UNITED STATES DEPARTMENT OF THE INTERIOR

SURFACE WATER SUPPLY *of the* UNITED STATES 1927

PART I
NORTH ATLANTIC SLOPE DRAINAGE BASINS

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 641

UNITED STATES DEPARTMENT OF THE INTERIOR
RAY LYMAN WILBUR, Secretary
GEOLOGICAL SURVEY
GEORGE OTIS SMITH, Director

Water-Supply Paper 641

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PART I

NORTH ATLANTIC SLOPE DRAINAGE BASINS

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ILLUSTRATION

SURFACE WATER SUPPLY OF NORTH ATLANTIC SLOPE DRAINAGE BASINS, 1927

AUTHORIZATION AND SCOPE OF WORK

This volume is one of a series of 14 reports presenting results of measurements of flow made on streams in the United States during the year ending September 30, 1927.

The data presented in these reports were collected by the United States Geological Survey under the following authority contained in the organic law (20 Stat. L., p. 394):

Provided, That this officer [the Director] shall have the direction of the Geological Survey and the classification of public lands and examination of the geological structure, mineral resources, and products of the national domain.

The work was begun in 1888 in connection with special studies relating to irrigation. Since the fiscal year ending June 30, 1895, successive appropriation bills passed by Congress have carried the following items:

For gaging the streams and determining the water supply of the United States and for the investigation of underground currents and artesian wells, and for the preparation of reports upon the best methods of utilizing the water resources.

Annual appropriations for the fiscal years ending June 30, 1895–1928

1895	$12,500.00	1918	$175,000.00
1896	24,500.00	1919	148,244.10
1897–1899	50,000.00	1920	175,000.00
1900	70,000.00	1921–1923	180,000.00
1901–2	100,000.00	1924–25	170,000.00
1903–1906	200,000.00	1926	165,000.00
1907	150,000.00	1927	151,000.00
1908–1910	100,000.00	1928	147,000.00
1911–1917	150,000.00		

In the execution of the work many private and State organizations have cooperated either by furnishing data or by assisting in collecting data. Acknowledgments for cooperation of the first kind are made in connection with the description of each station affected; cooperation of the second kind is acknowledged on pages 9 and 10.

Measurements of stream flow have been made at about 5,330 points in the United States and also at many points in Alaska and the Hawaiian Islands. In July, 1927, 1,750 gaging stations were

being maintained by the Geological Survey and the cooperating organizations. Many miscellaneous discharge measurements were made at other points. In connection with this work data were also collected in regard to precipitation, evaporation, storage reservoirs, river profiles, and water power in many sections of the country and will be made available in water-supply papers from time to time.

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, gallons per minute, miner's inches, 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 cubic feet. The principal terms used in this series of reports are second-feet, second-feet per square mile, run-off in inches, and acre-feet. 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 1 foot wide and 1 foot deep at an average velocity of 1 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.

An "acre-foot," equivalent to 43,560 cubic feet, is the quantity required to cover an acre to the depth of 1 foot. The term is commonly used in connection with storage for irrigation.

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.

EXPLANATION OF DATA

The data presented in this report cover the year beginning October 1, 1926, and ending September 30, 1927. At the beginning of January in most parts of the United States much of the precipita-

tion in the preceding three months is stored in the form of snow or ice, or in ponds, lakes, and swamps, or as underground water 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 or chain gage, or from a water-stage recorder that gives a continuous record of the fluctuations. Meas-

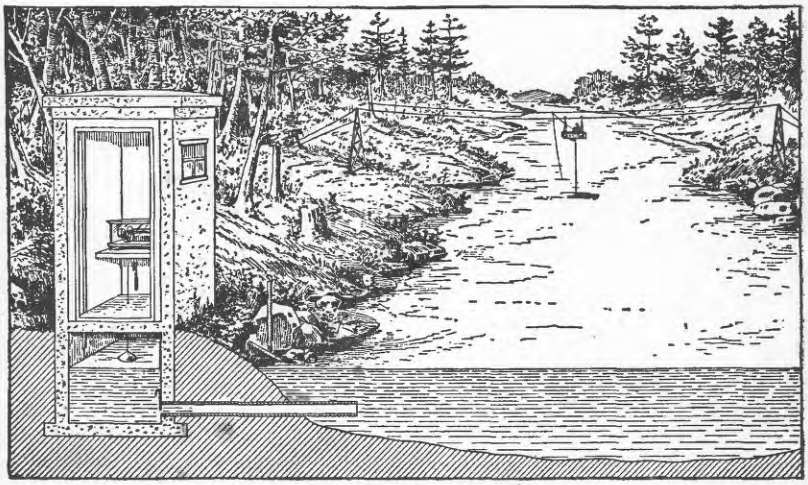

FIGURE 1.—Typical gaging station

urements of discharge are made with a current meter. The general methods are outlined in standard textbooks on the measurements of river discharge. A typical gaging station, equipped with water-stage recorder and measuring cable and car, is shown in Figure 1.

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 type of gage, information as to diversions that decrease the flow at the gage, artificial regulation, maximum and

minimum recorded stages, and the accuracy of the records. The maximum discharge given under "Extremes" does not represent the crest discharge unless a water-stage recorder was in operation or, unless a nonrecording gage was read at the time of the crest.

The table of daily discharge gives, in general, the discharge in second-feet corresponding to the daily gage height, which may be once-daily reading or the mean of twice-daily readings of a nonrecording gage, or the mean daily gage height obtained from water-stage recorder graph.

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. If such stations are equipped with water-stage recorders the mean daily discharge may be obtained by averaging discharge at regular intervals during the day, or by using the discharge integrator, an instrument for obtaining mean daily discharge from a continuous gage-height graph and containing as an essential element the rating curve of the station.

In the table of monthly discharge the column headed "Maximum" gives the maximum daily discharge, and not the discharge when the water surface was at crest height. Likewise, in the column headed "Minimum" the quantity given is the minimum daily discharge. The column headed "Mean " is the average flow in cubic feet per second during the month. On this average flow are based computations recorded in the remaining columns, which are defined on page 2.

