94
April	262	100	144	1.33	1.48
May	100	46	69.5	.644	.74
June	71	33	48.5	.449	.50
July	63	24	32.3	.299	.34
August	140	20	46.3	.429	.49
September	184	38	75.9	.703	.78
The year	605	20	122	1.13	15.26

Monthly discharge of Pequest River at Pequest, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926-27					
October	262	47	94.9	0.879	1.01
November	360	100	210	1.94	2.16
December	221	87	129	1.19	1.37
January	326	53	142	1.31	1.51
February	451	150	241	2.23	2.32
March	396	172	255	2.36	2.72
April	208	91	136	1.26	1.41
May	309	91	139	1.29	1.49
June	129	65	101	.935	1.04
July	161	42	68.8	.637	.73
August	360	56	140	1.30	1.50
September	326	71	145	1.34	1.50
The year	451	42	149	1.38	18.76
1927-28					
October	700	68	285	2.64	3.04
November	565	208	409	3.79	4.23
December	532	221	366	3.39	3.91
January	221	119	170	1.57	1.81
February	527	119	314	2.91	3.14
March	360	150	212	1.96	2.26
April	414	140	232	2.15	2.40
May	378	109	182	1.69	1.95
June	343	91	177	1.64	1.83
July	527	140	329	3.05	3.52
August	735	161	409	3.79	4.37
September	527	119	246	2.28	2.54
The year	735	68	278	2.57	35.00

Beaver Brook Near Belvidere.

LOCATION.—500 feet upstream from mouth of brook in Pequest River and 2 miles east of Belvidere, Warren County.

DRAINAGE AREA.—36 square miles.

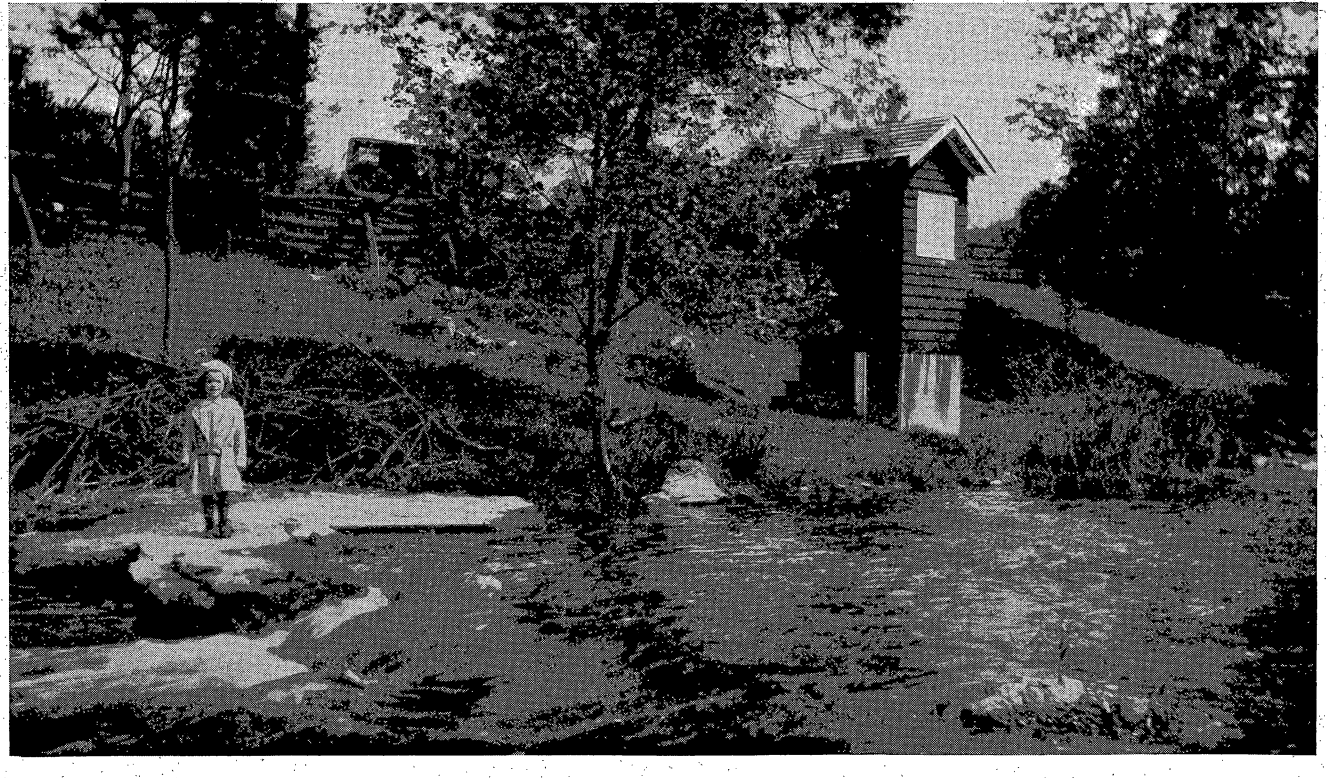
RECORDS AVAILABLE.—May 24, 1922, to September 30, 1928.

EQUIPMENT.—Water-stage recorder on right bank 500 feet above mouth of brook.

CHANNEL AND CONTROL.—Channel, gravel and ledge rock. Control is solid rock outcrop 25 feet downstream from gage, improved by having rough cavities filled with concrete.

EXTREMES OF DISCHARGE.—1922-1928: Maximum stage from water-stage recorder, 3.92 feet at 6:00 A. M. July 15, 1928 (discharge, about 826 second-feet); minimum stage recorded, 1.21 feet September 4, 5, and October 18, 1923 (discharge, 3.1 second-feet).

REGULATION.—Daily distribution of flow often irregular because of operation of small grist mills some distance upstream.



Gaging station on Beaver Brook near Belvidere, shelter for automatic water-stage recorder, natural control shown in foreground.

Daily discharge, in second-feet, of Beaver Brook near Belvidere, for the years ending September 30, 1922-1928.

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1922						1922					
1	.....	17	57	14	40	16	.....	14	23	8.4	29
2	.....	19	100	14	33	17	.....	13	22	7.4	29
3	.....	21	81	14	26	18	.....	17	22	7.2	30
4	.....	53	93	16	60	19	.....	19	25	7.2	28
5	.....	37	82	15	123	20	.....	16	22	8.7	22
6	.....	33	69	13	134	21	.....	19	19	7.2	20
7	.....	28	56	12	88	22	.....	17	17	8.0	19
8	.....	23	48	12	68	23	.....	15	17	6.4	13
9	.....	21	45	11	56	24	.....	29	14	18	6.2	11
10	.....	18	41	10	50	25	.....	26	13	20	8.4	11
11	.....	20	36	9.7	44	26	.....	27	13	18	25	11
12	.....	21	43	8.7	46	27	.....	24	14	15	27	12
13	.....	17	29	9.4	46	28	.....	22	15	15	20	11
14	.....	15	28	8.4	38	29	.....	20	14	23	17	11
15	.....	15	25	8.7	33	30	.....	21	13	19	15	10
						31	.....	20	.....	15	14	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	.....	9.5	7.9	5.5	64	40	31	65	52	24	12	6.2	3.8
2	.....	10	9.2	7.5	132	55	42	115	44	23	8.2	6.2	3.6
3	.....	9.5	9.2	6.7	81	70	80	64	39	20	9.4	5.2	3.3
4	.....	9.5	11	5.2	60	65	150	72	37	23	12	5.6	3.1
5	.....	9.5	10	7.8	52	55	123	108	33	20	11	5.7	3.5
6	.....	10	10	9.7	47	55	78	132	34	20	9.4	5.2	3.2
7	.....	9.2	11	7.8	56	55	82	104	33	27	8.2	5.1	4.4
8	.....	16	11	8.6	102	50	89	95	31	54	7.0	4.5	5.5
9	.....	22	9.5	10	104	30	76	88	34	39	7.0	4.5	5.8
10	.....	21	8.5	14	49	28	95	78	59	31	6.7	4.8	6.0
11	.....	26	8.5	9	38	22	95	72	44	25	6.0	3.8	6.0
12	.....	17	9.2	15	28	16	134	66	39	22	6.0	4.8	4.5
13	.....	14	8.8	13	20	24	189	62	50	20	5.8	5.6	5.5
14	.....	14	9.2	8	60	34	207	59	55	18	5.6	4.9	6.2
15	.....	12	8.8	10	74	24	201	55	44	19	5.4	4.1	4.7
16	.....	12	8.5	12	46	18	250	57	41	18	17	3.9	4.7
17	.....	11	9.2	20	31	18	636	48	47	16	8.2	4.5	4.0
18	.....	10	7.9	18	28	18	452	47	46	14	6.4	4.1	3.7
19	.....	10	8.5	16	24	14	368	45	39	13	6.0	3.8	4.6
20	.....	10	8.8	14	19	14	250	43	36	12	5.6	3.5	3.8
21	.....	9.8	8.8	14	16	14	221	41	56	10	5.8	3.9	7.4
22	.....	8.5	7.9	11	34	16	189	38	59	10	4.6	5.7	9.1
23	.....	9.8	8.2	8.6	50	15	177	37	46	14	5.6	5.5	9.4
24	.....	8.5	7.3	8	50	20	180	35	41	30	6.7	4.8	9.6
25	.....	8.5	7.6	11	70	18	154	33	38	32	10	4.4	7.8
26	.....	9.5	7.8	13	65	16	134	30	35	18	7.0	4.0	6.0
27	.....	9.8	5.5	18	60	18	117	29	34	15	5.8	3.7	6.3
28	.....	8.8	6.7	30	50	20	102	30	33	13	6.4	4.2	5.3
29	.....	8.8	6.6	24	40	.....	84	88	30	12	6.7	4.4	5.0
30	.....	7.9	6.3	17	30	.....	84	65	29	11	7.0	4.4	5.0
31	.....	8.5	.....	12	22	.....	76	.....	25	.....	5.8	4.1	.....

Daily discharge, in second-feet, of Beaver Brook near Belvidere, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	4.1	24	85	69	61	27	62	68	52	18	5.3	3.5
2	4.4	18	102	60	57	27	62	59	48	16	5.3	3.9
3	4.1	15	59	101	55	30	70	54	46	16	5.1	3.9
4	4.1	13	60	115	55	41	89	49	48	14	4.8	3.8
5	5.3	13	55	85	93	79	112	45	44	14	4.8	3.8
6	4.3	12	75	75	177	152	280	42	42	13	6.1	4.1
7	4.0	14	108	70	102	168	381	41	42	12	6.0	3.9
8	3.5	16	64	65	75	130	344	43	39	18	5.4	3.6
9	4.6	13	68	61	60	112	261	80	41	21	4.7	3.8
10	3.9	11	64	59	56	132	211	100	37	17	4.2	5.4
11	3.8	10	61	106	54	119	166	82	31	13	4.1	5.6
12	3.8	9.0	57	137	53	134	137	170	35	12	15	4.1
13	3.6	9.0	52	100	50	123	119	180	37	20	16	4.2
14	3.8	8.0	52	82	59	104	100	180	37	19	12	3.8
15	3.5	8.0	49	69	43	91	89	180	33	15	8.9	3.5
16	3.8	8.0	44	95	41	64	80	160	29	12	7.0	3.6
17	3.6	7.0	42	171	43	65	80	120	27	9.7	6.4	3.5
18	3.4	7.0	39	144	38	62	134	110	24	8.6	6.4	3.9
19	3.6	7.5	36	125	33	56	137	95	24	7.8	6.0	3.4
20	3.9	8.9	35	110	29	56	117	90	22	7.5	6.0	3.6
21	5.1	7.0	35	95	42	53	106	85	22	7.2	5.7	4.2
22	4.1	8.6	44	75	40	53	106	80	20	7.5	5.8	5.0
23	7.2	7.2	83	70	34	53	91	75	19	9.7	6.4	5.0
24	43	15	93	60	32	53	81	70	18	8.2	4.4	5.0
25	47	23	76	111	30	50	74	90	18	7.2	4.9	4.6
26	26	16	72	90	28	56	68	72	26	7.0	4.8	4.2
27	16	15	66	65	27	60	62	66	22	7.5	4.4	4.8
28	12	17	72	55	26	59	59	68	22	6.0	5.5	4.1
29	12	14	82	55	26	56	61	65	24	5.7	5.6	9.1
30	14	17	70	59	.....	82	62	65	22	6.0	4.6	130
31	28	.....	68	62	.....	74	.....	57	.....	5.5	4.1	.....
1924-25												
1	134	9.7		15			69	36	27	12	100	11
2	80	8.9	10	12		130	69	32	24	11	88	11
3	59	8.9		9			64	29	25	10	70	10
4	49	9.3					59	29	21	9.5	57	10
5	43	8.2	11		17	110		27	19	12	55	9.2
6	35	8.2	42			110		27	17	11	53	10
7	33	9.8	39			119		24	15	10	47	15
8	32	7.5	45			110		23	14	12	42	22
9	29	7.2	60			104		22	16	16	45	17
10	26	8.2	47			97		21	19	13	61	14
11	23	7.8	32	18		95		29	14	12	52	12
12	20	8.2	30			104		59	13	10	43	12
13	19	7.8	32			93	50	42	12	9.8	44	
14	18	7.5	33			89		33	11	8.2	56	
15	17	8.2	29		250			33	14	7.4	45	
16	14	7.5	28					31	20	11	37	
17	15		28			100		30	14	12	32	26
18	14	7	33					29	13	10	28	
19	12		31					24	11	8.5	26	
20	13		27					22	11	8.2	23	
21	12	7.0	24			119		21	11	11	25	
22	11	21	26			110		19	11	13	27	
23	11	48	30			110	37	18	9.5	16	23	18
24	11	32	39			91	35	26	8.5	12	21	13
25	11	22	22	17	190	84	34	78	12	10	18	12
26	11	18	19			78	34	56	15	14	16	12
27	9.7	14	15			74	30	43	11	74	15	13
28	10	14	14			100	29	36	10	86	13	14
29	10	13	13		.....	82	30	33	18	64	13	14
30	9.7	12	13		.....	81	30	34	18	49	12	12
31	9.3	.....	14		.....	74	.....	29	.....	64	12	.....

Daily discharge, in second-feet, of Beaver Brook near Belvidere, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	24	38	52	28	45	100	52	29	15	7.2	4.6	5.6
2	14	36	57	26	41	132	48	28	19	7.1	4.3	19
3	16	36	88	32	40	106	46	29	19	5.6	4.6	39
4	14	34	117	30	19	59	50	33	16	5.4	5.3	24
5	23	32	141	34	42	56	47	27	14	4.8	4.6	25
6	20	30	195	39	40	54	44	25	13	8.4	3.9	61
7	25	30	174	34	36	127	44	25	13	9.4	3.8	60
8	15	48	141	34	38	207	59	22	15	6.9	3.9	42
9	15	44	119	27	38	102	86	20	14	5.6	3.6	36
10	18	38	97	28	38	89	72	20	10	5.9	4.0	32
11	15	34	84	26	36	76	65	19	9.1	6.2	4.0	25
12	15	50	78	24	36	66	61	19	10	5.4	4.4	23
13	15	89	69	22	34	60	56	18	10	5.2	6.8	21
14	14	89	62	22	32	54	54	17	10	6.2	9.2	18
15	29	76	53	22	54	52	52	19	15	5.6	14	15
16	28	100	42	22	62	49	47	16	13	6.1	27	15
17	30	100	41	20	61	44	46	17	12	6.6	34	14
18	26	86	37	36	54	44	44	17	9.5	7.2	20	13
19		78	36	146	137	45	42	14	8.9	9.5	16	12
20		74	36	114	104	50	39	18	7.7	8.4	12	12
21		66	44	74	56	55	36	15	7.3	8.7	10	11
22		61	50	100	35	54	34	15	9.2	6.1	8.7	9.5
23		56	48	75	31	55	35	13	7.6	5.0	9.1	11
24		49	42	60	31	60	33	13	9.1	6.8	9.5	11
25	42	47	36	55	189	56	41	13	10	7.0	13	13
26		47	34	50	540	56	38	12	8.6	5.3	11	19
27		64	24	44	246	59	31	11	9.1	5.1	9.5	14
28		65	30	38	134	52	33	11	8.4	4.5	7.6	12
29		53	30	26	.....	47	37	11	7.0	4.8	6.8	23
30		46	28	40	.....	44	31	10	6.7	5.2	6.2	19
31		.....	28	38	.....	47	.....	13	.....	5.4	6.2	.....
1926-27												
1	18	78	72	41	93	123	55	47	64	21	44	100
2	13	68	76	36	95	110	59	44	56	19	57	108
3	13	61	69	38	104	72	60	42	50	18	47	98
4	12	55	60	39	115	61	54	41	48	17	28	81
5	11	53	50	45	89	72	50	44	59	16	28	70
6	16	50	44	44	75	68	53	42	54	14	26	62
7	26	49	40	40	68	66	49	37	46	16	24	56
8	18	50	38	33	65	106	44	34	42	14	25	53
9	14	74	48	30	65	115	42	35	38	14	39	48
10	12	119	50	28	66	102	40	37	36	13	31	45
11	17	110	52	27	65	89	38	53	52	14	25	42
12	15	98	49	26	59	80	36	44	41	13	20	40
13	14	88	49	26	56	84	33	38	34	12	20	37
14	14	84	53	27	54	108	33	36	42	11	36	36
15	13	88	54	33	57	119	30	42	50	15	93	33
16	13	125	49	61	65	91	30	39	38	20	91	30
17	11	269	46	54	81	84	31	34	32	34	66	29
18	14	238	42	45	125	81	32	32	28	27	76	26
19	18	207	38	52	109	78	27	41	34	20	81	39
20	22	168	36	70	66	89	27	53	62	18	59	38
21	49	121	35	125	80	104	26	40	45	15	55	32
22	39	95	35	144	76	108	65	34	36	14	49	28
23	32	82	35	130	75	89	61	35	38	63	47	26
24	32	74	35	115	88	82	48	83	42	70	47	23
25	115	65	33	104	122	78	43	119	33	45	39	22
26	121	64	45	82	198	74	40	128	37	33	36	22
27	95	69	40	50	183	74	48	110	33	27	90	20
28	78	57	46	46	141	72	72	89	26	27	115	18
29	74	54	54	50	.....	65	55	78	24	22	119	19
30	70	59	50	75	.....	61	50	70	23	18	121	19
31	74	.....	56	93	.....	60	.....	66	.....	29	106	.....

Daily discharge, in second-feet, of Beaver Brook near Belvidere, for the years ending September 30, 1922-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	18	65	65	98	48	97	112	134	33	65	134	204
2	15	60	64	70	46	86	102	115	31	59	130	174
3	17	128	128	80	44	76	98	100	27	55	110	160
4	43	298	112	55	42	66	89	89	28	49	93	132
5	36	298	106	46	55	64	82	81	66	89	112	121
6	26	250	112	45	57	57	75	80	108	130	169	110
7	23	214	106	46	47	54	72	74	95	132	177	108
8	21	174	201	50	93	53	75	68	74	102	141	95
9	22	149	344	57	119	52	68	62	70	84	121	82
10	23	130	254	56	100	48	62	59	106	81	102	75
11	20	115	195	53	82	49	60	56	82	86	89	68
12	18	102	201	53	72	60	68	54	72	89	82	62
13	78	86	218	52	62	78	68	49	66	108	74	60
14	74	75	269	50	82	76	65	46	64	367	65	61
15	49	69	221	48	183	72	74	43	69	740	54	57
16	41	69	198	46	149	65	62	42	55	512	49	54
17	39	102	201	43	108	60	57	93	48	319	115	50
18	104	214	171	44	97	64	55	50	45	235	304	48
19	284	228	137	47	72	64	52	60	54	177	277	47
20	481	183	123	80	72	61	48	60	68	141	198	53
21	368	146	115	60	59	62	46	55	55	115	149	50
22	273	125	110	50	60	62	68	54	65	125	190	46
23	211	115	100	44	152	62	88	49	65	451	269	42
24	171	110	89	44	298	60	102	45	84	395	246	39
25	141	121	75	98	198	60	93	40	84	258	214	36
26	121	100	69	60	144	62	84	37	78	192	319	36
27	102	95	64	50	123	61	80	39	70	163	512	34
28	89	89	61	44	106	57	137	41	60	224	604	33
29	82	84	74	40	98	57	160	37	72	242	452	31
30	75	78	89	44	.....	97	146	34	88	192	344	32
31	69	.....	88	55	.....	132	.....	39	.....	154	258	.....

NOTE.—Stage-discharge relation affected by ice Feb. 6-10, 18-28, 1923; Jan. 5-8, 20-24, 26-29, Feb. 9, 21-25, Dec. 12, 13, 15, 20-24, 26-30, 1924; Jan. 4 to Mar. 4, 1925; Jan. 10-17, 23-30, Feb. 6, 9-12, Dec. 18-20, 27, 1926; Jan. 2, 8-13, 16-18, 27-29, 1927; Jan. 2, 3, 21, 22, 26-31 and Feb. 1-3, 1928. No gage height record Oct. 7, Nov. 11-18, 1923; Feb. 3, Mar. 17, 23, Apr. 6, May 12-25, Sept. 22-24, Nov. 17-21, 30, Dec. 1-4, 1924; Feb. 9, 16-23, Mar. 15-20, 28, Apr. 5-22, 26, 27, Sept. 6, 13-22, Oct. 19, to Nov. 11, Dec. 19-31, 1925; Jan. 1-3, Dec. 4-10, 1926. The daily discharge for these periods determined by graphic study of gage heights, discharge measurements, weather records, and records of nearby streams. Indirect method of determining discharge used Oct. 24, to Dec. 3, 1926; Jan. 15 to Feb. 3, Feb. 28 to Mar. 15, and Nov. 4 to Dec. 14, 1927.

Monthly discharge of Beaver Brook near Belvidere, for the years ending September 30, 1922-1928.

[Drainage area, 36 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922					
May 24-31	29	20	23.6	0.656	0.20
June	53	13	19.5	.542	.60
July	100	15	36.9	1.02	1.18
August	27	6.2	11.9	.331	.38
September	134	10	38.4	1.07	1.19

Monthly discharge of Beaver Brook near Belvidere, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922-23					
October	26	7.9	11.6	0.322	0.37
November	11	5.5	8.58	.238	.27
December	30	5.2	12.4	.344	.40
January	132	16	51.7	1.44	1.66
February	70	14	30.1	.836	.87
March	636	31	166	4.61	5.32
April	132	29	63.4	1.76	1.96
May	59	25	40.7	1.13	1.30
June	54	10	20.8	.578	.64
July	17	4.6	7.56	.210	.24
August	6.2	3.5	4.68	.130	.15
September	9.6	3.1	5.36	.149	.17
The year	636	3.1	35.4	.983	13.35
1923-24					
October	47	3.4	9.47	0.263	0.30
November	24	7	12.4	.344	.38
December	108	35	63.5	1.76	2.03
January	171	55	87.0	2.42	2.79
February	177	26	52.4	1.46	1.58
March	168	27	78.1	2.17	2.50
April	481	59	130	3.61	4.03
May	180	41	88.4	2.46	2.84
June	52	18	3.17	.881	.98
July	21	5.5	11.6	.322	.37
August	16	4.1	6.31	.175	.20
September	130	3.4	8.50	.236	.26
The year	481	3.4	48.3	1.34	18.26
1924-25					
October	134	9.3	25.8	0.717	0.83
November	48	7.0	12.1	.336	.37
December	60	.....	26.6	.739	.85
January	.....	9	17.1	.475	.55
February	.....	.....	150	4.17	4.34
March	.....	74	101	2.81	3.24
April	.....	29	47.3	1.31	1.46
May	78	18	32.1	.892	1.03
June	27	8.5	15.1	.419	.47
July	86	7.4	20.2	.561	.65
August	100	12	38.7	1.08	1.24
September	.....	9.2	17.4	.483	.54
The year	.....	7.0	41.3	1.15	15.57
1925-26					
October	.....	14	29.1	0.808	0.93
November	100	30	56.5	1.57	1.75
December	195	24	68.2	1.89	2.18
January	146	20	44.1	1.22	1.41
February	540	19	80.3	2.23	2.32
March	207	44	69.6	1.93	2.22
April	86	31	46.8	1.30	1.45
May	33	10	18.4	.511	.59
June	19	6.7	11.2	.311	.35
July	9.5	4.5	6.34	.176	.20
August	34	3.6	9.27	.258	.30
September	61	5.6	21.8	.606	.68
The year	540	3.6	38.2	1.06	14.38

Monthly discharge of Beaver Brook near Belvidere, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926-27					
October	121	11	34.9	0.969	1.12
November	269	49	95.7	2.66	2.97
December	76	33	47.7	1.32	1.52
January	144	26	58.4	1.62	1.87
February	198	54	90.5	2.51	2.61
March	123	60	86.0	2.39	2.76
April	72	26	44.4	1.23	1.37
May	128	32	53.8	1.49	1.72
June	64	23	41.4	1.15	1.28
July	70	11	22.9	.636	.73
August	121	20	56.1	1.56	1.80
September	108	18	43.3	1.20	1.34
The year	269	11	56.0	1.56	21.09
1927-28					
October	481	15	101	2.81	3.24
November	298	60	136	3.78	4.22
December	344	61	141	3.92	4.52
January	98	40	55.1	1.53	1.76
February	298	42	98.9	2.75	2.97
March	132	48	66.9	1.86	2.14
April	160	46	81.6	2.27	2.53
May	134	34	59.1	1.64	1.89
June	108	27	66.1	1.84	2.05
July	740	49	198	5.50	6.34
August	604	49	198	5.50	6.34
September	204	31	73.3	2.04	2.28
The year	740	15	106	2.94	40.28

Musconetcong River Near Hackettstown.

LOCATION.—500 feet above Delaware, Lackawanna and Western Railroad bridge, half a mile below Saxton Falls dam of Morris Canal, and 3 miles above Hackettstown, Warren County.

DRAINAGE AREA.—70 square miles.

RECORDS AVAILABLE.—September 24, 1921, to September 30, 1928.

EQUIPMENT.—To August 21, 1923, inclined staff gage on left bank 500 feet upstream from railroad bridge; since then, water-stage recorder at same site.

CHANNEL AND CONTROL.—Channel, coarse gravel; control, coarse gravel riffle 75 feet below gage, probably permanent.

EXTREMES OF DISCHARGE.—1921-1928: Maximum stage from water-stage recorder, 5.12 feet at 1:00 P. M. February 12, 1925 (discharge, about 1,080 second-feet); minimum stage recorded, 1.02 feet at 5:00 P. M. July 8, 1927 (discharge, about 2 second-feet).

DIVERSION AND REGULATION.—Lake Hopatcong, about 9 miles upstream from this station, was the source of supply for the Morris Canal. There was a complex interchange of water between the canal and the river from the lake down to Saxton Falls dam, where the canal finally left the river and extended westward to the Delaware River at Phillipsburg. The canal extended eastward to Wharton and thence down Passaic Valley to Newark. The records at this station represent the amount of water left in Musconetcong River by the Morris Canal. Navigation was abandoned in the canal by act of the State Legislature March 13, 1924, after which date there was no diversion.

Distribution of flow was affected by operation of sluice-gates at Lake Hopatcong and possibly at other structures of the former Morris Canal. Monthly discharge tables for years ending 1926 to 1928 corrected for storage in Lake Hopatcong.

Daily discharge, in second-feet, of Musconetcong River near Hackettstown, for the years ending September 30, 1921-1928.

Day	Sept.	Day	Sept.	Day	Sept.
1921		1921		1921	
1		11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	35
6		16		26	29
7		17		27	26
8		18		28	32
9		19		29	29
10		20		30	27
				31	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	27	26	103	34	16	96	350	7	29	58	41	221
2	24	24	119	30	221	103	350	22	20	128	27	136
3	29	26	197	34	197	103	246	22	76	119	42	136
4	27	18	155	30	136	111	197	20	111	221	41	273
5	20	20	155	55	89	136	197	119	155	246	19	595
6	24	9	103	44	82	150	197	155	155	221	22	333
7	20	24	76	38	76	240	209	128	136	155	18	165
8	22	34	64	30	61	360	221	111	119	136	19	136
9	43	19	58	28	48	333	246	89	96	111	32	119
10	14	27	53	30	35	288	221	45	43	136	30	146
11	18	9	45	34	38	246	175	34	22	119	29	119
12	24	9	45	38	53	221	165	30	38	96	27	89
13	24	14	45	34	76	209	155	34	22	74	26	82
14	15	20	41	38	89	197	155	29	27	58	26	82
15	15	20	29	30	76	175	175	27	21	41	29	74
16	20	14	27	22	82	155	234	29	19	26	25	64
17	18	15	29	26	76	119	221	24	20	29	25	64
18	19	20	89	27	82	111	260	49	38	38	19	52
19	24	15	76	32	89	103	260	221	41	49	34	52
20	35	41	55	58	89	175	246	197	32	41	41	47
21	58	41	51	64	89	197	221	175	34	42	32	48
22	35	35	44	30	76	146	155	103	27	44	27	38
23	16	32	41	26	89	119	155	96	26	35	27	34
24	13	24	43	17	103	111	128	82	20	45	32	34
25	10	15	76	17	103	103	119	74	20	49	48	35
26	9	32	89	15	96	103	76	66	19	47	48	38
27	7	41	53	15	89	103	58	44	22	39	49	37
28	9	66	51	15	89	111	53	30	32	39	53	34
29	8	197	55	18	.....	76	19	21	26	45	43	33
30	10	155	44	16	.....	70	7	21	22	48	44	35
31	16	.....	38	20	.....	103	.....	29	.....	41	111	.....

Daily discharge, in second-feet, of Musconetcong River near Hackettstown, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	40	45	36	160		55	123	160	37	26	33	25
2	37	45	30	276		57	123	107	28	24	31	26
3	28	62	24	180		64	107	78	23	22	32	26
4	27	55	24	160		107	107	78	20	35	30	26
5	23	49	36	107		170	132	78	49	37	31	26
					55							
6	37	49	37			160	170	64	46	35	30	28
7	43	51	36			160	150	43	59	33	30	44
8	46	46	33			160	123	56	100	28	31	27
9	56	47	35	120		160	115	100	141	28	31	31
10	64	45	36			141	107	107	107	31	30	30
11	107	45	30			107	92	107	64	29	31	26
12	80	45	28			132	107	107	36	29	31	32
13	68	40	28			202	92	150	18	26	36	36
14	56	40	33			191	78	160	19	31	30	30
15	46	43	37			150	76	123	27	37	30	29
				55								
16	43	45	26			202	64	115	19	35	29	29
17	46	41	31			499	62	141	19	33	30	29
18	44	30	28			463	62	141	18	29	28	29
19	41	33	28			428	57	150	19	26	29	29
20	39	43	20		50	333	57	132	18	24	31	29
21	36	55	22			263	56	160	19	22	26	50
22	39	46	24			64	47	170	18	24	36	44
23	36	49	24			66	68	132	22	26	30	41
24	34	49	22			304	68	141	24	35	26	45
25	35	40	22			132	43	33	26	32	24	36
				100								
26	44	50	22			55	46	23	39	30	24	34
27	44	49	22			43	46	15	35	24	24	28
28	41	49	46			160	76	46	24	24	25	28
29	40	43	67		.....	150	123	40	30	23	29	30
30	41	37	68		.....	123	141	46	28	32	27	30
31	47	.....	36		.....	123	.....	41	.....	33	27	.....
1923-24												
1	28	35	100	78	92		107	175	132	47	48	77
2	24	37	85	78	78	65	100	155	141	45	45	70
3	26	35	73	115	76		100	141	132	43	44	92
4	26	30	68	150	78		115	100	107	41	43	202
5	27	26	64	123	100	100	141	123	100	45	45	276
6	26	32	92	78	115	123	225	115	92	50	47	290
7	26	64	100	107	100	150	537	110	85	48	45	263
8	27	58	92	85	78	132	499	140	78	45	45	250
9	28	42	77	78	85	107	428	200	78	100	45	250
10	30	43	66	77	73	115	395	200	72	100	43	238
11	36	42	55	123	70	123	363	276	66	92	37	107
12	24	37	59	150	68	115	318	379	64	57	72	72
13	28	37	62	123	66	115	276	499	68	71	85	55
14	29	39	71	100	62	107	276	463	78	72	58	57
15	33	35	71	85	65	100	290	463	107	60	56	56
16	30	37	68	100	64	85	263	428	100	53	71	55
17	28	31	67	304	60	85	202	428	100	63	170	55
18	31	24	63	238	71	92	250	428	67	48	191	55
19	37	33	58	202	63	92	363	412	60	44	191	55
20	43	40	57	170		92	333	348	56	43	191	57
21	24	38	58	150		92	290	348	55	42	202	55
22	35	24	66	90		92	263	348	51	41	191	62
23	49	14	100	90		100	263	304	48	41	191	76
24	92	50	107	107	65	100	250	304	47	39	202	66
25	78	55	92	170		100	238	250	52	39	202	66
26	50	47	85	123		100	225	225	55	26	202	64
27	30	48	85	115		100	225	225	57	36	202	63
28	29	47	85	78		100	214	214	62	36	202	62
29	27	46	92	107		107	150	214	59	40	191	58
30	34	73	85	100	.....	115	141	214	53	43	85	160
31	42	.....	78	100	.....	115	.....	191	.....	46	73	.....