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 station description gives a statement in regard to the general accuracy of the records. "Excellent" indicates that records are accurate within 5 per cent; "good," within 10 per cent; "fair," within 15 per cent; and "poor," 20 per cent or more.

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 gross errors caused by the inclusion of large noncontributing districts in the measured drainage area, by lack of information concerning water diverted for irrigation or other use, or by inability to interpret the effect of artifical 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 computations are also omitted for stations on streams draining areas in which the annual rainfall is less than 20 inches. All figures

representing "second-feet per square mile" and "run-off in inches" published by the Geological Survey in earlier reports should be used with caution because of possible inherent but unknown sources of error.

Many gaging stations on streams in the irrigated areas of the United States are located above most of the diversions from those streams, and the discharge recorded does not show the water supply available for further development, as prior appropriations below the stations must be satisfied first.

The table of monthly discharge gives a general idea of the flow at the station. The table of daily discharge allows 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.

PUBLICATIONS

Investigation of water resources by the United States Geological Survey has consisted in large part of measurements of the volume of flow of streams and studies of the conditions affecting that flow, but it has comprised also investigations of such closely allied subjects as irrigation, water storage, water powers, underground waters, and quality of waters. Most of the results of these investigations have been published in the series of water-supply papers, but some have appeared in the bulletins, professional papers, monographs, and annual reports.

The results of stream-flow measurements are now published annually in 12 parts, each part covering an area whose boundaries coincide with natural-drainage features, as indicated below:

Part I. North Atlantic slope basins (St. John River to York River).
II. South Atlantic slope and eastern Gulf of Mexico basins (James River to the Mississippi).
III. Ohio River Basin.
IV. St. Lawrence River Basin.
V. Hudson Bay and upper Mississippi River Basins.
VI. Missouri River Basin.
VII. Lower Mississippi River Basin.
VIII. Western Gulf of Mexico basins.
IX. Colorado River Basin.
X. The Great Basin.
XI. Pacific slope basins in California.
XII. North Pacific slope basins, in three parts:
A, Pacific slope basins in Washington and upper Columbia River Basin.
B, Snake River Basin.
C, Pacific slope basins in Oregon and lower Columbia River Basin.

Water-supply papers and other publications of the United States Geological Survey containing data in regard to the water resources

of the United States may be obtained or consulted as indicated below:

1. Copies may be purchased at nominal cost from the Superintendent of Documents, Government Printing Office, Washington, D. C., who will, on application, furnish lists giving prices.

2. Sets of the reports may be consulted in the libraries of the principal cities in the United States.

3. Sets are available for consultation in the local offices of the water-resources branch of the Geological Survey, as follows:

Augusta, Me., Statehouse.
Boston, Mass., 2500 Customhouse.
Hartford, Conn., 60 Washington Street.
Albany, N. Y., 506 Broadway-Arcade Building.
Trenton, N. J., 710 Trenton Trust Building.
Charlottesville, Va., Brooks Museum, University of Virginia.
South Charleston, W. Va., Naval Ordnance Plant.
Asheville, N. C., 210 Post Office Building.
Chattanooga, Tenn., 630 Power Building.
Tuscaloosa, Ala., Post Office Building.
Columbus, Ohio, Engineering Experiment Station, Ohio State University.
Chicago, Ill., 1503 Consumers Building.
Madison, Wis., 337N State Capitol.
St. Paul, Minn., 202 Old State Capitol.
Topeka, Kans., 23 Federal Building.
Rolla, Mo., Rolla Building, School of Mines and Metallurgy.
Fort Smith, Ark., Post Office Building.
Austin, Tex., State Capitol.
Tucson, Ariz., 210 Post Office Building.
Denver, Colo., 403 Post Office Building.
Salt Lake City, Utah, 313 Federal Building.
Idaho Falls, Idaho, 228 Federal Building.
Boise, Idaho, Federal Building.
Helena, Mont., 416 Power Block.
Tacoma, Wash., 406 Federal Building.
Portland, Oreg., 606 Post Office Building.
San Francisco, Calif., 303 Customhouse.
Los Angeles, Calif., 751 South Figueroa Street, room 510.
Honolulu, Hawaii, Territorial Office Building.

A list of the Geological Survey's publications may be obtained by applying to the Director, United States Geological Survey, Washington, D. C.

Stream-flow records have been obtained at about 5,330 points in the United States, and the data obtained have been published in the reports tabulated on pages 7 and 8.

Stream-flow data in reports of the United States Geological Survey

[A = Annual Report; B = Bulletin; W = Water-Supply Paper]

Report	Character of data	Year
10th A, pt. 2	Descriptive information only	
11th A, pt. 2	Monthly discharge and descriptive information	1884 to Sept., 1890.
12th A, pt. 2	do	1884 to June 30, 1891.
13th A, pt. 3	Mean discharge in second-feet	1884 to Dec. 31, 1892.
14th A, pt. 2	Monthly discharge (long-time records, 1871 to 1893)	1888 to Dec. 31, 1893.
B 131	Descriptions, measurements, gage heights, and ratings	1893 and 1894.
16th A, pt. 2	Descriptive information only	
B 140	Descriptions, measurements, gage heights, ratings, and monthly discharge (also many data covering earlier years).	1895.
W 11	Gage heights (also gage heights for earlier years)	1896.
18th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge (also similar data for some earlier years).	1895 and 1896.
W 15	Descriptions, measurements, and gage heights eastern United States, eastern Mississippi River, and Missouri River above junction with Kansas.	1897.
W 16	Descriptions, measurements, and gage heights, western Mississippi River below junction of Missouri and Platte, and western United States.	1897.
19th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge (also some long-time records).	1897.
W 27	Measurements, ratings, and gage heights, eastern United States, eastern Mississippi River, and Missouri River.	1898.
W 28	Measurements, ratings, and gage heights, Arkansas River and western United States.	1898.
20th A, pt. 4	Monthly discharge (also for many earlier years)	1898.
W 35 to 39	Descriptions, measurements, gage heights, and ratings	1899.
21st A, pt. 4	Monthly discharge	1899.
W 47 to 52	Descriptions, measurements, gage heights, and ratings	1900.
22d A, pt. 4	Monthly discharge	1900.
W 65, 66	Descriptions, measurements, gage heights, and ratings	1901.
W 75	Monthly discharge	1901.
W 82 to 85	Complete data	1902.
W 97 to 100	do	1903.
W 124 to 135	do	1904.
W 165 to 178	do	1905.
W 201 to 214	do	1906.
W 241 to 252	do	1907–8.
W 261 to 272	do	1909.
W 281 to 292	do	1910.
W 301 to 312	do	1911.
W 321 to 332	do	1912.
W 351 to 362	do	1913.
W 381 to 394	do	1914.
W 401 to 414	do	1915.
W 431 to 444	do	1916.
W 451 to 464	do	1917.
W 471 to 484	do	1918.
W 501 to 514	do	1919 and 1920.
W 521 to 534	do	1921.
W 541 to 554	do	1922.
W 561 to 574	do	1923.
W 581 to 594	do	1924.
W 601 to 614	do	1925.
W 621 to 634	do	1926.
W 641 to 654	do	1927.