Daily discharge, in second-feet, of Musconetcong River near Hackettstown, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	290	16	23				115	58	68	38	184	16
2	202	14	20			275	107	58	115	30	123	16
3	160	14	20				100	53	85	28	78	16
4	150	15	20				79	47	66	30	48	16
5	141	16	24		46	214	100	49	58	30	45	
				23								
6	132	18	59			250	100	45	53	30	46	
7	123	15	66			276	100	43	50	27	42	
8	123	16	63			263	77	40	31	27	38	52
9	123	17	71			250	85	37	19	28	38	
10	115	17	62		220	238	78	36	42	29	44	
11	68	17	53		800	225	85	50	32	36	42	
12	50	17	48		990	238	85	107	26	21	38	
13	49	16	47		945	225	78	68	25	20	37	170
14	39	18	51		690	214	67	59	25	18	48	191
15	31	24	45		412	202	79	54	27	18	44	202
				27								
16	27	21	43		379	191	107	68	52	20	38	225
17	28	19	43		318	191	85	62	42	33	32	238
18	29	16	32		263	202	78	68	34	33	30	225
19	28	16	34		214	250	75	63	29	26	28	214
20	26	15	36		214	276	70	47	28	23	26	225
21	22	15			191	263	66	41	27	23	25	202
22	20	32			202	263	59	39	24	31	26	191
23	19	71			238	290	57	35	23	42	24	138
24	18	60			276	290	53	68	20	34	22	78
25	17	48	21			225	55	202	24	28	21	44
				40								
26	17	37			260	191	57	141	28	38	22	41
27	18	30				170	54	115	26	60	20	40
28	18	41				191	48	92	23	49	18	50
29	19	35			.....	290	49	85	46	59	17	28
30	21	24			.....	290	52	85	51	50	17	36
31	17	.....	13		.....	160	.....	76	.....	53	16	.....
1925-26												
1	32	64	107	64	92	250	92	71	31	17	18	35
2	23	64	115	63	85	238	85	67	41	16	17	71
3	42	59	160	63	78	238	74	65	53	16	16	141
4	42	59	276	65		214	78	66	43	15	16	115
5	58	63	263	73		191	77	63	36	14	16	115
6	52	64	276	78	75	170	72	62	33	15	14	191
7	38	63	250	77		202	90	55	45	15	12	202
8	52	68	250	73		333	160	44	32	15	12	180
9	32	85	214	71		276	238	43	36	15	12	170
10	47	68	191			250	191	41	30	16	13	160
11	45	65	170	65		225	214	40	27	17	14	141
12	44	63	160			214	214	39	26	17	17	123
13	49	166	150			202	170	38	28	17	33	107
14	33	180	141			202	115	40	29	16	50	100
15	66	150	132	60	90	170	107	43	45	16	74	92
16	68	226	107	59		170	100	45	53	16	85	78
17	66	214	115	59		115	92	45	41	16	141	73
18	63	180	115	71		115	92	41	27	18	107	76
19	55	160	100	170	225	160	92	38	24	56	85	72
20	45	141	78	132	225	170	85	43	24	57	67	68
21	38	132	74	115	191	191	78	26	23	40	57	70
22	2	123	100	141	170	170	78	14	21	36	54	73
23	41	115	107	141		160	67	30	23	24	53	77
24	41	100	100		140	160	73	36	24	23	57	78
25	74	92	100			160	92	34	24	26	63	85
26	132	92		85	348	150	92	32	24	33	65	100
27	100	107			333	141	78	30	24	26	60	78
28	77	132	70		250	132	76	30	21	22	56	85
29	70	115			.....	115	77	29	18	20	52	100
30	64	107			.....	115	73	26	17	19	46	92
31	66	.....		72	.....	115	.....	28	.....	19	41	.....

Daily discharge, in second-feet, of Musconetcong River near Hackettstown, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	79	260	162	86	125	172	116	116	172	39	138	225
2	79	248	143	80	116	162	125	110	125	41	248	260
3	78	236	116	90	116	146	116	86	93	40	203	248
4	74	225	110	100	134	134	108	93	79	36	162	248
5	69	214	110	90	125	125	108	100	100	33	152	260
6	86	214	110	85	108	125	108	86	143	28	152	260
7	86	214	110	80	108	134	100	76	134	31	143	260
8	71	214	111	75	108	182	93	66	116	26	143	192
9	61	225	116	75	172	214	86	62	93	37	172	162
10	59	283	108	70	134	182	86	75	86	32	152	125
11	70	248	108	65	108	162	79	116	100	32	134	108
12	69	236	108	65	100	162	66	116	134	31	93	100
13	66	225	100	65	100	271	59	143	116	30	56	86
14	74	225	108	65	100	308	54	143	116	32	64	86
15	70	225	108	66	100	308	50	172	125	70	108	86
16	74	330	110	100	108	283	49	172	100	74	116	86
17	64	490	100	110	116	271	49	143	72	108	108	79
18	72	401	85	80	162	225	51	143	55	125	125	86
19	76	373	85	65	182	172	52	172	54	108	125	100
20	86	333	85	70	120	182	48	203	108	93	116	100
21	134	308	85	90	110	248	46	182	116	61	108	93
22	108	308	86	152	120	271	94	172	93	46	86	86
23	93	308	86	182	125	225	125	116	86	106	93	78
24	100	283	78	152	143	203	100	182	93	182	108	72
25	214	271	62	134	162	203	79	271	79	143	86	70
26	192	271	86	125	260	203	70	346	86	125	55	72
27	152	308	86	115	248	172	86	346	93	108	142	74
28	143	271	86	110	192	172	192	295	79	93	214	70
29	152	162	125	108	.....	162	192	172	61	69	225	66
30	225	162	108	116	.....	125	172	172	46	34	236	62
31	248	.....	100	125	.....	125	.....	162	.....	66	225	.....
1927-28												
1	61	182	490	214	70	248	236	373	54	236	283	360
2	60	162	490	120	70	225	236	346	52	214	271	308
3	70	368	550	80	75	182	192	260	51	152	248	283
4	125	840	520	75	108	162	182	214	49	100	248	295
5	116	775	520	75	152	152	182	162	116	152	295	248
6	93	675	520	78	172	143	152	172	271	346	401	203
7	79	640	351	75	152	100	152	162	283	320	401	203
8	79	580	343	78	260	100	134	125	214	271	320	172
9	79	550	430	78	346	108	134	93	162	225	236	152
10	79	520	346	78	295	116	125	93	225	236	203	143
11	74	490	320	78	260	108	108	100	225	260	182	134
12	79	460	300	79	236	116	116	100	214	260	203	134
13	172	401	283	79	225	162	125	93	162	236	203	136
14	182	248	308	79	236	192	125	79	108	354	172	172
15	152	172	295	79	490	182	143	65	86	460	162	134
16	143	162	283	75	401	162	143	59	74	387	143	116
17	143	172	295	72	333	152	134	60	67	346	182	108
18	210	508	283	72	320	143	116	71	93	248	373	100
19	481	610	290	76	308	143	93	125	86	182	320	108
20	610	580	271	108	295	143	86	172	93	134	271	134
21	580	550	225	85	283	134	79	172	125	134	236	125
22	520	520	214	76	260	125	116	152	182	152	354	116
23	490	490	106	66	308	125	192	152	192	248	490	100
24	448	490	225	65	430	116	283	134	214	236	430	86
25	460	490	248	152	387	125	295	93	182	214	430	79
26	430	460	236	134	320	125	283	79	125	192	550	79
27	281	490	156	90	295	134	271	79	125	172	610	79
28	182	490	134	80	271	125	401	100	143	395	675	75
29	172	490	172	75	260	125	430	108	134	460	610	79
30	295	490	192	80	.....	225	387	79	225	401	580	78
31	214	.....	192	75	.....	271	.....	69	.....	346	490	.....

NOTE.—These tables do not include water diverted by Morris Canal; canal abandoned Mar. 13, 1924. Stage-discharge relation affected by ice Dec. 22, 29-31, 1921; Jan. 1-17, 22-31, Feb. 1, 1922, Jan. 6, to Mar. 1, 1923; Jan. 22, 23, Feb. 20-24, Dec. 15, 16, 21-30, 1924; Jan. 1, to Feb. 11, Dec. 26-31, 1925; Jan. 10-14, 24-30, Feb. 4-18, 23-25, Dec. 4-7, 16-21, 1926; Jan. 2, 8, 16-21, 27, 28, 1927; Jan. 2-5, 27-31, and Feb. 1-3, 1928. No gage height record Mar. 7, 31, July 11-25, Sept. 15-22, 1923; Feb. 25, to Mar. 4, May 1, 2, 7-10, 1924; Feb. 25, to Mar. 4, Sept. 5-12, 1925; Jan. 3-7, and 9-14, 1927. Discharge for these periods determined by graphic study of gage heights, discharge measurements, weather records, and records of nearby streams, especially of Musconetcong River near Bloomsbury.

Monthly discharge of Musconetcong River near Hackettstown, for the years ending September 30, 1922-1928.

[Drainage area, 70 square miles.]

Month	Discharge in second-feet			Month	Discharge in second-feet		
	Maximum	Minimum	Mean		Maximum	Minimum	Mean
1921-22				1923-24			
October	58	7	21.1	October	92	24	34.7
November	197	9	34.7	November	73	14	40.0
December	197	27	69.3	December	107	55	76.8
January	64	15	30.5	January	304	77	122
February	221	16	87.3	February	115	.....	72.9
March	360	70	157	March	150	.....	100
April	350	7	182	April	537	100	261
May	221	7	68.8	May	499	100	272
June	155	19	48.9	June	141	47	77.4
July	246	26	83.1	July	100	26	51.5
August	111	18	35.0	August	202	37	113
September	595	33	112	September	290	55	112
The year	595	7	77.2	The year	537	14	111
1922-23				1924-25			
October	107	23	45.5	October	290	17	69.0
November	62	30	45.5	November	71	14	24.3
December	68	20	32.0	December	71	.....	34.9
January	.....	.....	103	January	.....	.....	30.3
February	.....	.....	51.8	February	990	.....	279
March	499	43	175	March	.....	160	240
April	170	43	90.6	April	115	48	76.7
May	170	15	98.2	May	202	35	67.4
June	141	18	37.7	June	115	19	40.0
July	37	22	29.1	July	60	18	32.6
August	36	24	29.4	August	184	16	41.2
September	.....	25	31.8	September	238	.....	101
The year	499	15	64.4	The year	990	.....	85.0

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
1925-26						
October	132	23	54.3	41.6	0.594	0.68
November	226	59	111	137	1.96	2.19
December	276	.....	138	149	2.13	2.46
January	170	59	82.8	87.5	1.25	1.44
February	348	.....	131	152	2.17	2.26
March	333	115	184	212	3.03	3.49
April	238	67	107	116	1.66	1.85
May	71	14	42.1	34.7	.496	.57
June	53	17	30.8	25.7	.367	.41
July	57	14	22.2	27.1	.387	.45
August	141	12	45.9	55.7	.796	.92
September	202	35	105	97.3	1.39	1.55
The year	348	12	87.5	94.1	1.34	18.27

Monthly discharge of Musconetcong River near Hackettstown, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
1926-27						
October	248	59	104	92.6	1.32	1.52
November	490	162	269	208	2.97	3.31
December	162	62	103	117	1.67	1.92
January	182	65	96.5	118	1.69	1.95
February	260	100	136	161	2.30	2.40
March	308	125	194	206	2.94	3.39
April	192	46	92.0	100	1.43	1.60
May	346	62	155	153	2.19	2.52
June	172	46	98.4	96.8	1.38	1.54
July	182	26	67.1	69.5	.993	1.14
August	248	55	138	159	2.27	2.62
September	260	62	130	90.6	1.29	1.44
The year	490	26	132	131	1.87	25.35
1927-28						
October	610	60	231	246	3.51	4.05
November	840	162	468	430	6.14	6.85
December	550	106	309	302	4.31	4.97
January	214	65	88.0	113	1.61	1.86
February	490	70	263	251	3.59	3.87
March	271	100	151	159	2.27	2.62
April	430	79	188	214	3.06	3.41
May	373	59	134	129	1.84	2.12
June	283	49	144	151	2.16	2.41
July	460	100	260	260	3.71	4.28
August	675	143	341	330	4.71	5.43
September	360	75	151	125	1.79	2.00
The year	840	49	227	226	3.23	43.87

NOTE.—These tables do not include diversion through the Morris Canal. The later tables are corrected for storage in Lake Hopatcong. No correction made for evaporation.

Musconetcong River Near Bloomsbury.

LOCATION.—At highway bridge 1½ miles above Bloomsbury, Hunterdon County, and 9 miles above the mouth of river.

DRAINAGE AREA.—143 square miles.

RECORDS AVAILABLE.—July 4, 1903, to March 31, 1907; and from July 26, 1921, to September 30, 1928.

EQUIPMENT.—To April 12, 1904: Vertical staff gage attached to right abutment of bridge near downstream end.

April 12, 1904-1907: Chain gage on bridge.

1921 to 1928: Water-stage recorder on right bank just below the bridge.

Comparison between the ratings for the two periods indicates that the datum of the present gage is about 0.03 foot lower than datum used 1903-1907.

CHANNEL AND CONTROL.—Channel, gravel. Control, gravel riffle about 150 feet below gage. Banks are overflowed at high stages.

EXTREMES OF DISCHARGE.—1903-1907, 1921-1928: Maximum stage recorded, 8.0 feet (1903-1907 datum) on October 10 or 11, 1903 (discharge, not determined); minimum discharge, 21 second-feet on November 19, 1921.

DIVERSIONS AND REGULATION.—Lake Hopatcong at head of Musconetcong River was source of supply for Morris Canal. Through the canal water passed westward to Delaware River at Phillipsburg and eastward down Passaic Valley to Newark. Water left in Musconetcong River by canal was measured by gaging station near Hackettstown. Navigation in canal was abandoned by act of the State Legislature March 13, 1924, when diversion was discontinued.

Distribution of flow was affected by several small water powers above the station and by operation of sluice gates at Lake Hopatcong. Monthly discharge tables for 1926 to 1928 corrected for storage in Lake Hopatcong.

CO-OPERATION.—Station established in co-operation with the Warren Manufacturing Company.

Daily discharge, in second-feet, of Musconetcong River near Bloomsbury, for the years ending September 30, 1921-1928.

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1921				1921				1921			
1	.....	75	84	11	.....	114	107	21	.....	71	93
2	.....	77	84	12	.....	102	102	22	.....	77	226
3	.....	137	84	13	.....	102	107	23	.....	79	141
4	.....	114	71	14	.....	93	97	24	.....	79	94
5	.....	112	84	15	.....	97	107	25	.....	84	87
6	.....	102	86	16	.....	88	77	26	.....	102	81	106
7	.....	307	156	17	.....	90	84	27	.....	84	81	78
8	.....	178	107	18	.....	84	84	28	.....	88	84	77
9	.....	150	95	19	.....	93	97	29	.....	84	88	90
10	.....	121	86	20	.....	79	75	30	.....	93	90	72
								31	.....	75	84	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1921-22												
1	97	63	248	101	76	253	636	127	116	643	163	350
2	70	121	235	84	1,010	243	515	115	134	440	146	241
3	80	94	381	103	453	229	480	131	235	473	208	184
4	88	79	317	97	358	217	445	176	320	498	192	618
5	87	84	274	145	290	314	427	333	265	500	172	723
6	80	90	218	166	304	310	386	307	303	429	144	461
7	74	74	176	131	284	437	403	271	278	353	131	320
8	56	71	170	110	244	830	398	244	228	295	129	270
9	75	96	162	113	227	656	405	226	209	285	118	122
10	80	92	138	102	212	521	394	197	167	270	129	200
11	58	104	141	95	147	484	365	164	150	220	122	200
12	70	82	113	107	170	452	369	157	145	208	103	193
13	75	56	124	145	172	400	317	156	120	184	103	164
14	68	58	120	104	156	375	221	148	116	185	103	159
15	70	71	108	96	149	357	514	154	112	167	114	154
16	66	72	100	102	150	327	395	153	100	156	108	152
17	81	74	102	96	132	290	420	144	108	148	114	135
18	76	76	169	90	142	262	446	203	127	144	113	139
19	72	59	172	91	139	248	435	263	142	165	104	120
20	103	86	143	124	575	453	428	365	124	139	120	130
21	119	110	133	139	237	423	410	332	126	140	117	115
22	98	97	94	135	323	349	362	266	130	148	101	130
23	88	92	115	127	366	301	326	216	120	148	96	124
24	63	81	143	116	398	278	295	208	108	157	111	116
25	56	81	169	114	321	263	272	202	97	172	104	114
26	65	78	131	110	282	246	250	172	103	159	140	113
27	73	80	133	110	317	243	210	136	98	151	146	116
28	63	185	116	86	282	172	199	127	128	143	155	113
29	62	454	117	84	.....	256	183	133	118	156	132	104
30	57	323	92	84	.....	225	150	110	102	143	114	100
31	60	.....	108	84	.....	268	.....	116	.....	153	118	.....

Daily discharge, in second-feet, of Musconetcong River near Bloomsbury, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	97	100	91	466	134	141	250	242	119	80	86	68
2	106	103	99	412	138	175	246	215	101	98	83	45
3	101	109	63	298	140	341	244	189	141	85	78	71
4	103	125	88	250	133	459	236	184	147	92	78	68
5	93	95	90	205	105	428	328	174	103	151	69	64
6	102	116	87	175	90	310	412	160	124	103	72	65
7	103	111	97	142	85	284	301	151	144	96	72	66
8	109	110	82	126	85	290	282	139	228	80	73	76
9	132	111	95	154	100	257	257	250	251	93	71	74
10	137	98	81	151	116	238	230	205	205	84	65	77
11	194	99	85	128	95	235	227	201	171	94	77	70
12	163	92	83	118	75	364	220	201	133	83	71	61
13	136	111	78	113	100	450	214	249	114	78	100	66
14	121	93	67	93	129	474	202	238	107	74	76	72
15	108	91	76	122	100	366	188	224	102	72	73	64
16	110	101	78	116	80	640	192	217	87	116	70	51
17	116	107	68	119	80	834	172	260	83	103	79	69
18	116	93	94	125	80	703	179	230	99	92	70	71
19	109	76	79	118	80	678	164	214	86	77	55	60
20	110	94	84	122	80	520	158	215	89	80	78	48
21	83	98	74	154	80	497	166	290	85	70	70	114
22	90	111	77	309	85	450	156	279	87	67	70	90
23	111	106	74	223	90	447	160	253	99	74	73	82
24	101	101	62	205	85	493	155	219	100	72	72	108
25	101	93	71	224	79	421	143	177	96	109	60	84
26	103	99	81	190	96	365	138	147	87	103	54	74
27	99	111	82	176	102	353	138	113	98	83	71	73
28	93	95	146	154	140	326	139	123	94	66	76	63
29	91	105	126	158	.....	268	412	134	96	75	88	78
30	96	85	102	136	.....	276	266	121	92	84	75	59
31	98	.....	92	122	.....	263	.....	129	.....	80	72	.....
1923-24												
1	66	82	241	178	216	172	199	350	270	135	103	129
2	61	73	158	164	193	190	194	306	219	136	97	129
3	58	78	130	314	181	186	199	268	235	125	96	135
4	66	68	120	308	184	402	233	226	221	117	108	161
5	67	78	120	257	321	439	273	233	198	120	102	290
6	65	75	228	188	362	589	505	228	198	125	117	324
7	46	93	206	224	251	368	1,170	220	202	134	105	307
8	65	123	184	185	209	283	1,020	246	184	159	107	302
9	66	89	147	175	171	231	737	483	188	200	100	300
10	58	86	157	169	175	234	657	478	175	197	112	298
11	63	71	122	256	171	283	607	425	168	187	98	233
12	70	97	128	278	166	288	542	661	172	152	175	141
13	56	78	126	231	158	248	473	770	180	167	192	106
14	49	75	130	212	152	224	433	693	189	160	149	96
15	67	83	130	177	156	200	443	693	188	150	114	115
16	69	88	130	245	136	181	430	626	196	133	107	97
17	73	70	143	586	129	180	379	588	187	126	162	99
18	62	60	112	469	144	184	431	561	180	118	240	112
19	73	70	118	375	142	191	585	580	158	114	242	106
20	82	80	111	335	130	186	522	496	159	105	245	93
21	68	74	118	272	178	188	459	488	148	124	252	94
22	69	78	139	207	174	177	421	472	137	105	246	111
23	88	78	271	249	158	180	406	418	131	125	244	137
24	232	86	269	223	145	187	376	402	132	106	246	120
25	178	94	192	652	145	184	358	387	266	102	254	109
26	113	95	191	387	141	195	346	340	205	89	253	113
27	76	90	172	324	140	198	334	323	160	83	249	93
28	67	89	197	302	142	211	325	334	174	100	246	98
29	78	82	201	257	140	210	318	315	160	90	237	131
30	64	186	162	230	.....	200	280	316	156	98	198	604
31	125	.....	179	227	.....	206	.....	292	.....	103	128	.....

Daily discharge, in second-feet, of Musconetcong River near Bloomsbury, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	527	63	78	66	80	473	261	155	148	104	400	
2	330	67	66	65	89	605	242	151	157	89	280	
3	255	75	73	80	93	472	230	133	170	86	190	75
4	225	73	74	116	85	431	207	145	140	74	160	
5	215	68	81	80	80	383	196	135	127	93	130	
6	209	70	145	75	74	433	208	131	113	91	121	66
7	193	74	132	82	70	456	204	130	107	85	121	111
8	190	66	131	77	79	431	194	122	114	79	114	95
9	184	60	152	85	95	406	181	114	95	85	219	84
10	182	77	132	74	306	382	188	110	103	103	241	90
11	164	67	116	70	1,240	373	199	177	102	80	157	153
12	126	73	113	83	1,580	391	186	217	88	79	123	179
13	118	65	100	70	955	364	189	184	81	81	137	211
14	101	78	102	65	693	352	172	154	75	66	139	271
15	87	65	92	60	718	337	239	147	86	69	130	258
16	92	62	93	65	707	319	229	140	142	74	117	400
17	85	78	102	79	598	332	204	160	115	86	120	441
18	72	75	93	80	487	355	181	151	101	82	106	315
19	78	60	85	85	432	499	177	152	90	76	102	283
20	91	69	78	80	426	448	181	138	73	78	100	291
21	82	66	75	76	412	415	165	121	79	74	96	287
22	88	107	70	70	444	418	160	113	87	90	100	259
23	72	148	70	70	497	424	156	106	81	108	88	235
24	70	126	95	65	530	424	149	160	74	93	94	173
25	65	107	91	75	468	381	140	319	77	81	87	132
26	65	93	85	88	565	336	136	264	85	105	96	101
27	78	77	75	83	441	311	153	208	75	147	83	97
28	69	76	70	75	454	356	137	178	72	152	84	112
29	74	100	70	70	.....	378	141	174	109	155	76	108
30	77	75	73	70	.....	409	144	164	131	120	71	94
31	78	.....	73	75	.....	341	.....	155	.....	277	79	.....
1925-26												
1	93	146	221	165	235	478	217	143	100	60	59	83
2	90	155	227	166	182	520	188	141	143	65	65	118
3	96	141	411	166	175	401	169	148	119	60	54	177
4	103	137	553	173	120	334	186	135	109	55	60	173
5	141	131	505	183	147	270	175	141	93	60	55	174
6	125	161	514	182	193	290	171	130	86	80	49	286
7	109	140	464	179	181	811	164	126	107	75	49	300
8	99	148	440	152	169	769	276	112	117	60	46	266
9	112	183	403	142	153	424	339	104	89	65	68	238
10	109	160	355	157	153	375	302	117	91	55	56	223
11	109	147	321	153		337	299	104	84	60	56	204
12	120	150	318	150		314	302	108	77	66	71	182
13	102	486	299	146		292	282	104	80	57	126	166
14	112	365	289	140	200	260	217	110	91	60	101	150
15	143	305	256	140		262	198	102	129	57	128	139
16	138	450	254	135		270	191	107	109	67	198	130
17	143	412	236	133	276	218	175	118	101	51	256	122
18	129	351	232	464	276	211	171	107	100	49	203	121
19	131	313	214	423	988	237	177	107	93	107	154	118
20	121	288	207	265	451	267	163	106	92	103	132	125
21	105	268	211	255	349	290	165	102	111	93	110	109
22	104	252	232	333	293	274	159	81	98	80	107	
23	94	245	232	223	270	268	148	79	102	69	112	120
24	96	223	212	236	238	270	144	96	111	64	109	
25	269	209	210	203	860	259	179	93	105	130	121	
26	265	204		189	1,030	262	179	91	96	80	120	146
27	211	247	200	186	593	251	157	88	85	77	113	142
28	187	264		163	407	234	158	87	75	72	105	129
29	162	235	194	160	.....	215	158	74	65	65	96	149
30	143	216	183	160	.....	208	149	78	65	109	96	147
31	148	.....	177	202	.....	218	.....	94	.....	68	89	.....

Daily discharge, in second-feet, of Musconetcong River near Bloomsbury, for the years ending September 30, 1921-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	140	393	290	194	257	323	213	219	259	98	460	498
2	116	367	257	164	273	290	219	189	243	88	461	519
3	121	342	210	176	257	256	225	169	194	94	382	491
4	123	323	226	216	273	257	206	172	168	94	291	461
5	114	314	170	210	241	241	198	182	204	89	260	488
6	140	300	180	194	226	241	210	175	211	95	261	485
7	135	300	220	155	210	257	194	162	222	75	245	455
8	113	300	220	143	210	306	180	149	204	75	247	389
9	110	300	210	137	257	340	169	145	174	76	302	291
10	102	530	210	134	257	306	165	148	161	81	273	237
11	114	440	194	123	210	290	164	207	165	85	232	212
12	120	380	194	138	194	273	154	204	179	88	199	196
13	114	350	194	120	194	340	140	205	188	90	157	177
14	121	350	210	280	194	428	120	219	206	85	132	164
15	119	333	210	154	270	462	110	247	209	140	219	166
16	112	610	179	210	248	410	107	253	179	150	202	160
17	118	875	179	179	307	392	128	216	152	180	185	161
18	128	715	163	167	406	358	130	202	130	200	205	150
19	133	675	200	164	340	290	130	249	145	180	228	188
20	160	560	200	472	257	306	132	281	202	170	208	183
21	227	520	190	766	240	392	119	259	190	130	195	174
22	193	462	179	568	241	410	205	246	167	180	175	158
23	158	462	158	382	241	358	229	213	153	232	191	149
24	153	428	149	340	304	323	192	255	178	261	188	148
25	450	392	152	273	406	306	173	435	147	235	177	142
26	379	392	283	226	829	306	153	521	147	197	141	132
27	293	445	188	173	462	290	171	501	154	177	352	142
28	240	410	281	194	375	273	273	441	147	165	420	137
29	220	340	371	397	.....	273	289	314	137	135	503	127
30	270	290	241	306	.....	241	271	266	119	117	488	139
31	358	.....	210	306	.....	226	.....	264	.....	109	473	.....
1927-28												
1	117	302	610	443	205	433	400	604	173	397	520	651
2	123	269	687	311	196	410	380	563	163	361	468	554
3	123	667	754	260	186	359	358	498	157	319	449	547
4	252	1,150	704	245	218	329	326	410	172	247	403	504
5	224	1,160	689	241	353	319	320	376	228	383	510	462
6	182	1,000	695	246	303	296	306	329	481	717	656	435
7	155	887	592	233	297	259	272	326	436	581	635	432
8	150	823	873	236	1,060	244	288	301	385	471	528	378
9	158	769	798	252	625	245	260	271	316	413	437	348
10	163	724	657	237	506	259	252	252	345	393	379	326
11	151	682	618	230	444	248	236	256	347	458	344	307
12	147	661	633	233	408	309	271	260	323	505	340	294
13	501	633	591	232	376	373	261	247	302	444	351	314
14	374	509	658	226	569	395	272	236	281	1,035	318	352
15	288	363	575	220	1,080	367	282	219	281	886	292	301
16	239	333	598	215	665	328	281	204	198	715	276	271
17	230	429	589	210	557	305	264	198	179	642	518	260
18	699	906	524	210	519	313	249	235	188	540	618	250
19	1,120	950	475	228	479	305	220	262	231	439	525	268
20	1,140	861	529	285	463	296	202	345	224	369	448	315
21	996	796	448	211	419	287	198	349	237	334	396	285
22	813	754	429	195	404	276	288	387	316	341	732	258
23	747	716	372	190	1,060	273	384	307	322	584	795	246
24	680	690	358	194	786	260	526	284	408	454	679	233
25	636	693	421	411	663	266	492	255	348	399	835	216
26	618	654	414	306	526	275	453	218	291	378	915	214
27	546	662	374	264	479	266	443	256	270	375	1,000	211
28	381	690	301	221	456	252	712	254	261	921	1,050	203
29	334	667	377	205	437	246	712	247	315	765	960	206
30	347	638	408	227	.....	408	643	223	360	660	915	211
31	364	.....	404	218	.....	440	.....	209	.....	580	795	.....

NOTE.—These tables do not include water diverted by the Morris Canal. Stage-discharge relation affected by ice Feb. 5-9, 11-13, 15-24, 1923; Dec. 21-23, 26-29, 1924; Jan. 2, 3, 14-16, 22-25, 28-31, Feb. 1, 1925; Jan. 29, 30, Feb. 11, 12, Dec. 6-8, 1926; Feb. 21, 1927; Jan. 3, 4, 22, and 23, 1928. No gage height record Dec. 3-5, 15, 16, 1923; Sept. 1-5, Dec. 26-28, 1925; Feb. 13-16, Sept. 22-25, Oct. 28-30, Nov. 9-13, Dec. 19-21, 1926; Apr. 13-15, July 8, and 13-22, 1927. Discharge for these periods determined by graphic study of station records, weather records, and records of nearby streams, especially of Musconetcong River near Hackettstown.

Monthly discharge of Musconetcong River near Bloomsbury, for the years ending September 30, 1903-1907 and 1921-1928.

[Drainage area, 143 square miles.]

Month	Discharge in second-feet			Month	Discharge in second-feet		
	Maximum	Minimum	Mean		Maximum	Minimum	Mean
1903				1921			
July 4-31	558	184	280	July 26-31	102	75	87.7
August	706	190	292	August	307	71	104
September	317	146	192	September	226	71	97.9
1903-4				1921-22			
October	2,780	132	599	October	119	56	75.2
November	359	166	220	November	454	56	106
December	903	190	330	December	381	92	160
January	1,408	154	335	January	145	84	109
February	1,877	146	329	February	1,010	76	286
March 1-7	1,498	267	503	March	830	172	345
April 12-30	345	127	197	April	636	150	369
May	205	92	142	May	365	110	195
June	154	60	105	June	320	97	155
July	199	66	93.8	July	643	139	244
August	317	66	97.9	August	208	96	128
September	1,783	56	176	September	723	100	206
The period	2,780	56	246	The year	1,010	56	198
1904-5				1922-23			
October	558	83	156	October	194	83	111
November	205	96	140	November	116	76	101
December	283	96	135	December	146	62	85.6
January	1,542	107	454	January	466	93	181
February	334	175	227	February	140	75	99.4
March	1,126	112	507	March	834	141	398
April	507	146	336	April	412	138	219
May	190	86	113	May	290	113	198
June	107	69	88.1	June	251	83	119
July	96	57	71.2	July	151	66	87.5
August	154	53	77.4	August	100	54	73.5
September	370	66	124	September	114	45	71.0
The year	1,542	53	203	The year	834	45	146
1905-6				1923-24			
October	196	59	96.2	October	232	46	78.7
November	317	59	96.6	November	186	60	85.6
December	310	86	177	December	271	111	162
January	307	132	184	January	652	164	279
February	788	92	185	February	362	129	176
March	1,050	184	319	March	589	172	239
April	698	300	429	April	1,170	194	455
May	731	107	217	May	770	220	426
June	345	107	200	June	270	131	185
July	424	90	141	July	200	83	129
August	352	107	189	August	254	96	172
September	119	56	87.8	September	604	93	173
The year	1,050	56	193	The year	1,170	46	213
1906-7				1924-25			
October	214	69	107	October	527	65	140
November	226	56	111	November	148	60	78.7
December	417	90	156	December	152	66	93.1
January	491	196	277	January	.....	.....	75.9
February	.....	.....	100	February	1,580	70	453
March	862	120	394	March	605	311	401
				April	261	136	185
				May	319	106	158
				June	170	72	103
				July	277	66	98.8
				August	400	71	134
				September	441	.....	174
				The year	1,580	60	173

Monthly discharge of Musconetcong River near Bloomsbury, for the years ending September 30, 1903-1907 and 1921-1928—Continued.