The records at most of the stations discussed in these reports extend over a series of years and miscellaneous measurements at many points other than regular gaging stations have been made each year. An index of the reports containing records obtained prior to 1904 has been published in Water-Supply Paper 119.

The following table gives, by years and drainage basins, the numbers of the papers on surface-water supply published from 1899 to 1927. The data for any particular station will be found in the reports covering the years during which the station was maintained. For example, data from 1902 to 1922 for any station in the area covered by Part III are published in Water-Supply Papers 83, 98, 128, 169, 205, 243, 263, 283, 303, 323, 353, 383, 403, 433, 453, 473, 503, 523, and 543, which contain records for the Ohio River Basin for those years. Results of miscellaneous measurements are published by drainage basins.

Numbers of water-supply papers containing results of stream measurements, 1899-1927

[For basins included see p. 5]

Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII-A	XII-B	XII-C
1899 [a]	35	[b] 35, 36	36	36	36	[c] 36, 37	37	37	[d] 37, 38	38, [e] 39	38, [f] 39	38	38	38
1900 [g]	47, [h] 48	48	48, [i] 49	49	49	49, [j] 50	50	50	50	51	51	51	51	51
1901	65, 75	65, 75	65, 75	65, 75	[k] 65, 66, 75	66, 75	[k] 65, 66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75
1902	82	[b] 82, 83	83	[l] 82, 83	[k] 83, 85	84	[k] 83, 84	84	85	85	85	85	85	85
1903	97	[b] 97, 98	98	97	[k] 98, 99, [m] 100	99	[k] 98, 99	99	100	100	100	100	100	100
1904	[n] 124, [o] 125 [p] 126	[p] 126, 127	128	129	[k] 128, 130	130, [q] 131	[k] 128, 131	132	133	133, [r] 134	134	135	135	135
1905	[n] 165, [o] 166 [p] 167	[p] 167, 168	169	170	171	172	[k] 169, 173	174	175, [s] 177	176, [r] 177	177	178	178	[t] 177, 178
1906	[n] 201, [o] 202 [p] 203	[p] 203, 204	205	206	207	208	[k] 205, 209	210	211	212, [r] 213	213	214	214	214
1907-8	241	242	243	244	245	246	247	248	249	250, [r] 251	251	252	252	252
1909	261	262	263	264	265	266	267	268	269	270, [r] 271	271	272	272	272
1910	281	282	283	284	285	286	287	288	289	290	291	292	292	292
1911	301	302	303	304	305	306	307	308	309	310	311	312	312	312
1912	321	322	323	324	325	326	327	328	329	330	331	332-A	332-B	332-C
1913	251	352	353	354	355	356	357	358	359	360	361	362-A	362-B	362-C
1914	381	382	383	384	385	386	387	388	389	390	391	392	393	394
1915	401	402	403	404	405	406	407	408	409	410	411	412	413	414
1916	431	432	433	434	435	436	437	438	439	440	441	442	443	444
1917	451	452	453	454	455	456	457	458	459	460	461	462	463	464
1918	471	472	473	474	475	476	477	478	479	480	481	482	483	484
1919-20	501	502	503	504	505	506	507	508	509	510	511	512	513	514
1921	521	522	523	524	525	526	527	528	529	530	531	532	533	534
1922	541	542	543	544	545	546	547	548	549	550	551	552	553	554
1923	561	562	563	564	565	566	567	568	569	570	571	572	573	574
1924	581	582	583	584	585	586	587	588	589	590	591	592	593	594
1925	601	602	603	604	605	606	607	608	609	610	611	612	613	614
1926	621	622	623	624	625	626	627	628	629	630	631	632	633	634
1927	641	642	643	644	645	646	647	648	649	650	651	652	653	654

[a] Rating tables and index to Water-Supply Papers 35–39 contained in Water-Supply Paper 39. Tables of monthly discharge for 1899 in Twenty-first Annual Report, Part IV.
[b] James River only.
[c] Gallatin River.
[d] Green and Gunnison Rivers and Grand River above junction with Gunnison.
[e] Mohave River only.
[f] Kings and Kern Rivers and south Pacific slope basins.
[g] Rating tables and index to Water-Supply Papers 47–52 and data on precipitation, wells, and irrigation in California and Utah contained in Water-Supply Paper 52. Table of monthly discharge for 1900 in Twenty-second Annual Report, Part IV.
[h] Wissahickon and Schuylkill Rivers to James River.
[i] Scioto River.
[j] Loup and Platte Rivers near Columbus, Nebr., and all tributaries below junction with Platte.
[k] Tributaries of Mississippi from east.
[l] Lake Ontario and tributaries to St. Lawrence River proper.
[m] Hudson Bay only.
[n] New England rivers only.
[o] Hudson River to Delaware River, inclusive.
[p] Susquehanna River to Yadkin River, inclusive.
[q] Platte and Kansas Rivers.
[r] Great Basin in California except Truckee and Carson River Basins.
[s] Below junction with Gila.
[t] Rogue, Umpqua, and Siletz Rivers only.

COOPERATION

Records in Maine were obtained in cooperation with the Public Utilities Commission of Maine, Charles E. Gurney, chairman.

The work in New Hampshire was done in cooperation with the Public Service Commission of New Hampshire, William T. Gunnison, Fred H. Brown, and John W. Storrs, commissioners.

In Massachusetts the work was carried on in cooperation with the Department of Public Works, division of waterways and public lands, William F. Williams, chairman, Richard K. Hale, commissioner (waterways).

Work in New York was carried on in cooperation with the Department of State Engineer and Surveyor, Roy G. Finch, State engineer and surveyor; Department of Public Works, Frederick Stuart Greene, superintendent; and Department of Conservation, Alexander MacDonald, commissioner.

The work in New Jersey was carried on in cooperation with the State Department of Conservation and Development, Dr. Henry B. Kummel, director, and H. T. Critchlow, chief, division of waters.

The work in Maryland was carried on in cooperation with the Maryland Geological Survey, E. B. Matthews, State geologist.

Work in Virginia was carried on in cooperation with the Virginia Geological Survey, Wilbur A. Nelson, State geologist.

Financial assistance in New England has been rendered by the Bangor Hydroelectric Co., Milo Electric Light Co., St. Croix Paper Co., Thomas W. Clark, Kennebec Water Power Co., New England Power Co., Turners Falls Power & Electric Co., Connecticut Valley Lumber Co., Holyoke Water Power Co., International Paper Co., Eastern Connecticut Power Co., New Hampshire Public Service Co., Connecticut Power Co., Mascoma River Improvement Co., Worcester Electric Light Co., W. H. McElwain Co., Connecticut River & Lake Improvement Co.

Financial assistance in New York was rendered by the following organizations: Hudson River Regulating District, Adirondack Power & Light Corporation, Central Hudson Gas & Electric Corporation, New York State Gas & Electric Corporation, Blandy Paper Co., Cohoes Power & Light Corporation, Indian River Co., and Rensselaer Polytechnic Institute.

Valuable assistance was rendered in New Jersey by the Hackensack Water Co., The Society for Establishing Useful Manufactures, Jersey City, city of Morristown, Jersey Central Power & Light Co., North Jersey District Water Supply Commission, city of Newark, Taylor-Wharton Iron & Steel Co., city of New Brunswick, Monmouth Consolidated Water Co., Atlantic City Water Department, and The Warren Manufacturing Co.

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Financial assistance in Pennsylvania was rendered by Pennsylvania Power & Light Co. and Susquehanna Power Co.

Financial assistance in Maryland was rendered by City Water Department of Baltimore, Washington Suburban Sanitary District, and West Virginia Pulp & Paper Co.

Financial assistance was rendered in West Virginia by the Potomac Edison Co. and in Virginia by the Virginia Electric & Power Co.

DIVISION OF WORK

The data for stations in New England were collected and prepared for publication under the direction of H. B. Kinnison, district engineer. M. R. Stackpole, associate engineer, had immediate supervision of the work in Maine. The other assistants in New England were Lillian H. Finnerty, H. F. Hill, jr., J. H. Morgan, and Louise M. McGovern.

Data for stations in New York were collected and prepared for publication under the direction of Arthur W. Harrington, district engineer, assisted by B. L. Bigwood, A. E. Johnson, K. K. Hoyt, F. H. Harrington, and Agnes D. Buchanan.

Data for stations in New Jersey and Pennsylvania were collected and prepared for publication under the direction of O. W. Hartwell, district engineer, assisted by Otto Lauterhahn, H. C. Barksdale, R. B. Letcher, W. R. Voght, and Mrs. M. T. Sheridan.

Data for stations in Maryland and West Virginia were collected and prepared for publication under direction of A. H. Horton, district engineer, assisted by D. S. Wallace, J. W. Mangan, and P. R. Speer.

Data for stations in Virginia were collected and prepared for publication under the direction of J. J. Dirzulaitis, district engineer, assisted by O. D. Mussey, F. C. Christopherson, N. B. Usler and Miss S. F. Norris.

The manuscript was assembled and reviewed by P. R. Speer.

GAGING-STATION RECORDS

ST. JOHN RIVER BASIN

ST. JOHN RIVER AT FORT KENT, ME.