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1925-26						
October	269	90	133	120	.839	.97
November	486	131	238	264	1.85	2.06
December	553	177	289	300	2.10	2.42
January	464	133	198	202	1.41	1.63
February	1,030	120	319	340	2.38	2.48
March	811	208	325	353	2.47	2.85
April	339	144	199	207	1.45	1.62
May	148	74	108	100	.699	.81
June	143	65	97.4	92.4	.646	.72
July	130	49	71.6	76.5	.535	.62
August	256	46	102	112	.783	.90
September	300	83	160	152	1.06	1.18
The year	1,030	46	186	192	1.34	18.26
1926-27						
October	450	102	174	163	1.14	1.31
November	875	290	430	369	2.58	2.88
December	371	149	210	224	1.57	1.81
January	766	120	247	269	1.88	2.17
February	829	194	292	317	2.22	2.31
March	462	226	315	326	2.28	2.63
April	289	107	179	187	1.31	1.46
May	521	145	249	247	1.73	1.99
June	259	119	178	176	1.23	1.37
July	261	75	135	137	.958	1.10
August	503	132	273	294	2.06	2.38
September	519	127	251	211	1.48	1.65
The year	875	75	244	243	1.70	23.06
1927-28						
October	1,140	117	419	435	3.04	3.50
November	1,160	269	701	663	4.64	5.18
December	873	301	553	546	3.82	4.40
January	443	190	246	271	1.90	2.19
February	1,080	186	508	497	3.48	3.75
March	440	244	311	319	2.23	2.57
April	712	198	352	377	2.64	2.94
May	604	198	303	298	2.08	2.40
June	481	157	284	291	2.03	2.26
July	1,035	247	520	520	3.64	4.20
August	1,050	276	583	572	4.00	4.61
September	651	203	328	292	2.04	2.28
The year	1,160	117	425	423	2.96	40.28

NOTE.—No allowance made for diversion by Morris Canal from headwaters of river. Tables for years ending 1926-1928 corrected for storage in Lake Hopatcong. No correction made for evaporation. Data for 1903-1906 republished from United States Geological Survey Water-Supply Papers 166, 202, and 241.

Assunpink Creek at Trenton.

LOCATION.—At Chambers Street bridge in Trenton, Mercer County, 1½ miles above mouth of river.

DRAINAGE AREA.—89 square miles.

RECORDS AVAILABLE.—July 20, 1923, to September 30, 1928.

EQUIPMENT.—Water-stage recorder in standard shelter on left bank 50 feet above Chambers Street bridge.

CHANNEL AND CONTROL.—Channel, sand and gravel. Control is bar of gravel and large stone placed 40 feet below gage.

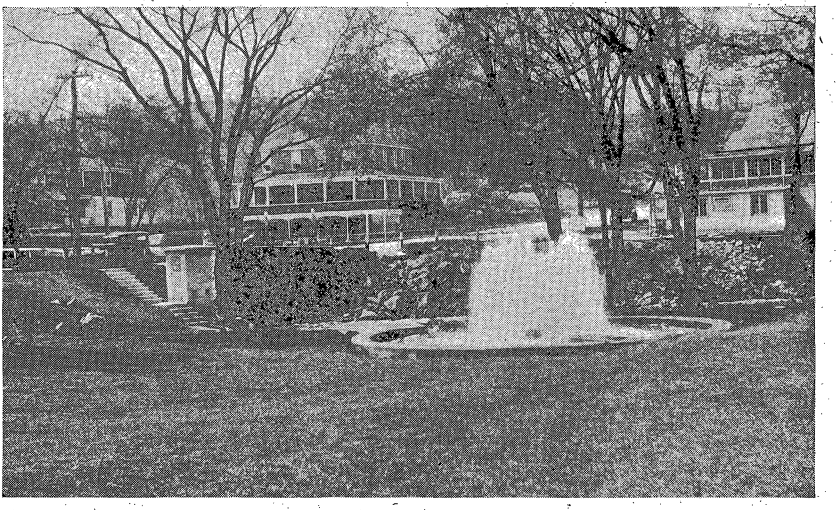
EXTREMES OF DISCHARGE.—1923-1928: Maximum stage from water-stage recorder, 7.85 feet at 4:00 A. M. April 7, 1924 (discharge, 2,400 second-feet); minimum stage recorded, 1.69 feet at 6:00 A. M. June 30, 1927 (discharge, 2 second-feet).

REGULATION.—Large daily fluctuations in flow at low stages due to water powers upstream.

PLATE X.



(a) *Artificial control under bridge.*



(b) *Shelter for automatic water-stage recorder just above bridge.*

Gaging station on the Musconetcong River outlet of Lake Hopatcong.

Daily discharge, in second-feet, of Assunpink Creek at Trenton, for the years ending September 30, 1923-1928.

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1923				1923				1923			
1	.....	24	22	11	.....	20	20	21	.....	11	24	54
2	.....	23	21	12	.....	20	23	22	.....	11	27	52
3	.....	22	20	13	.....	20	39	23	.....	11	26	58
4	.....	23	18	14	.....	19	25	24	.....	12	24	70
5	.....	23	18	15	.....	22	23	25	.....	22	23	66
6	.....	23	18	16	.....	18	24	26	.....	18	22	88
7	.....	21	18	17	.....	18	24	27	.....	18	20	70
8	.....	20	21	18	.....	17	22	28	.....	20	20	47
9	.....	18	22	19	.....	23	23	29	.....	20	23	34
10	.....	18	20	20	.....	16	33	21	30	.....	27	22	29
									31	.....	23	22	.....

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	.....	26	47	86	194	98	210	120	185	129	246	47	63
2	.....	25	47	59	157	91	240	137	161	125	212	42	52
3	.....	24	21	65	463	91	286	188	147	112	180	42	52
4	.....	23	39	54	417	88	290	290	130	99	128	41	48
5	.....	22	48	114	303	271	302	290	115	96	85	41	47
6	.....	22	24	219	173	431	319	506	102	86	83	39	45
7	.....	21	53	160	138	374	285	1,810	92	82	80	39	43
8	.....	24	42	131	90	278	243	1,000	105	77	159	39	42
9	.....	26	37	113	86	155	210	480	329	75	591	37	173
10	.....	25	21	95	73	124	190	319	335	69	255	37	356
11	.....	21	32	87	316	120	400	250	371	71	181	40	148
12	.....	24	32	81	418	104	784	208	637	78	119	545	95
13	.....	21	45	64	291	89	702	180	596	95	131	362	79
14	.....	15	32	73	222	77	450	150	418	189	162	175	66
15	.....	25	30	65	164	79	272	139	311	193	99	134	63
16	.....	26	32	65	217	84	217	131	220	131	100	102	60
17	.....	27	18	69	603	73	168	129	171	121	82	91	61
18	.....	23	32	65	378	77	125	371	146	122	77	67	60
19	.....	34	37	55	271	71	126	737	140	117	64	55	60
20	.....	23	32	52	233	320	115	538	118	243	63	50	38
21	.....	16	29	49	141	607	109	369	142	395	68	48	49
22	.....	33	25	49	78	614	126	303	147	486	58	46	73
23	.....	39	44	165	83	623	89	256	125	307	65	43	100
24	.....	86	69	199	77	329	98	211	212	213	44	43	83
25	.....	97	56	145	392	235	92	189	439	176	53	54	75
26	.....	66	50	131	287	191	109	156	232	199	52	117	90
27	.....	64	48	114	183	158	168	135	214	198	49	123	48
28	.....	73	49	176	133	145	156	125	226	243	51	117	52
29	.....	70	28	144	128	185	170	136	193	356	44	111	70
30	.....	55	73	121	121	.....	170	148	193	293	45	122	234
31	.....	46	.....	217	93	.....	137	.....	148	.....	43	112	.....

Daily discharge, in second-feet, of Assunpink Creek at Trenton, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1	380	23	63	27	148	194	132	112	54	26	41	18
2	214	38	59	45	147	497	130	104	37	27	56	25
3	196	54	51	34	161	278	125	88	14	21	72	29
4	180	34	49	51	155	244	102	80	21	19	61	22
5	158	34	66	56	138	224	95	54	23	21	67	16
6	131	46	176	44	131	190	88	60	38	27	43	12
7	91	48	155	53	151	160	64	45	16	29	42	33
8	76	25	135	48	195	150	64	41	43	27	20	41
9	71	37	162	48	325	139	58	41	18	45	29	24
10	72	48	140	31	1,180	135	64	29	23	48	54	26
11	48	53	107	38	1,540	113	112	58	27	42	36	25
12	51	44	84	52	1,210	128	107	74	26	31	33	17
13	65	44	66	48	585	73	93	66	23	50	34	19
14	49	44	93	43	346	79	82	59	11	20	31	40
15	46	20	59	35	318	86	125	42	38	27	27	25
16	48	36	52	44	311	81	114	30	18	31	14	53
17	37	40	55	76	241	84	98	32	32	35	29	57
18	29	48	60	190	194	118	91	49	25	24	18	36
19	44	35	60	133	163	220	84	29	31	15	22	32
20	52	34	59	103	154	174	88	37	26	35	18	29
21	54	27	52	102	109	152	74	32	14	24	20	26
22	39	37	49	100	115	131	66	27	33	32	12	28
23	41	98	41	95	132	103	59	43	20	28	11	32
24	44	108	79	52	136	76	54	26	25	28	34	16
25	20	87	140	84	119	68	48	88	23	30	25	33
26	39	86	100	81	154	63	45	84	34	48	26	23
27	54	85	65	73	139	114	59	48	18	74	19	15
28	42	79	40	58	103	234	58	52	18	42	25	28
29	49	59	38	57	.....	194	86	47	32	47	16	29
30	41	58	38	126	.....	181	93	23	24	28	12	17
31	42	.....	48	154	.....	155	.....	37	.....	48	14	.....
1925-26												
1	17	48	55	20	168	239	120	66	54	22	33	46
2	20	53	53	25	133	221	108	61	57	13	50	83
3	27	44	127	31	126	170	101	67	49	12	44	95
4	25	46	235	45	96	134	108	56	46	12	40	69
5	46	42	197	47	63	117	96	54	30	14	37	67
6	49	52	231	49	67	85	86	49	35	43	31	104
7	48	39	192	50	74	234	80	43	44	34	23	308
8	33	35	145	47	66	337	92	27	44	9	16	143
9	28	53	117	36	66	257	138	30	40	25	48	123
10	27	46	93	31	54	206	131	41	35	23	35	172
11	15	47	76	47	50	157	131	33	33	10	25	122
12	43	55	70	43	51	127	109	33	23	30	49	99
13	29	233	66	34	47	102	96	30	16	17	494	83
14	29	149	66	18	53	84	81	39	42	32	414	70
15	38	100	54	29	124	80	83	51	35	33	338	61
16	42	141	53	29	188	72	70	91	27	43	214	58
17	38	134	53	22	158	71	50	153	28	32	158	51
18	48	101	49	74	164	67	44	105	32	34	140	44
19	57	78	40	154	494	66	57	105	22	51	129	44
20	42	63	43	98	430	74	58	105	10	31	103	53
21	44	52	57	99	421	81	55	68	28	24	95	42
22	33	50	58	234	289	89	55	48	27	22	92	40
23	34	55	61	123	190	92	69	45	28	26	88	39
24	20	46	57	110	139	104	50	50	44	38	78	41
25	63	44	51	110	319	93	94	43	45	28	82	31
26	97	28	50	92	704	99	103	43	34	52	90	60
27	67	57	38	73	625	115	103	34	33	41	80	64
28	66	73	48	59	345	102	87	33	47	34	106	33
29	77	61	27	41	.....	103	78	21	28	36	82	40
30	74	61	19	31	.....	90	71	21	27	27	71	49
31	54	.....	42	46	.....	96	.....	39	.....	27	55	.....

Daily discharge, in second-feet, of Assunpink Creek at Trenton, for the years ending September 30, 1923-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1	46	233	160	216	139	203	73	72	48	26	103	215
2	46	215	135	135	124	141	84	65	38	8	135	205
3	46	146	114	126	111	121	89	61	31	6	107	159
4	64	122	113	117	112	114	82	58	22	6	89	142
5	46	104	92	131	99	105	76	60	46	48	55	110
6	62	84	80	120	93	108	96	61	48	27	40	97
7	63	73	78	99	98	108	91	57	44	5	35	80
8	66	67	78	77	97	118	79	50	43	19	104	74
9	39	79	84	65	94	120	69	54	38	30	601	64
10	44	193	87	62	91	115	66	58	30	7	271	47
11	68	170	88	55	92	105	62	93	23	42	188	49
12	50	131	88	48	90	98	55	71	23	9	166	73
13	52	117	91	48	90	94	54	65	40	22	144	48
14	47	106	130	87	94	96	55	53	38	33	126	50
15	48	89	149	94	128	97	54	67	35	22	425	45
16	27	226	120	55	167	93	40	68	40		215	45
17	27	405	108	68	166	93	56	57	36		168	38
18	50	252	88	69	208	82	61	55	22		190	27
19	38	210	73	80	303	81	45	52	71		198	93
20	48	174	63	154	248	86	48	47	133		147	110
21	67	158	64	442	213	94	69	38	102	260	151	85
22	62	135	56	392	182	111	220	38	92		142	65
23	53	128	58	314	215	98	184	48	81		131	60
24	57	99	59	214	297	89	161	35	81		110	41
25	95	85	69	166	316	81	132	85	28		86	37
26	109	101	243	137	503	74	97	101	21	82	85	67
27	128	176	178	95	364	73	86	138	52	74	296	45
28	110	131	367	86	268	77	106	120	30	69	239	46
29	98	120	723	162	.....	76	90	100	19	43	225	48
30	74	173	488	170	.....	74	78	72	11	37	199	45
31	136	.....	302	168	.....	81	.....	53	.....	26	171	.....
1927-28												
1	16	95	147	192	79	156	185	226	66	118	164	76
2	21	94	216	129	76	142	153	203	50	172	105	69
3	54	181	292	114	71	133	129	168	49	115	81	80
4	147	290	252	93	79	123	102	136	64	76	59	90
5	93	231	672	82	158	118	93	120	75	103	56	92
6	75	206	718	71	172	102	86	108	262	339	80	96
7	70	186	561	69	156	100	79	105	210	323	77	179
8	58	163	780	76	574	98	86	92	190	251	128	153
9	103	159	520	86	535	102	76	105	166	201	111	169
10	140	147	344	89	419	122	77	116	155	160	86	141
11	99	134	280	91	290	148	71	109	113	114	72	114
12	99	125	266	97	227	211	123	116	98	92	86	90
13	239	110	245	102	182	222	150	103	89	241	88	78
14	239	108	284	98	176	203	147	94	85	373	88	78
15	236	105	244	106	391	178	172	82	107	410	63	39
16	190	106	256	104	390	151	133	75	110	270	59	50
17	190	119	286	98	307	137	102	71	140	200	107	76
18	681	247	238	95	291	183	89	74	106	145	174	59
19	1,380	198	203	100	253	174	78	131	94	118	162	66
20	1,150	202	179	164	234	172	73	154	88	86	155	76
21	710	204	167	106	202	166	66	156	75	70	117	190
22	445	185	151	87	161	141	131	116	103	80	118	171
23	305	153	135	90	471	123	315	89	110	94	125	153
24	246	128	124	87	415	105	725	78	155	91	100	135
25	211	128	97	196	311	100	458	69	154	92	86	106
26	182	110	95	133	226	102	285	64	129	86	107	85
27	152	106	92	123	191	94	218	70	117	104	93	86
28	109	159	89	114	164	83	429	81	93	280	92	63
29	106	181	97	93	141	81	425	81	87	213	72	60
30	109	170	134	92	.....	197	350	76	105	216	83	84
31	105	.....	144	82	.....	207	.....	76	.....	196	94	.....

NOTE.—Discharge Mar. 9-11, Sept. 18, 19, 1924, and July 16-25, 1927, when recorder was not operating properly, determined by graphic study of daily discharge record and records of flow of nearby streams.

Monthly discharge of Assunpink Creek at Trenton, for the years ending September 30, 1923-1928.