LOCATION.—Staff gage at cable ferry between Fort Kent, Aroostook County, and Clair, New Brunswick, a quarter of a mile below mouth of Fish River.
DRAINAGE AREA.—5,690 square miles.
RECORDS AVAILABLE.—October, 1926, to September, 1927.
EXTREMES.—Maximum discharge during year, 66,500 second-feet April 24 (gage height, 17.28 feet); minimum, 990 second-feet March 6 and 9.
REMARKS.—Records good. Discharge estimated October 1, July 10, and August 14–18, because of missing gage heights, and December 20 to April 20 because of ice.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,800	8,450	13,100	3,700	1,600	1,060	3,100	21,300	23,100	3,800	6,990	1,890
2	3,020	7,940	11,800	3,530	1,500	1,080	3,000	20,500	23,100	3,480	6,120	1,890
3	2,600	7,940	8,450	3,480	1,430	1,050	2,920	19,200	22,200	3,170	5,290	2,110
4	2,350	7,690	7,690	3,240	1,390	1,010	2,860	18,800	21,300	3,170	4,500	2,350
5	2,600	7,220	6,770	3,050	1,350	1,000	2,810	18,400	19,600	3,170	4,140	2,870
6	2,600	6,550	6,770	2,870	1,330	990	2,760	19,200	21,300	3,320	3,480	2,730
7	3,320	6,120	6,770	2,700	1,310	1,000	2,740	21,300	24,100	3,480	3,170	2,730
8	4,500	6,120	6,330	2,600	1,270	1,000	2,730	24,600	22,200	3,480	2,870	2,600
9	5,490	5,910	6,550	2,470	1,250	990	3,120	22,700	20,500	3,480	2,870	2,350
10	4,890	6,770	6,550	2,350	1,250	1,020	3,560	19,600	17,600	4,300	2,870	2,000
11	4,320	13,100	6,550	2,270	1,240	1,020	3,850	18,400	18,000	5,090	2,730	1,790
12	3,970	16,800	6,550	2,170	1,220	1,030	3,900	21,300	24,100	5,910	3,170	1,890
13	4,140	14,400	6,550	2,110	1,180	1,050	3,970	22,700	23,100	5,290	3,480	2,110
14	4,140	11,800	5,910	2,020	1,170	1,100	4,060	20,500	19,600	5,290	4,100	2,350
15	3,800	10,300	6,120	1,940	1,140	1,170	4,270	18,000	16,500	5,290	4,800	2,600
16	3,640	9,510	5,700	1,910	1,120	1,290	4,500	17,200	14,700	6,990	5,100	2,470
17	3,480	9,780	5,490	1,890	1,120	1,440	5,070	18,800	13,400	7,940	4,300	2,110
18	3,170	13,700	4,890	1,870	1,100	1,640	5,350	22,200	11,800	12,800	3,600	1,890
19	3,800	18,400	4,690	1,840	1,090	1,890	11,400	22,700	10,600	11,200	3,170	1,890
20	4,500	25,100	4,410	1,800	1,080	2,230	25,100	23,600	9,510	9,780	2,870	2,000
21	4,690	32,600	4,230	1,760	1,060	2,500	56,300	22,700	8,970	7,690	2,600	2,230
22	4,500	27,100	3,900	1,740	1,060	2,770	63,100	18,800	8,450	6,120	2,350	2,230
23	3,970	21,800	3,940	1,720	1,060	2,990	63,100	16,500	6,550	4,890	2,230	2,350
24	6,120	18,000	3,970	1,710	1,050	3,170	66,500	17,600	5,910	4,500	2,350	2,110
25	6,550	15,400	4,000	1,690	1,050	3,620	56,300	15,000	5,290	4,890	2,870	1,790
26	9,510	13,400	3,990	1,670	1,050	3,590	44,600	16,100	5,290	6,120	2,870	1,590
27	17,200	13,100	3,970	1,630	1,050	3,540	34,300	15,400	4,890	7,940	2,730	1,500
28	15,000	13,400	3,920	1,500	1,050	3,450	31,500	18,800	4,500	7,940	2,600	1,330
29	12,800	12,800	3,880	1,390	------	3,350	28,200	24,600	4,320	7,450	2,230	1,330
30	10,600	15,700	3,870	1,500	------	3,240	25,100	27,100	3,970	7,940	2,000	1,250
31	9,240	------	3,800	1,630	------	3,150	------	23,600	------	7,690	1,890	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	17,200	2,350	5,620	0.988	1.14
November	32,600	5,910	13,200	2.32	2.59
December	13,100	3,800	5,840	1.03	1.19
January	3,700	1,390	2,190	.385	.44
February	1,600	1,050	1,200	.211	.22
March	3,620	990	1,920	.337	.39
April	66,500	2,730	19,000	3.34	3.73
May	27,100	15,000	20,200	3.55	4.09
June	24,100	3,970	14,500	2.55	2.84
July	12,800	3,170	5,920	1.04	1.20
August	6,990	1,890	3,430	.603	.70
September	2,870	1,250	2,080	.366	.41
The year	66,500	990	7,940	1.40	18.94

ST. JOHN RIVER AT VAN BUREN, ME.

LOCATION.—Staff gage at international bridge at Van Buren, Aroostook County, 14 miles above Grand Falls.

DRAINAGE AREA.—8,270 square miles.

RECORDS AVAILABLE.—May, 1908, to September, 1927.

EXTREMES.—Maximum discharge during year, 86,200 second-feet April 24 (gage height, 21.8 feet); minimum, 1,850 second-feet March 9–15.

1908–1927: Maximum discharge, about 134,000 second-feet May 2, 1923 (gage height, 29.0 feet); minimum (estimated), 720 second-feet March 18, 1923.

REMARKS.—Records good. Discharge estimated December 3 to April 20 because of ice and September 1–30 because of backwater caused by construction of dam at Grand Falls.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7,970	16,300	22,200	5,600	2,800	2,000	4,400	35,900	36,800	7,730	11,600	4,150
2	6,810	15,100	20,200	5,600	2,800	2,000	4,300	33,200	38,600	7,260	9,760	4,050
3	5,740	13,900	19,000	5,400	2,700	2,000	4,100	32,800	35,900	7,030	8,720	3,900
4	4,920	14,500	14,000	4,900	2,600	2,000	4,200	31,900	33,600	6,370	7,970	4,100
5	5,320	13,600	9,400	4,600	2,600	2,000	4,300	31,100	32,300	6,370	7,030	4,600
6	5,530	12,200	8,600	4,600	2,600	2,000	4,600	32,300	33,200	6,160	6,590	5,150
7	5,950	12,500	9,000	4,500	2,500	2,000	5,400	33,200	35,900	6,160	5,950	5,050
8	7,730	11,600	10,500	4,400	2,400	1,900	5,600	37,700	35,000	6,370	5,320	5,000
9	8,220	11,100	11,500	4,300	2,400	1,850	5,400	36,800	32,800	7,030	5,120	4,670
10	8,720	12,500	12,000	4,100	2,300	1,850	5,600	35,000	30,200	6,810	5,530	4,250
11	7,730	18,200	12,000	4,000	2,300	1,850	5,800	33,200	28,200	7,260	5,530	4,200
12	7,260	23,600	11,500	4,000	2,200	1,850	6,200	33,200	31,900	8,220	4,920	4,150
13	6,810	24,000	11,000	3,800	2,200	1,850	6,600	35,900	34,100	8,220	5,320	4,600
14	7,030	21,500	10,500	3,700	2,200	1,850	7,000	34,500	31,500	8,220	5,320	4,500
15	7,490	19,500	9,800	3,600	2,200	1,850	7,200	31,900	27,400	8,720	7,730	4,600
16	7,030	17,600	9,400	3,500	2,200	2,100	7,400	30,600	24,400	9,500	9,500	4,600
17	6,810	17,600	8,600	3,300	2,100	2,200	8,200	30,600	22,200	10,800	8,470	4,600
18	8,220	19,800	7,600	3,200	2,100	2,300	12,000	32,300	20,500	12,200	7,730	4,250
19	9,240	21,500	7,000	3,200	2,100	2,400	22,000	35,000	18,800	15,400	7,260	4,050
20	9,240	34,500	6,200	3,100	2,100	2,600	69,000	35,400	17,200	14,200	6,590	4,100
21	9,500	45,000	6,000	3,200	2,100	2,900	54,000	35,900	15,700	12,200	6,160	4,300
22	9,500	42,000	6,000	3,300	2,100	3,200	69,000	31,500	15,100	10,800	5,320	4,300
23	8,980	35,400	6,400	3,200	2,000	3,600	75,000	29,000	13,900	8,220	4,920	4,200
24	8,720	29,800	6,400	3,200	2,000	4,400	86,200	27,000	12,200	7,030	4,920	4,100
25	9,500	25,500	6,400	3,100	2,000	4,800	79,800	26,600	11,100	6,590	5,120	3,850
26	17,900	23,600	6,200	3,100	2,000	4,900	65,400	24,400	10,600	8,220	5,530	3,580
27	22,200	22,600	6,200	3,000	2,000	4,900	52,000	25,100	10,000	9,240	5,530	3,280
28	27,000	22,600	6,200	2,800	2,000	4,900	47,500	27,000	9,240	11,100	5,320	3,140
29	23,600	23,600	6,000	2,500	-------	4,800	43,500	33,200	8,720	11,600	4,920	2,950
30	20,500	21,800	5,800	2,600	-------	4,600	40,600	38,200	8,220	12,200	4,520	2,850
31	17,900	-------	5,800	2,800	-------	4,500	-------	36,800	-------	12,500	4,320	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	27,000	4,920	10,300	1.25	1.44
November	45,000	11,100	21,400	2.59	2.89
December	22,200	5,800	9,590	1.16	1.34
January	5,600	2,500	3,750	.453	.52
February	2,800	2,000	2,270	.274	.29
March	4,900	1,850	2,840	.343	.40
April	86,200	4,100	27,100	3.28	3.66
May	38,200	24,400	32,500	3.93	4.53
June	38,600	8,220	23,800	2.88	3.21
July	15,400	6,160	9,020	1.09	1.26
August	11,600	4,320	6,400	.774	.89
September	5,150	2,850	4,170	.504	.56
The year	86,200	1,850	12,800	1.55	20.99

ST. CROIX RIVER BASIN

ST. CROIX RIVER NEAR BAILEYVILLE, ME.

LOCATION.—Water-stage recorder below power house of St. Croix Paper Co. at Grand Falls, Washington County, 3½ miles east of Baileyville.

DRAINAGE AREA.—1,320 square miles.

RECORDS AVAILABLE.—November, 1919, to September, 1927.

EXTREMES.—Maximum discharge during year, 7,620 second-feet May 30 (gage height, 5.93 feet); minimum, 400 second-feet July 10 and August 5 (gage height, 1.21 feet).

1919–1927: Maximum discharge, about 23,300 second-feet May 1, 1923 (gage height, 13.90 feet); minimum (estimated), 100 second-feet December 9, 1923, July 20, 27, 1924.

REMARKS.—Records good. About 30,000,000,000 cubic feet of storage developed above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,490	2,720	4,060	2,010	2,520	2,150	2,680	2,990	4,620	1,730	1,400	2,380
2	1,560	2,750	3,660	1,530	2,600	2,080	2,680	3,160	4,140	1,700	1,450	2,450
3	916	2,980	[a] 3,500	2,080	2,680	2,010	1,740	3,050	3,820	1,540	1,370	2,520
4	1,370	[a] 2,950	[a] 3,500	2,150	2,520	2,010	2,600	2,520	3,580	1,410	1,550	1,600
5	1,460	[a] 2,850	[a] 2,000	2,030	2,450	2,080	2,680	2,150	3,880	1,770	1,430	1,120
6	1,410	2,680	[a] 2,400	2,150	[a] 1,600	1,380	2,750	2,380	5,120	1,860	1,400	1,510
7	1,770	1,920	[a] 2,400	2,300	[a] 2,100	2,250	2,680	2,680	5,640	1,940	715	1,360
8	2,450	1,860	2,680	2,220	[a] 2,200	2,520	2,520	1,930	5,460	1,550	1,380	1,230
9	[a] 2,600	1,720	2,750	1,440	2,150	2,600	2,150	1,950	5,120	1,620	1,530	1,260
10	[a] 1,150	2,520	2,450	2,080	2,010	2,680	1,380	2,080	3,900	1,550	1,360	1,370
11	[a] 1,450	2,750	2,220	2,150	1,870	2,680	1,810	1,940	[a] 4,200	1,550	1,450	1,220
12	[a] 1,300	2,600	1,480	2,150	2,150	2,680	2,150	1,940	[a] 3,700	1,410	1,280	1,190
13	1,450	2,520	1,940	2,150	1,480	1,550	1,940	1,940	[a] 3,300	1,480	1,350	1,310
14	1,460	1,930	2,220	2,450	1,830	2,380	1,870	3,050	[a] 2,800	1,290	1,150	1,240
15	1,480	2,300	2,220	2,450	2,010	2,750	2,010	3,200	[a] 2,870	1,510	1,440	1,260
16	[a] 1,500	2,600	2,080	1,700	1,940	2,900	2,010	3,970	[a] 2,900	1,310	1,440	1,260
17	[a] 1,200	2,750	2,080	2,300	1,840	2,900	1,080	3,980	2,820	1,200	1,450	1,200
18	[a] 2,100	2,600	2,150	2,600	1,810	2,900	1,550	3,500	2,900	1,330	1,370	940
19	[a] 2,600	2,450	1,430	2,600	1,810	3,900	2,150	3,350	2,070	1,260	1,400	1,280
20	[a] 2,800	2,250	2,010	2,520	1,380	3,360	2,450	3,200	2,020	1,190	1,510	1,320
21	[a] 2,700	3,730	2,220	2,600	1,860	3,660	2,520	3,350	2,380	1,220	1,420	1,270
22	[a] 2,700	4,150	2,220	2,520	1,830	4,140	2,750	3,580	2,010	1,180	1,400	1,480
23	[a] 2,800	2,960	2,150	1,710	1,840	3,420	3,200	3,980	1,940	1,240	1,490	1,450
24	880	2,970	1,870	2,150	1,870	2,750	4,460	4,460	1,760	1,220	1,230	1,320
25	4,380	3,110	1,460	2,450	1,940	2,820	5,290	4,140	1,870	1,530	1,310	[a] 1,050
26	6,540	2,820	1,590	2,380	2,010	2,820	4,460	3,900	1,560	1,290	1,870	[a] 1,200
27	5,640	2,980	1,450	2,450	1,370	2,340	4,140	3,990	1,740	1,110	1,800	1,270
28	5,120	3,350	1,420	2,450	2,080	2,680	4,060	5,460	1,940	1,440	1,380	1,270
29	4,460	3,500	1,510	2,380	-------	2,820	3,500	5,380	1,740	1,420	1,510	1,120
30	3,660	3,740	1,480	1,680	-------	2,750	3,500	5,640	1,760	1,480	1,810	988
31	3,050	-------	1,860	2,300	-------	2,680	-------	5,290	-------	1,420	2,150	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	6,540	880	2,430	1.84	2.12
November	4,150	1,720	2,770	2.10	2.34
December	4,060	1,420	2,210	1.67	1.92
January	2,600	1,440	2,200	1.67	1.92
February	2,680	1,370	1,990	1.51	1.57
March	4,140	1,380	2,670	2.02	2.33
April	5,290	1,080	2,690	2.04	2.28
May	5,640	1,930	3,360	2.55	2.94
June	5,640	1,560	3,120	2.36	2.63
July	1,940	1,110	1,440	1.09	1.26
August	2,150	715	1,440	1.09	1.26
September	2,520	940	1,380	1.05	1.17
The year	6,540	715	2,310	1.75	23.74