[Drainage area, 89 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1923					
August	33	17	21.9	0.246	0.28
September	88	18	33.7	.379	.42
1923-24					
October	97	15	36.2	0.407	0.47
November	73	18	39.1	.439	.49
December	219	49	106	1.19	1.37
January	603	73	223	2.51	2.89
February	623	71	213	2.39	2.58
March	784	89	237	2.66	3.07
April	1,810	120	333	3.74	4.17
May	637	92	229	2.57	2.96
June	486	69	173	1.94	2.16
July	591	43	118	1.33	1.53
August	545	37	95.5	1.07	1.23
September	356	42	84.2	.946	1.06
The year	1,810	15	157	1.76	23.98
1924-25					
October	380	20	80.7	0.907	1.05
November	108	20	50.3	.565	.63
December	176	38	78.7	.884	1.02
January	190	27	70.4	.791	.91
February	1,540	103	314	3.53	3.68
March	497	63	156	1.75	2.02
April	132	45	85.3	.958	1.07
May	112	23	52.8	.593	.68
June	54	11	26.2	.294	.33
July	74	15	33.2	.373	.43
August	72	11	31.0	.348	.40
September	57	12	27.5	.309	.34
The year	1,540	11	82.4	.926	12.56
1925-26					
October	97	15	42.9	0.482	0.56
November	233	28	69.5	.781	.87
December	235	19	81.4	.915	1.05
January	234	18	62.8	.706	.81
February	704	47	204	2.29	2.38
March	337	66	128	1.44	1.66
April	138	44	86.8	.975	1.09
May	153	21	54.3	.610	.70
June	57	10	34.8	.391	.44
July	52	9	28.2	.317	.37
August	494	16	108	1.21	1.40
September	308	31	77.8	.874	.98
The year	704	9	80.6	.906	12.31
1926-27					
October	136	27	63.4	0.712	0.82
November	405	67	150	1.69	1.89
December	723	56	149	1.67	1.92
January	442	48	137	1.54	1.78
February	503	90	178	2.00	2.08
March	203	73	100	1.12	1.29
April	220	40	85.3	.958	1.07
May	138	35	66.2	.744	.86
June	133	11	45.5	.511	.57
July	.....	6	105	1.18	1.36
August	601	35	172	1.93	2.22
September	215	27	77.0	.865	.96
The year	723	6	110	1.24	16.82

Monthly discharge of Assunpink Creek at Trenton, for the years ending September 30, 1923-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1927-28					
October	1,380	16	257	2.89	3.33
November	290	94	158	1.78	1.99
December	780	89	268	3.01	3.47
January	196	69	105	1.18	1.36
February	574	71	253	2.84	3.06
March	222	81	141	1.58	1.82
April	725	66	187	2.10	2.34
May	226	64	108	1.21	1.40
June	262	49	115	1.29	1.44
July	410	70	175	1.97	2.27
August	174	56	99.6	1.12	1.29
September	190	39	100	1.12	1.25
The year	1,380	16	164	1.84	25.02

North Branch of Rancocas Creek at Pemberton.

LOCATION.—Near highway bridge at Pemberton, Burlington County, 11 miles above confluence with South Branch.

DRAINAGE AREA.—111 square miles.

RECORDS AVAILABLE.—September 15, 1921, to September 30, 1928.

EQUIPMENT.—To June 9, 1923, vertical staff gage on left bank 800 feet downstream from highway bridge; since then, water-stage recorder at same site.

CHANNEL AND CONTROL.—Sand, shifting. River overflows right bank at high stages. This station has a channel control.

REGULATION.—Distribution of flow greatly affected by operation of grist mill at Pemberton and regulation of its pond.

Daily discharge, in second-feet, of North Branch of Rancocas Creek at Pemberton, for the years ending September 30, 1924-1928.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1923-24												
1	77	120	136	172	163	259	259	224	247	182	102	98
2	61	112	136	145	154	202	259	224	202	163	105	94
3	61	112	120	259	163	163	271	213	259	172	94	98
4	58	112	102	235	192	172	336	192	247	154	91	91
5	61	105	154	235	182	172	310	235	202	145	84	88
6	58	98	192	259	380	182	310	284	182	163	67	80
7	56	102	192	172	380	192		213	182	145	67	64
8	56	102	202	163	310	192	900	213	163	145	77	70
9	56	94	172	154	284	202		284	172	145	77	74
10	50	88	154	145	310	172	455	284	172	145	88	91
11	50	88	136	154	259	247	455	310	192	145	94	112
12	61	91	136	136	202	455	365	455	224	128	128	80
13	77	84	136	182	192	590	336	610	259	202	154	88
14	91	88	145	145	182	590	323	610	284	259	128	91
15	61	84	136	145	163	600	284	425	310	271	77	102
16	46	84	136	145	163	380	259	295	297	235	70	94
17	58	91	128	224	145	323	235	297	284	182	61	102
18	53	91	120	247	145	323	323	336	259	154	91	120
19	67	88	110	284	136	259	530	323	235	136	67	120
20	67	84	110	247	600	259	515	284	271	120	70	112
21	77	77	100	235	570	284	515	259	425	128	75	120
22	64	84	100	163	600	213	455	247	470	120	84	112
23	80	94	150	154	570	259	485	259	365	136	67	145
24	154	112	180	136	515	224	455	247	259	136	56	112
25	163	120	150	271	380	247	336	323	235	128	70	105
26	145	105	140	259	350	224	259	323	213	120	172	102
27	136	102	130	336	336	259	235	284	224	98	182	105
28	136	102	160	259	323	271	213	259	224	112	202	112
29	128	102	140	224	259	235	213	297	235	105	163	105
30	120	112	136	192	.....	235	202	323	192	102	128	213
31	120	.....	154	182	.....	247	.....	310	.....	105	120	.....
1924-25												
1	259	91	91	102	271	182	136	163	120	34	365	84
2	365	61	112	105	271	284	136	154	105	38	336	70
3	192	77	102	105	271	259	120	154	77	38	284	56
4	163	67	98	98	247	235	98	182	61	38	224	84
5	172	74	120	94	202	213	102	336	84	74	259	70
6	182	67	172	102	182	202	105	323	67	61	271	58
7	145	80	136	98	192	192	105	213	70	50	284	46
8	172	80	154	98	182	163	105	136	67	58	192	61
9	163	70	154	98	192	154	105	163	58	202	182	67
10	128	77	128	94	235	145	112	128	56	224	182	70
11	182	74	112	94	259	145	145	145	56	154	284	61
12	145	77	98	102	284	145	112	284	48	120	213	58
13	120	80	105	94	259	136	136	145	58	91	145	58
14	105	74	105	94	224	136	128	105	61	74	120	74
15	136	74	105	94	213	128	128	172	70	58	128	67
16	98	80	105	105	202	120	128	98	64	48	120	77
17	120	77	112	112	192	128	105	102	53	105	112	84
18	98	77	105	136	182	145	136	94	53	120	88	91
19	105	67	98	154	182	182	145	77	48	102	98	70
20	105	67	91	192	163	128	163	64	56	91	80	67
21	112	61	91	172	154	136	163	61	88	70	84	64
22	98	120	91	192	145	136	163	61	74	61	112	58
23	98	182	88	202	145	136	154	61	56	98	94	64
24	102	182	163	202	145	128	145	58	56	98	84	56
25	91	154	120	182	145	120	182	70	74	80	67	48
26	91	145	130	192	163	120	192	105	56	120	64	48
27	98	112	136	182	154	136	120	105	48	163	74	46
28	74	94	120	145	154	154	136	105	40	112	64	48
29	91	136	70	202	.....	136	145	128	50	120	64	56
30	80	136	88	310	.....	154	163	145	36	80	64	50
31	74	.....	84	247	.....	154	.....	154	.....	154	70	.....

Daily discharge, in second-feet, of North Branch of Rancocas Creek at Pemberton, for the years ending September 30, 1924-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1925-26												
1	43	77	88	120	182	259	172	154	80	105	120	67
2	70	77	84	120	182	259	192	154	98	102	112	94
3	98	88	88	120	213	224	172	128	105	88	91	136
4	88	84	182	112	182	192	172	112	94	94	80	154
5	120	98	213	136	235	192	163	136	91	105	77	128
6	105	102	192	128	192	163	163	120	98	128	64	136
7	112	77	145	136	202	213	154	105	84	120	64	163
8	105	77	91	128	172	271	172	105	88	120	88	163
9	88	102	112	91	172	284	259	145	128	98	98	145
10	120	98	112	94	172	259	235	120	154	91	77	182
11	77	94	120	88	182	224	224	102	112	112	61	163
12	77	105	105	80	163	224	213	105	94	120	50	145
13	67	224	112	84	145	172	182	120	80	98	74	128
14	61	247	98	77	154	182	172	120	84	112	70	88
15	88	213	84	77	247	154	182	163	120	145	98	84
16	88	192	94	80	271	154	172	235	154	202	120	77
17	91	182	94	74	247	154	145	247	136	182	136	84
18	105	145	94	105	235	154	145	247	105	163	128	74
19	84	136	91	163	395	145	145	235	105	128	128	74
20	70	128	91	154	336	145	128	192	94	105	120	74
21	61	102	102	154	395	136	145	172	91	102	102	70
22	64	98	112	271	336	145	154	136	80	91	105	70
23	94	91	112	202	259	163	172	154	136	84	120	
24	98	70	112	182	259	163	145	163	213	77	105	
25	102	67	105	192	323	145	213	145	247	94	102	
26	136	67	98	154	350	154	213	105	224	112	112	80
27	128	94	102	136	336	154	192	102	202	91	105	
28	120	91	112	136	323	163	172	105	182	77	98	
29	105	67	128	136	.....	163	128	120	154	74	84	
30	77	74	128	120	.....	154	128	112	128	102	74	
31	77	.....	120	120	.....	163	.....	98	.....	112	70	.....
1926-27												
1	90	128	172	235	163	271	182	154	128	70	120	235
2	85	120	154	235	154	247	192	154	172	67	154	271
3	110	105	136	213	163	235	192	154	120	77	136	235
4	90	94	120	192	145	235	172	136	105	70	98	163
5	80	91	105	182	120	247	163	128	136	74	88	145
6	85	84	98	172	128	163	172	136	136	74	80	136
7	85	88	105	154	284	163	182	136	112	67	64	112
8	75	84	105	154	213	163	172	136	84	74	77	112
9	70	102	105	163	70	154	154	136	91	91	455	105
10	70	163	112	136	88	154	136	154	84	98	350	94
11	70	136	112	136	77	136	145	192	80	80	163	105
12	65	172	112	128	74	136	120	213	70	70	163	105
13	65	128	120	112	80	120	136	202	80	67	120	91
14	65	112	145	136	84	112	128	182	91	56	94	94
15	65	105	145	136	112	120	145	154	94	58	235	91
16	70	145	128	136	94	120	163	182	94	58	310	80
17	75	192	128	154	136	105	154	172	91	50	235	80
18	100	202	120	154	182	105	154	192	88	64	395	74
19	105	213	120	145	213	102	128	163	120	88	750	98
20	102	172	112	202	259	105	112	154	192	91	630	112
21	105	145	112	213	271	136	128	112	202	88	310	105
22	105	128	112	224	323	323	172	112	145	80	271	94
23	94	112	112	213	323	395	182	112	105	136	259	88
24	84	105	105	213	310	410	172	102	112	259	235	74
25	112	98	120	192	297	336	145	128	94	247	202	84
26	105	88	202	172	365	224	128	120	80	172	192	80
27	112	163	224	154	336	192	154	145	84	105	336	112
28	91	154	395	136	323	192	172	128	77	88	410	91
29	84	163	515	154	.....	192	172	94	67	88	365	84
30	154	163	395	192	.....	192	120	136	64	67	259	80
31	88	.....	235	259	.....	202	.....	120	.....	88	235	.....

Daily discharge, in second-feet, of North Branch of Rancocas Creek at Pemberton, for the years ending September 30, 1924-1928—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927-28												
1	84	192	172	202	202	271	192	410	163	259	112	163
2	70	192	202	182	202	192	182	380	154	247	105	163
3	74	235	247	172	192	271	172	365	120	323	112	163
4	98	235	247	163	182	224	163	284	128	310	105	154
5	136	235	485	154	259	202	163	213	136	224	128	145
6	91	259	485	154	284	182	154	271	213	610	120	271
7	80	247	440	154	271	192	154	247	310	455	128	395
8	88	224	570	163	455	172	154	310	310	271	120	380
9	202	224	515	154	485	235	172	284	192	284	112	284
10	365	213	425	163	590	213	154	259	297	271	91	235
11	365	163	336	154	500	284	163	310	365	247	105	192
12	284	192	395	154	365	284	224	323	425	247	172	213
13	336	192	380	154	350	297	213	365	336	247	224	98
14	365	120	380	154	323	271	213	323	259	271	154	102
15	395	145	380	145	485	271	202	235	259	336	120	112
16	350	145	350	154	455	259	182	172	224	323	105	128
17	365	136	284	136	500	213	172	213	259	271	145	102
18	610	297	259	145	310	259	172	284	247	213	182	102
19	1,130	297	271	154	365	310	182	213	284	182	213	192
20	1,310	310	259	163	395	310	172	224	172	172	154	395
21	1,110	259	235	154	365	259	192	213	154	213	136	500
22	650	259	224	163	247	235	213	192	247	202	120	365
23	360	213	213	120	410	235	336	172	395	192	105	259
24	500	202	202	136	500	213	590	163	570	172	105	235
25	570	192	192	224	410	213	570	136	271	154	105	235
26	247	154	182	213	440	192	470	145	323	145	136	235
27	172	154	163	213	336	192	365	172	202	128	145	182
28	247	172	163	172	284	172	515	271	182	112	284	120
29	284	182	182	163	259	154	650	284	224	145	284	145
30	192	172	192	202	.....	172	650	213	235	128	192	259
31	192	.....	192	202	.....	202	.....	163	.....	120	192	.....

NOTE.—Daily discharge determined by indirect method. No gage-height record Sept. 11, Nov. 15, Dec. 19-29, 1923; Feb. 20, 22, Mar. 15, Apr. 7-9, Aug. 21, 1924; Mar. 8-11, 26-28, 1925; Sept. 23-30, Oct. 1-19, Dec. 18-20, 24, 25, 1926; Mar. 19, 20, Aug. 20, 21, Oct. 22-24, 1927; and Sept. 25, 1928. Discharge for these periods determined by graphic study of gage height record, precipitation record, and records of nearby streams.

Monthly discharge of North Branch of Rancocas Creek at Pemberton, for the years ending September 30, 1922-1928.

[Drainage area, 111 square miles.]

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1921-22					
October	74	34	52.1	0.649	0.54
November	105	38	75.5	.68	.76
December	94	61	80.6	.726	.84
January	128	58	78.6	.708	.82
February	241	77	133	1.20	1.25
March	259	74	165	1.49	1.72
April	178	46	96.8	.872	.97
May	169	32	85.1	.767	.88
June	112	26	55.4	.499	.56
July	250	70	130	1.17	1.35
August	295	56	126	1.14	1.31
September	105	36	66.8	.602	.67
The year	295	26	95.3	.859	11.67

Monthly discharge of North Branch of Rancocas Creek at Pemberton, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1922-23					
October	80	18	38.7	.349	.40
November	77	30	45.7	.412	.46
December	152	34	69.2	.623	.72
January	405	120	230	2.07	2.39
February	315	112	168	1.51	1.57
March	525	120	271	2.44	2.81
April	335	152	256	2.31	2.58
May	241	88	156	1.41	1.63
June	91	58	76.0	.685	.76
July	102	38	63.6	.573	.66
August	74	22	48.7	.439	.51
September	136	40	66.3	.597	.67
The year	525	18	124	1.12	15.16
1923-24					
October	163	46	82.2	0.741	0.85
November	120	77	97.6	.879	.98
December	202	100	142	1.28	1.48
January	336	136	202	1.82	2.10
February	600	136	297	2.68	2.89
March	600	163	278	2.50	2.88
April	.....	202	396	3.57	3.98
May	610	192	308	2.77	3.19
June	470	163	250	2.25	2.51
July	271	98	151	1.36	1.57
August	202	56	100	.901	1.04
September	213	64	103	.928	1.04
The year	.....	46	200	1.80	24.51
1924-25					
October	365	74	134	1.21	1.40
November	182	61	93.8	.845	.94
December	172	70	112	1.01	1.16
January	310	94	142	1.28	1.48
February	284	145	200	1.80	1.87
March	284	120	159	1.43	1.65
April	192	98	134	1.21	1.35
May	336	58	138	1.24	1.43
June	120	36	63.7	.574	.64
July	224	34	94.7	.853	.98
August	365	64	155	1.40	1.61
September	91	46	63.7	.574	.64
The year	365	34	124	1.12	15.15
1925-26					
October	136	43	90.9	0.819	0.94
November	247	67	112	1.01	1.13
December	213	84	114	1.03	1.19
January	271	74	128	1.15	1.33
February	395	145	245	2.21	2.30
March	284	136	185	1.67	1.92
April	259	128	174	1.57	1.75
May	247	98	144	1.30	1.50
June	247	80	125	1.13	1.26
July	202	74	111	1.00	1.15
August	136	50	94.6	.852	.98
September	182	.....	105	.946	1.06
The year	395	43	135	1.22	16.51

Monthly discharge of North Branch of Rancocas Creek at Pemberton, for the years ending September 30, 1922-1928—Continued.