[a] Estimated by comparison with records from power station just above.

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow.

MACHIAS RIVER BASIN

EAST MACHIAS RIVER NEAR EAST MACHIAS, ME.

LOCATION.—Staff gage just below outlet of Hadley Lake and 3 miles above village of East Machias in town of East Machias, Washington County. Zero of gage 36.00 feet above mean sea level.

DRAINAGE AREA.—234 square miles.

RECORDS AVAILABLE.—October, 1926, to September, 1927.

EXTREMES.—Maximum discharge, 1,660 second-feet October 26 (gage height, 4.97 feet); minimum, 58 second-feet October 4 and 5 (gage height, 0.66 foot).

REMARKS.—Records good. Possibly slight regulation at station. Discharge estimated December 29–31 because of ice effect and August 9 to September 30 because of backwater from fish weir.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	63	1,210	840	748	704	588	426	560	540
2	59	1,100	840	748	662	588	458	560	545
3	59	1,040	748	794	624	554	491	525	550
4	58	940	748	748	588	522	491	491	555
5	58	890	662	748	554	588	491	458	555
6	74	840	662	704	554	704	491	426	525
7	224	748	624	704	522	748	491	426	510
8	296	704	554	704	522	748	525	396	495
9	335	662	588	704	522	794	525	390	435
10	335	662	522	704	490	748	525	395	415
11	335	704	490	662	460	748	491	395	395
12	309	704	490	662	460	748	491	380	405
13	283	704	460	662	430	662	491	380	370
14	296	662	430	662	430	596	491	365	325
15	296	624	402	624	430	560	491	370	340
16	283	588	402	588	460	560	458	365	320
17	258	588	402	588	460	491	458	370	305
18	348	554	374	588	460	491	458	355	285
19	374	554	348	624	490	491	458	350	290
20	374	662	335	662	490	491	491	335	315
21	460	704	335	704	490	458	491	330	330
22	460	748	322	704	460	458	458	310	340
23	460	748	296	748	460	426	458	300	335
24	460	704	296	794	460	426	560	315	330
25	990	662	270	748	460	396	672	385	315
26	1,660	624	258	794	460	366	712	415	300
27	1,590	662	258	794	490	366	712	430	275
28	1,660	704	246	794	522	366	712	445	265
29	1,590	748	240	748	554	396	672	430	245
30	1,460	794	235	748	554	426	634	510	230
31	1,330	-------	230	-------	588	-------	596	540	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,660	58	543	2.32	2.68
November	1,210	554	741	3.17	3.54
December	840	230	449	1.92	2.21
April	794	588	707	3.02	3.37
May	704	430	510	2.18	2.51
June	794	366	550	2.35	2.62
July	712	426	528	2.26	2.61
August	560	300	410	1.75	2.02
September	555	230	381	1.63	1.82

PENOBSCOT RIVER BASIN

WEST BRANCH OF PENOBSCOT RIVER AT MILLINOCKET, ME.

LOCATION.—Water-stage recorder at Quakish Lake Dam and Millinocket mill of Great Northern Paper Co., Millinocket, Penobscot County.

DRAINAGE AREA.—1,910 square miles.

RECORDS AVAILABLE.—January, 1901, to September, 1927.

REMARKS.—Flow regulated by storage in North Twin and Ripogenus Lakes, having combined capacity of about 45,000,000,000 cubic feet. Discharge is combined flow over dam, and through water wheels, log sluices, and filters. When discharge is less than 3,500 second-feet, all water passes through wheels. Records furnished by Great Northern Paper Co.

Monthly discharge of West Branch of Penobscot River at Millinocket, Me., 1926–27

Month	Discharge in second-feet			Corrected run-off in inches
	Observed, mean	Corrected for storage		
		Mean	Per square mile	
October	2,790	1,260	0.660	0.76
November	2,480	5,360	2.81	3.14
December	2,700	2,050	1.07	1.23
January	2,860	1,130	.592	.68
February	2,890	898	.470	.49
March	2,890	1,060	.555	.64
April	2,870	5,630	2.95	3.29
May	2,870	5,180	2.71	3.12
June	2,840	4,620	2.42	2.70
July	2,880	2,640	1.38	1.59
August	3,110	1,270	.665	.77
September	2,910	1,420	.743	.83
The year	2,840	2,710	1.42	19.24

WEST BRANCH OF PENOBSCOT RIVER NEAR MEDWAY, ME.