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926-27					
October	154	65	88.9	0.801	0.92
November	213	84	132	1.19	1.33
December	515	98	161	1.45	1.67
January	259	112	174	1.57	1.81
February	365	70	192	1.73	1.80
March	410	102	193	1.74	2.01
April	192	112	155	1.40	1.56
May	213	94	146	1.32	1.52
June	202	64	107	.964	1.08
July	259	50	92.3	.832	.96
August	750	64	251	2.26	2.61
September	271	74	114	1.03	1.15
The year	750	50	150	1.35	18.42
1927-28					
October	1,310	70	365	3.29	3.79
November	310	120	207	1.86	2.08
December	570	163	297	2.68	3.09
January	224	120	166	1.50	1.73
February	590	182	359	3.23	3.48
March	310	154	231	2.08	2.40
April	650	154	270	2.43	2.71
May	410	136	252	2.27	2.62
June	570	120	255	2.30	2.57
July	610	112	241	2.17	2.50
August	284	91	146	1.32	1.52
September	500	98	217	1.95	2.18
The year	1,310	70	250	2.25	30.67

PERIOD OF RECORDS AT GAGING STATIONS

NOTE.—Dash after a date indicates that station was being maintained September 30, 1928. Period after a date indicates discontinuance.

Hackensack River Basin.

Hackensack River at New Milford, 1921—

Passaic River Basin.

Passaic River at Millington, 1903-1906; 1921—
Passaic River near Chatham, 1902-1911.
Passaic River at Paterson, 1898—
Rockaway River at Boonton, 1903-4; 1906—
Whippany River at Morristown, 1921—
Pompton River:
Ramapo River near Mahwah, 1903-1906; 1908; 1922—
Ramapo River at Pompton Lakes, 1921—
Greenwood Lake at The Glens, 1898-1904; 1907—
Wanaque River at Greenwood Lake, 1919—
Wanaque River at Wanaque, 1903-1905; 1912-1915; 1919—
Pequannock River at Macopin intake dam, 1892—
Saddle River at Lodi, 1923—

Elizabeth River Basin.

Elizabeth River at Elizabeth, 1921—

Rahway River Basin.

Rahway River at Rahway, 1908-1915; 1921—
Robinsons Branch of Rahway River at Goodmans, 1921-1924.

Raritan River Basin.

Raritan River, South Branch (head of Raritan River), near High Bridge, 1919—
Raritan River, South Branch, at Stanton, 1903-1906; 1919—
Raritan River at Manville, 1903-1907; 1908-1915; 1921—
North Branch of Raritan River near Far Hills, 1922—
North Branch of Raritan River at Milltown, 1923—
Black River (head of Lamington River) near Pottersville, 1921—
Millstone River at Blackwells Mills, 1921—
Bound Brook:
Green Brook at Bound Brook, 1923—
Lawrence Brook at Patrick Corner, 1922-1926.

Navesink River Basin.

Navesink River:
Swimming River near Red Bank, 1922—

Absecon River Basin.

Absecon River at Absecon, 1923—

Great Egg Harbor River Basin.

Great Egg Harbor River at Folsom, 1925—

Delaware River Basin.

Delaware River at Port Jervis, N. Y., 1904—
Delaware River at Belvidere, 1922—
Delaware River at Riegelsville, 1906—
Delaware River at Trenton, 1913—
Flat Brook near Flatbrookville, 1923—
Paulins Kill at Blairstown, 1921—
Pequest River at Pequest, 1921—
Beaver Brook near Belvidere, 1922—
Musconetcong River near Hackettstown, 1921—
Musconetcong River near Bloomsbury, 1903-1907; 1921—
Assunpink Creek at Trenton, 1923—
Rancocas Creek:
North Brank of Rancocas Creek at Pemberton, 1921—



Map showing location of sampling points for chemical analyses of waters from New Jersey streams.

ANALYSES OF SURFACE WATERS[a]

The following table gives analyses of typical samples of surface waters of New Jersey. The usual constituents are reported in parts per million. In addition to the determined constituents of the dissolved mineral matter the table gives the calculated hardness, and for some samples, the quantity of suspended matter and the total iron. Nearly all the analyses were made by C. S. Howard, Chemist, United States Geological Survey; exceptions are indicated in footnotes.

The analyses are arranged in the order in which the drainage basins and streams are given in the part of this report on gaging-station records. The following list of streams in alphabetic order shows the number of the analyses in the table for each stream:

Absecon Creek 73–76
Assunpink Creek 111–114
Batsto River 71
Beaver Brook 104–106
Black River 50–52
Coopers Creek 121
Delaware River 79–92
Elizabeth River 25–27
Flat Brook 93–96
Great Egg Harbor River 77
Green Brook 58–61
Hackensack River 1
Haynes Creek 120
Lawrence Brook 62–65
Maurice River 78
Millstone River 53–56
Mount Misery Branch 118
Mullica River 69–70
Musconetcong River 107–110
Passaic River 2–8
Paulins Kill 97–100
Pequannock River 21
Pequest River 101–103
Rahway River 28, 29
Ramapo River 14–18
Rancocas Creek:
North Branch 115–117
South Branch 119
Raritan River 38–41
North Branch 42–49
South Branch 31–37
Robinsons Branch (of Rahway River) 30
Rockaway River 9, 10
Saddle River 22–24
Stony Brook 57
Swimming River 66–68
Wading River 72
Wanaque River 19, 20
Whippany River 11–13

[a]Republished from Water-Supply Paper 596-E, 1927, of the United States Geological Survey.

ANALYSES OF SURFACE WATERS OF NEW JERSEY.

[Analyst C. S. Howard, except as noted. Analyses in parts per million.]

No.	Location	Date	Suspended matter	Total iron	Total disolved solids	Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na+K)	Bicarbonate radicle (HCO_3)	Sulphate radicle (SO_4)	Chloride radicle (Cl)	Nitrate radicle (NO_3)	Total hardness as $CaCO_3$ (calculated)	Discharge in second-feet
1	Hackensack River at Oradell	Nov. 20, 1925	4.9	0.35	117	9.4	0.08	20	5.4	7.5	51	27	9.2	0.87	72	193
2	Passaic River near Millington	Apr. 8, 1924	19	.25	59	5.4	.03	6.0	2.8	3.9	13	16	3.4	Trace	26	980
3		Feb. 5, 1924	.....	.....	80	11	.04	9.8	3.4	Na 5.8; K 1.2	26	26	4.2	1.2	38	67
4		Oct. 15, 1924	.....	.26	90	14	.05	10	3.9	8.9	49	17	5.4	Trace	41	27
5		Aug. 11, 1924	13	.37	84	16	.04	11	4.5	7.6	54	9.8	4.4	1.0	46	9.9
6		Aug. 16, 1923	.....	.84	88	14	.09	12	4.7	7.4	57	8.8	4.8	.51	49	4
7	Passaic River near Wallington*	May 8, 1925	.....	.....	129	7.6	.26	16	6.2	††14	54	29	15	.15	65	.....
8	Passaic River near Belleville	Jan. 19, 1925	.....	.81	255	16	.....	25	9.3	39	72	60	44	.62	101	.....
9	Rockaway River at Boonton	Feb. 7, 1922*	.....	.....	81	6.5	.08	13	5.6	Na 3.6; K 1.0	40	22	5.1	1.1	55	.....
10		Nov. 9, 1923	.....	.15	111	14	.05	16	4.0	10	55	29	6.4	1.3	56	.....
11	Whippany River at Morriston	Nov. 18, 1925	7.8	.11	88	16	.05	11	5.4	6.8	34	22	6.2	2.7	50	54
12		Oct. 15, 1924	.....	.24	100	16	.16	13	4.4	8.4	56	16	7.2	.75	51	16
13		Aug. 31, 1923	.....	.25	100	17	.06	14	4.5	9.2	54	12	8.6	1.4	53	10
14	Ramapo River near Mahwah	Feb. 8, 1924	.....	.....	69	7.8	.10	12	4.1	Na 4.1; K 1.3	35	19	3.2	1.0	47	184
15		Dec. 4, 1924	2.0	.08	90	8.2	.03	15	4.4	8.5	46	21	6.0	.62	56	50
16		Nov. 8, 1923	.....	.11	83	7.8	.02	14	4.8	3.5	37	24	3.9	1.5	55	25
17		Aug. 11, 1924	8.0	.15	106	6.2	.03	18	5.5	6.4	61	20	7.3	1.4	68	23
18	Ramapo River at Pompton Lakes	Nov. 9, 1923	.....	.08	88	12	.02	13	2.9	7.4	35	23	4.1	1.0	44	138
19	Wanaque River at Greenwood Lake	Nov. 22, 1923	.....	.09	45	9.9	.02	5.0	2.0	2.6	13	13	1.9	Trace	21	9
20	Wanaque River at Wanaque	.... do	.....	.06	58	8.5	.02	8.8	4.8	2.6	24	17	2.9	Trace	42	39
21	Pequannock River at Macopin intake dam	.... do	.....	.09	54	4.9	.02	8.2	4.5	2.0	24	15	2.1	Trace	39	.....
22	Saddle River at Lodi	Feb. 7, 1924	.....	.....	86	8.8	.07	16	3.1	Na 5.3; K 1.4	28	30	6.5	2.3	53	248
23		Nov. 20, 1925	4.4	.58	130	9.7	.04	22	6.0	10	50	50	9.2	2.1	80	73
24		Nov. 23, 1923	.....	.33	144	9.9	.03	22	5.7	14	73	35	10	1.5	78	28
25	Elizabeth River at Elizabeth	May 8, 1924†	76	3.5	325	12	.03	44	6.9	41	81	68	56	14	138	31
26		.... do‡	5.2	.52	293	16	.04	50	7.9	26	107	65	34	7.2	157	31
27		Aug. 30, 1923‡	.....	.26	386	13	.09	52	8.4	61	124	64	90	3.8	164	.4

28	Rahway River at Rahway	Feb. 7, 1924	29	.52	139	11	.....	20	3.8	Na 11 K 1.9	30	49	14	2.3	66	79
29		Aug. 30, 1923	.....	.17	241	12	.04	41	6.4	30	110	56	30	.56	129	10
30	Robinsons Branch of Rahway River at Goodmans	Aug. 17, 1923	.....	.21	157	16	.06	34	5.4	5.5	105	25	5.9	1.2	107	1.2
31	South Branch of Raritan River	Mar. 21, 1925	3.8	.15	67	4.3	.03	.....	.....	4.4	34	8.4	2.3	.40	**34	227
32	near High Bridge	Oct. 16, 1924	.....	.06	89	13	Trace	14	7.3	5.8	§78	7.7	3.0	.73	65	47
33		Aug. 29, 1923	.....	.28	94	14	.03	16	4.8	8.8	89	5.1	2.9	.90	60	31
34	South Branch of Raritan River at	Mar. 24, 1925	5.5	.18	80	15	.04	11	4.0	7.1	40	16	3.0	1.2	44	422
35	Stanton	July 16, 1924	7.8	.13	90	8.0	.03	15	6.0	5.2	68	11	2.9	.75	62	106
36		Oct. 16, 1924	.....	.....	90	9.3	.08	15	6.9	6.3	78	10	4.4	1.5	66	80
37		Aug. 29, 1923	.....	.32	101	15	.08	16	5.1	8.4	82	8.2	3.1	.75	61	50
38	Raritan River at Manville	Mar. 21, 1925	28	.36	84	14	.11	19	3.1	2.8	28	28	3.5	2.1	60	1,600
39		Feb. 4, 1924	.....	.....	88	12	.05	12	3.2	Na 12 K 1.4	44	27	3.0	2.1	43	610
40		Oct. 14, 1924	.....	.13	107	8.0	Trace	17	6.7	9.3	68	24	3.6	.54	70	158
41		Aug. 12, 1923	.....	.32	105	7.0	.03	18	6.8	9.5	§71	19	5.8	.86	73	62
42	North Branch of Raritan River near Far Hills	Feb. 5, 1924	.....	.....	68	14	.02	8.2	3.0	Na 5.4 K 1.0	33 33	12	2.9	.6	33	134
43		Aug. 13, 1924	4.0	.17	72	15	.03	10	3.9	5.8	46	9.5	3.3	1.1	41	19
44		July 16, 1924	4.8	.10	90	9.7	.02	14	7.9	4.2	74	8.9	2.5	.55	67	17
45		Aug. 16, 1923	.....	.19	74	14	.03	10	4.2	4.1	46	8.0	3.9	Trace	42	5
46	North Branch of Raritan River at Milltown	Apr. 8, 1924	254	.43	71	11	.03	9.0	5.3	3.3	22	19	2.8	4.8	44	1,290
47		Feb. 5, 1924	434	.85	86	9.9	.03	12	4.5	Na 4.8 K 2.9	27	30	3.5	3.6	48	480
48		Mar. 24, 1925	6.8	.15	84	22	.03	13	4.2	7.1	35	26	4.5	.77	50	390
49		Aug. 29, 1923	89	1.4	115	14	.10	18	5.6	8.6	67	23	4.5	1.0	68	102
50	Black River near Pottersville	Feb. 5, 1924	.....	.....	80	10	.10	12	4.6	Na 5.5 K .8	32	25	3.7	2.7	49	88
51		Aug. 13, 1924	11	.19	104	11	.03	15	6.1	6.3	49	28	3.2	1.9	63	35
52		Aug. 31, 1923	.....	.13	162	19	.05	23	9.2	7.8	55	57	6.1	1.4	95	11
53	Millstone River at Blackwells Mills	Feb. 4, 1924	.....	.21	76	11	.....	7.8	2.7	Na 7.2 K 1.6	17 17	26	5.8	2.5	31	260
54		May 8, 1924	10	.15	68	4.4	Trace	8.4	3.6	7.0	23	21	5.7	1.7	36	260
55		Oct. 9, 1924	.....	.15	77	9.2	.04	9.4	3.3	6.7	26	23	7.4	1.5	37	226
56		Aug. 12, 1923	.....	.41	90	6.6	.04	12	4.1	6.7	37	21	7.0	1.9	47	21
57	Stony Brook near Princeton	Aug. 12, 1925	.....	.21	97	5.5	.13	15	4.2	11	48	22	8.8	Trace	55	.....
58	Green Brook at Bound Brook	Mar. 28, 1925	42	1.7	119	14	.29	15	4.4	8.9	20	39	9.6	.87	56	150
59		Feb. 4, 1924	.....	.57	162	14	.....	23	5.0	Na 14 K 1.9	45	51	14	8.8	78	48
60		Oct. 14, 1924	.....	.39	214	13	.11	32	7.9	25	78	56	27	.93	112	28
61		Sept. 28, 1923	.....	.72	322	19	.04	44	10	38	82	86	40	12	151	13
62	Lawrence Brook at Patricks Corner	Apr. 11, 1924	1.2	.16	54	3.8	.02	3.7	2.9	4.8	4.9	18	3.6	.67	21	56

ANALYSES OF SURFACE WATERS OF NEW JERSEY—Continued.

No.	Location	Date	Suspended matter	Total iron	Total disolved solids	Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate radicle (HCO_3)	Sulphate radicle (SO_4)	Chloride radicle (Cl)	Nitrate radicle (NO_3)	Total hardness as $CaCO_3$ (calculated)	Discharge in second-feet
63		Feb. 4, 1924....	.....	.....	51	7.2	.07	4.2	1.7	Na 5.5 K 1.2	4.9	19	4.2	1.7	17	25
64		Oct. 9, 1924....	.....	.25	50	6.7	.14	2.7	1.3	5.4	6.1	14	6.1	.84	12	15
65		Aug. 30, 1923...	.....	.92	40	7.1	.17	3.0	1.2	5.9	9.8	5.6	5.4	.59	12	2
66	Swimming River near Red Bank..	Feb. 6, 1924....	581	3.7	68	5.1	.32	10	1.3	Na 7.9 K 1.9	20	22	5.4	2.6	30	486
67		Aug. 30, 1923...	.....	1.3	89	15	.08	17	2.3	5.3	40	15	6.9	.51	52	37
68		Oct. 10, 1924...	.....	.42	87	11	.03	14	2.5	6.3	39	18	8.6	.77	45	31
69	Mullica River near Atsion.....	May 21, 1925...	5.0	.23	22	1.4	.04	1.6	.3	3.3	1.2	4.1	2.8	Trace	5.2	.....
70	Mullica River near Pleasant Mills..	July 22, 1925...	5.3	.25	43	9.3	.05	1.6	.6	5.7	6.1	7.0	5.5	.46	6.5	.....
71	Batsto River near Batsto.....	..... do	1.0	.75	27	4.5	.40	1.6	.2	4.0	4.9	4.2	2.8	.60	4.8	.....
72	East Branch of Wading River near Jenkins.....	July 22, 1925...	2.2	0.28	36	11	.04	1.6	0.6	3.5	1.2	7.4	3.7	0.58	6.5	.....
73	Absecon Creek at Absecon.....	Nov. 27, 1923...	.....	.06	31	3.3	.02	1.8	1.9	4.6	6.1	6.5	4.1	Trace	12	.....
74		Apr. 25, 1924...	.....	.09	36	4.7	.03	2.3	1.2	4.1	6.1	4.8	4.8	Trace	11	48
75		May 22, 1925...	5.5	.13	27	2.2	.03	2.0	.5	3.9	1.2	4.3	5.5	Trace	7.0	19
76		Apr. 17, 1924...	.....	.05	24	2.0	.02	1.6	.7	4.5	1.2	4.3	9.0	Trace	6.9	14
77	Great Egg Harbor River near Folsom	July 21, 1925...	1.7	.23	27	5.1	.04	1.8	.4	3.0	3.7	4.7	3.1	1.0	6.1	.....
78	Maurice River near Malaga.....	July 22, 1925...	1.2	.26	39	4.9	.06	2.0	.8	7.1	12	5.6	5.8	.42	8.3	.....
79	Delaware River at Belvidere.....	Apr. 10, 1926...	62	.21	54	3.8	.04	7.4	3.4	Na 3.3 K 1.1	30	13	1.8	.36	32	42,800
80		Mar. 5, 1925....	16	.23	121	6.3	.03	20	11	3.4	88	24	2.8	.63	95	10,600
81		Sept. 30, 1923...	.....	.12	52	4.2	.04	8.9	3.3	3.2	24	12	1.7	Trace	36	2,290
82		Sept. 25, 1924...	.....	.07	73	5.0	.03	15	4.6	6.7	57	12	2.8	.57	56	1,500
83	Delaware River at Riegelsville....	Apr. 10, 1926...	112	.54	41	6.1	.04	6.7	1.6	Na 2.7 K 1.0	20	12	1.3	.29	23	46,300
84		Mar. 4, 1925....	24	.53	61	5.1	.03	9.9	3.3	2.6	22	18	2.4	1.1	38	18,000
85		Aug. 14, 1924...	6.6	.14	98	5.0	.02	17	5.6	6.5	48	30	3.8	2.0	65	3.200
86		Sept. 30, 1923...	.....	.19	72	3.5	.02	13	5.1	4.5	37	18	3.4	.32	53	2,960
87	Delaware River at Lambertville‖..	Nov. 20-29, 1906.	9.2	.2	46	6.0	Trace	7.8	1.0	4.9	28	9.2	1.8	.8	24	¶13,100
88		Sept. 18-26, 1906	15	.1	87	12	Trace	16	5.2	6.9	63	13	3.1	.5	61	¶3,500
89		1906-07	26	.6	70	9.0	.07	12	3.3	5.4	46	12	2.9	1.1	44	¶8,450
90	Delaware River at Trenton.....	Apr. 19, 1924...	101	.41	66	8.8	.05	8.4	2.2	5.3	23	19	2.0	1.6	30	26,500
91		Sept. 26, 1923...	.....	.33	82	4.0	.02	17	5.3	5.4	44	26	4.4	.52	64	6,400

92		Oct. 29, 1924....	.....	.10	84	3.8	.05	16	5.2	4.3	45	26	2.0	.67	61	2,710
93	Flat Brook near Flatbrookville...	Dec. 9, 1924....	.....	.11	66	5.0	.03	12	3.1	3.7	33	18	2.9	.45	43	168
94		Nov. 23, 1924....	.....	.16	85	4.7	.03	16	4.1	4.8	46	18	5.7	.85	57	116
95		Oct. 23, 1924....	.....	.12	86	4.6	.03	17	4.6	4.5	60	15	2.8	Trace	61	36
96		Sept. 30, 1923...	.....	.10	108	5.8	.02	25	6.7	3.7	§88	18	1.5	Trace	90	11
97	Paulins Kill at Blairstown.....	Feb. 13, 1925...	16	.24	75	5.6	.03	12	4.3	4.8	37	20	2.6	1.3	48	1,060
98		Mar. 5, 1925....	14	.18	128	5.8	.03	25	5.4	7.9	90	23	3.0	.98	85	286
99		Apr. 21, 1925....	2.6	.12	‡‡130	9.3	.03	18	9.4	16	100	25	2.9	Trace	84	142
100		Sept. 30, 1923...	.....	.12	149	6.9	.03	30	11	6.3	§120	24	4.2	Trace	120	40
101	Pequest River at Pequest.....	Mar. 21, 1925...	24	.18	167	10	.03	32	12	5.1	122	31	2.5	.78	129	277
102		Sept. 25, 1924...	.....	.....	184	8.3	Trace	39	18	5.0	§190	21	3.2	Trace	171	27
103		Aug. 22, 1923...	.....	.....	193	8.5	.03	37	17	8.5	§186	16	2.7	1.0	162	25
104	Beaver Brook near Belvidere.....	Mar. 6, 1925...	6.4	.18	137	5.8	.03	28	9.8	4.1	110	27	3.0	.90	110	110
105		Aug. 22, 1923...	.....	.....	178	5.0	.03	35	12	6.8	§158	28	2.8	50	137	5.7
106		Sept. 25, 1924...	.....	.....	200	14	.03	39	16	6.1	§178	28	2.8	Trace	163	4.6
107	Musconetcong River near Hack-	May 10, 1924 ...	4.0	.17	66	5.7	.03	9.7	3.7	5.2	35	19	1.1	.66	39	304
108	ettstown	Aug. 13, 1924...	3.4	.17	72	6.4	.05	11	4.7	4.9	41	18	4.4	Trace	47	85
109		Sept. 30, 1923...	.....	.18	86	7.7	.02	14	5.4	7.2	49	21	3.8	Trace	57	30
110	Musconetcong River near Blooms-															
	bury	..... do	.....	.18	120	7.3	.02	23	10	5.4	110	14	3.5	1.5	98	59
111	Assunpink Creek at Trenton.....	Apr. 19, 1924...	51	.77	70	6.2	.39	7.8	3.4	4.4	9.8	22	5.8	.81	33	737
112		Mar. 28, 1925...	82	.87	91	8.2	.04	13	2.1	8.0	12	31	7.8	.90	41	234
113		Oct. 29, 1924....	.....	1.2	162	10	.50	20	6.3	20	67	43	15	.67	76	49
114		Aug. 12, 1923...	.....	2.2	117	7.1	.06	16	5.3	14	38	34	14	Trace	62	20
115	North Branch of Rancocas Creek	May 12, 1924...	3.3	.22	36	2.4	.05	2.3	1.2	2.1	Trace	8.6	2.5	Trace	11	455
116	at Pemberton.....	Oct. 8, 1924.....	.....	.49	31	3.8	.04	2.2	.9	2.4	1.2	6.0	3.9	Trace	9.2	172
117		Sept. 26, 1923..	.....	.26	38	4.0	.03	2.8	1.4	3.3	Trace	14	3.2	Trace	13	98
118	Mount Misery Branch near New															
	Lisbon	Dec. 3, 1924....	.....	.13	28	4.8	.03	1.6	1.0	2.8	Trace	7.9	3.8	Trace.	8.1	.....
119	South Branch of Rancocas Creek															
	near Eayrestown.....	.... do	.....	.20	52	6.1	.03	4.8	1.7	2.8	3.7	14	4.7	Trace	19	.....
120	Haynes Creek at Eayrestown.....	.... do	.....	.23	58	7.6	.04	8.6	1.8	6.8	16	17	6.2	Trace	29	.....
121	Coopers Creek near Haddonfield..	July 22, 1925...	46	.87	78	13	.50	10	2.4	5.4	26	17	4.8	.51	35	.....

* Analyzed by Margaret D. Foster, U. S. Geological Survey.
† Above reservoir.
‡ Below reservoir.
§ Includes equivalent of a small amount of carbonate.
‖ Minimum, maximum, and mean analyses from U. S. Geological Survey Water-Supply Paper 236, p. 60.
¶ Discharge measured at Riegelsville.
** Determined.
†† Calculated.
‡‡ Sum of dissolved constituents.

INDEX

A. PAGE

Absecon Creek at Absecon 187–191
analyses of water of 296
Accuracy of data and results, degrees of 5
Acknowledgments 6
Analyses of surface waters 293–297
Assunpink Creek at Trenton 280–285
analyses of water of 297
Atlantic City Water Department, co-operation by 187

B.

Batsto River near Batsto 186–187
analysis of water of 295
Beaver Brook near Belvidere ... 262–268
analysis of water of 297
Belvidere, Beaver Brook near ... 262–268
Delaware River at 211–215
Black River near Pottersville ... 163–168
analyses of water of 295
Blackwells Mills, Millstone River at 168–173
Blairstown, Paulins Kill at 250–256
Bloomsbury, Musconetcong River near 274–280
Boonton, Jersey City waterworks at, diversion 46
Rockaway River at 46–53
Bound Brook, Green Brook at ... 174–175
Bureau of Water, Newark, co-operation by 102

C.

Canoe Brook well field, diversion through 21
by Commonwealth Water Co., 21
by East Orange waterworks, 21
Chatham, Passaic River near ... 19–21
Commonwealth Water Co., diversion by 21
Computations, results of, accuracy of 5
Control, definition of 4
Cook, John H., co-operation by, 21, 46, 71
Co-operation, record of 6
Coopers Creek near Haddonfield, analysis of water of 297
Critchlow, Howard T. 6

D.

Data, accuracy of 5
explanation of 2–3
Delaware and Raritan Canal at Blackwells Mills, seepage from, 168
at Trenton, diversion through, 232

PAGE

Delaware River—
at Belvidere 211–215
analyses of water of ... 296
at Iambertville, analyses of water of 296
at Port Jervis, N. Y. 195–210
at Riegelsville 216–232
analyses of water of.... 296
at Trenton 232–245
analyses of water of ... 296
Delaware River basin, analyses of surface waters of 296–297
gaging-station records in ... 195–290
Discharge table, daily, gives 2
monthly, gives 3

E.

East Jersey Water Co., co-operation by 46
East Orange waterworks, diversion by 21
Elizabeth River at Elizabeth ... 113–119
analyses of water of 294
Elizabethtown Water Co., diversion by 113, 119, 174

F.

Far Hills, North Branch of Raritan River near 152–157
Finderne, Raritan River at 145
Flat Brook near Flatbrookville.. 246–250
analyses of water of 297
Folsom, Great Egg Harbor River at 192–194

G.

Goodmans, Robinsons Branch of Rahway River at 125–127
Great Egg Harbor River at Folsom 192–194
analysis of water of 296
Green Brook at Bound Brook ... 174–175
analyses of water of 295
Greenwood Lake at The Glens .. 71–85
Wanaque River at 86–92

H.

Hackensack River basin, analysis of water of 294
gaging-station record in 7–12
Hackensack River at New Milford, 7–12
at Oradell, water analysis of, 294
Hackensack Water Co., co-operation by 7

PAGE

Hackettstown, Musconetcong River near 268–274
Harrington, A. W. co-operation by, 195
Hartwell, O. W., and assistants, work of 6
Haynes Creek at Eayerstown, analysis of water of 297
High Bridge, South Branch of Raritan River near 128–136
Howard, C. S., analyst 293–294
Hummock pumping station of Elizabethtown Water Co., diversion by 113

I.

Introduction 1

J.

Jersey Central Power and Light Co., co-operation by 66
Jersey City, Department of Streets and Public Improvements, co-operation by 6, 21, 46
diversion by 46
Johns-Manville Co., diversion by, 145

L.

Lake Hopatcong, effect of storage in 268
Lawrence Brook at Patricks Corner 175–179
analyses of water of 295–296
Lodi, Saddle River at 109–113

M.

Macopin intake dam, diversion by Newark waterworks at 102
Pequannock River at 102–108
Mahwah, Ramapo River near ... 59–66
Manville, Raritan River at 145–152
Maurice River near Malaga, analysis of water of 296
Methods of computing flow 2
Middlesex Water Co., well field of, 174
Millington, Passaic River near ... 13–19
Millstone River at Blackwells Mills 168–173
analyses of water of 295
Milltown, North Branch of Raritan River at 158–162
Monmouth Consolidated Water Co., co-operation by 180
diversion by 180
Morris Canal and Banking Co., co-operation by 71
Morris Canal, diversion by 268
Morristown, Department of Public Works, co-operation by 53
Whippany River at 53–59
Mount Misery Branch near New Lisbon, analysis of water of .. 297
Mullica River basin, analysis of surface waters of 296
gaging-station record in 186–187

PAGE

Mullica River near Atsion, analysis of water of 296
near Pleasant Mills, analysis of water of 296
Musconetcong River, analyses of water of 297
near Bloomsbury 274–280
analysis of water of ... 297
near Hackettstown 268–274
analyses of water of ... 297

N.

Navesink River basin, analysis of surface waters of 66
gaging-station record in ... 180–185
Newark, at Macopin intake dam, diversion by 102
Bureau of Water, co-operation by 21, 102
New Milford, Hackensack River at 7–12
North Jersey District Water Supply Commision, co-operation by, 86, 93

O.

Oradell reservoir on Hackensack River, effect of storage in 7
Orange Water Co., diversion by .. 119

P.

Passaic Consolidated Water Co., co-operation by 21
Passaic River—
at Millington 13
at Paterson 21–45
near Belleville, analysis of water of 294
near Chatham 19–21
near Millington 13–19
analyses of water of 294
near Wallington, analysis of water of 294
Passaic River basin, analysis of surface waters of 294
gaging-station records in 13–113
Paterson, Passaic River at 21–45
Patricks Corner, Lawrence Brook at 175–179
Paulins Kill at Blairstown 250–256
analyses of water of 297
Pemberton, North Branch of Rancocas Creek at 285–290
Pennsylvania Canal at Riegelsville, diversion by 216
near Trenton, diversion by ... 232
Pequannock River at Macopin intake dam 102–108
analysis of water of 294
Pequest River at Pequest 256–262
analyses of water of 297
Pompton Lakes, Borough of, co-operation by 66
Ramapo River at 66–71

PAGE
Port Jervis, N. Y., Delaware River at 195–210
Pottersville, Black River near... 163–168

R.

Rahway River—
at Rahway 119–125
analyses of water of... 295
Robinsons Branch of, at Goodmans 125–127
analysis of water of.... 295
Rahway River basin, analyses of surface waters of 295
gaging-station records in.... 119–127
Rahway waterworks, diversion by, 119
Ramapo River—
at Pompton Lakes 66–71
analysis of water of.... 294
near Mahwah 59–66
analyses of water of... 294
Rancocas Creek—
North Branch of, at Pemberton 285–290
analyses of water of.... 297
South Branch of, near Eayerstown, analysis of water of 297
Raritan River—
at Manville 145–152
analyses of water of.... 295
North Branch of, at Milltown 158–162
analyses of water of.... 295
near Far Hills 152–157
analyses of water of ... 295
South Branch of, at Stanton, 136–144
analyses of water of ... 295
near High Bridge 128–136
analyses of water of ... 295
Raritan River basin, analyses of surface waters of 295–296
gaging-station records in.... 128–179
Rating table, use of 2
Red Bank, Swimming River near, 180–185
Riegelsville, Delaware River at.. 216–232
Robinsons Branch of Rahway River at Goodmans 125–127
analysis of water of..... 295
Rockaway River at Boonton.... 46–53
analyses of water of..... 294
Run-off in inches, definition of.. 4

S.

Saddle River at Lodi 109–113
analyses of water of..... 294
Second-feet, definition of 4
Second-feet per square mile, definition of 4
Short Hills Water Co., diversion by 119
Somerset Lake and Game Club, co-operation by 152
South Orange, diversion by 119
Stage, records of, how obtained.. 2
Stage-discharge relation, definition of 4
Stanton, South Branch of Raritan River at 136–144
Stony Brook near Princeton, analysis of water of 295
Swimming River near Red Bank, 180–185
analyses of water of 296

T.

Tainter, F. S., co-operation by.. 152
Taylor-Wharton Iron and Steel Co., co-operation by 128
Terms, definition of 4
The Glens, Greenwood Lake at.. 71–85
The Society for Establishing Useful Manufactures, co-operation by 21, 71
Tintern Manor Water Co., co-operation by, diversion by..... 180
Trenton, Assunpink Creek at.... 280–285
Delaware River at 232–245
Trenton Power Canal, diversion by 232
Trumbore, Frank, co-operation by, 187

U.

United States Geological Survey, co-operation by 1, 195, 232
United States Weather Bureau, co-operation by 6, 232

V.

Van Gilder, L., co-operation by.. 187

W.

Wading River, East Branch of, near Jenkins, analysis of water of 296
Wanaque River—
at Greenwood Lake 86–92
analysis of water of ... 294
at Wanaque 93–101
analysis of water of.... 294
Warren Manufacturing Co., co-operation by 274
Whippany River at Morristown.. 53–59
analyses of water of... 294