LOCATION.—Water-stage recorder just above Nichatou Rapids, half a mile above mouth of East Branch of Penobscot River and village of Medway, Penobscot County, and 2 miles below East Millinocket.

DRAINAGE AREA.—2,120 square miles.

RECORDS AVAILABLE.—February, 1916, to September, 1927.

EXTREMES.—Maximum discharge during year, 6,940 second-feet July 5 (gage height, 5.44 feet); minimum, 525 second-feet October 10 (gage height, 1.19 feet).

1916–1927: Maximum discharge, about 20,000 second-feet June 18, 1917 (gage height, 9.88 feet); minimum, estimated 100 second-feet at times during 1923 and 1924.

REMARKS.—Records good. Flow regulated by storage reservoirs above station. Discharge estimated December 27 to March 26 because of ice effect and November 9, 10, December 19, 20 because of missing record.

Daily and monthly discharge, in second-feet, of West Branch of Penobscot River near Medway, Me., 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,150	3,540	3,440	3,300	3,060	3,240	3,440	3,540	3,980	3,340	3,240	3,650
2	3,150	3,650	3,540	2,450	3,240	3,240	3,540	3,540	3,980	3,540	3,540	4,100
3	2,540	3,650	3,340	3,460	3,380	3,260	3,110	3,540	3,760	2,650	3,760	3,980
4	2,970	3,650	3,650	3,320	3,380	3,340	3,440	3,540	3,440	2,580	3,760	3,620
5	3,240	3,540	3,340	3,130	3,480	3,300	3,440	3,540	3,150	3,240	3,980	2,330
6	3,340	3,240	3,440	3,360	3,110	2,990	3,540	3,650	3,540	3,440	3,870	3,200
7	3,240	2,800	3,540	3,540	3,110	3,130	3,650	3,650	3,870	3,340	3,240	3,340
8	3,540	3,060	3,340	3,520	3,240	3,280	3,760	3,240	3,980	3,340	3,650	3,650
9	3,240	3,300	3,440	3,500	3,360	3,340	3,760	3,440	3,760	3,440	3,760	3,240
10	2,290	3,600	3,440	3,560	3,320	3,150	3,150	3,540	3,870	2,570	4,100	3,240
11	2,970	3,870	3,440	3,520	3,300	2,970	3,150	3,440	3,760	3,440	3,870	2,960
12	3,540	3,540	3,150	3,380	3,320	2,810	3,760	3,440	3,390	3,540	3,980	3,340
13	3,340	3,240	3,340	3,420	3,040	2,830	3,650	3,440	3,760	4,100	4,100	3,540
14	3,440	3,060	3,240	3,340	3,060	3,080	3,650	3,540	3,540	3,760	3,570	3,440
15	3,540	3,340	3,340	3,400	3,300	3,340	3,540	2,800	3,760	3,540	3,900	3,340
16	3,540	3,340	3,240	2,910	3,320	3,120	3,650	3,440	3,850	3,340	4,720	3,340
17	3,140	3,240	3,150	3,020	3,300	3,520	3,290	3,760	3,650	3,180	4,210	3,240
18	3,870	3,240	3,240	3,150	3,280	3,540	3,340	3,650	3,760	3,340	4,210	2,700
19	4,100	3,440	3,160	3,340	3,340	3,460	3,760	3,980	3,540	3,440	4,340	2,890
20	3,980	4,720	3,200	3,480	3,060	3,300	3,650	3,650	3,760	3,760	3,870	3,340
21	3,870	3,430	3,440	3,460	3,210	3,320	3,650	3,340	3,650	3,650	3,540	3,340
22	3,760	3,760	3,150	3,340	3,170	3,440	3,650	3,150	3,540	3,340	3,240	3,440
23	3,760	3,440	3,340	2,970	3,190	3,340	3,870	3,540	3,650	3,340	3,650	3,440
24	2,950	3,340	3,380	3,010	3,280	3,300	3,870	3,440	3,870	2,990	3,870	3,540
25	3,760	3,340	2,440	3,130	3,280	3,360	3,980	3,440	3,440	3,240	3,760	3,240
26	4,100	3,340	3,060	3,230	3,260	3,340	3,870	3,340	2,220	3,650	3,540	3,240
27	4,210	3,440	3,380	3,340	2,910	3,150	3,650	3,980	3,060	3,650	3,540	3,440
28	3,870	3,240	3,380	3,240	3,240	3,240	3,760	5,130	3,650	3,760	3,130	3,540
29	3,870	3,540	3,280	2,940	-------	3,440	3,870	4,210	3,340	3,870	3,150	3,540
30	3,540	3,540	3,360	2,680	-------	3,650	3,980	4,000	3,340	3,870	3,150	3,440
31	2,820	-------	3,340	2,810	-------	3,650	-------	3,870	-------	2,920	3,240	-------

Month	Discharge in second-feet					Corrected run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
October	4,210	2,290	3,440	1,910	0.901	1.04
November	4,720	2,800	3,450	6,330	2.99	3.34
December	3,650	2,440	3,310	2,660	1.25	1.44
January	3,560	2,450	3,230	1,500	.708	.82
February	3,480	2,910	3,230	1,240	.585	.61
March	3,650	2,810	3,270	1,440	.679	.78
April	3,980	3,110	3,610	6,370	3.00	3.35
May	5,130	2,800	3,610	5,920	2.79	3.22
June	3,980	2,220	3,600	5,380	2.54	2.83
July	4,100	2,570	3,390	3,150	1.49	1.72
August	4,720	3,130	3,730	1,890	.892	1.03
September	4,100	2,330	3,360	1,870	.882	.98
The year	5,130	2,220	3,440	3,310	1.56	21.16

PENOBSCOT RIVER AT WEST ENFIELD, ME.

LOCATION.—Water-stage recorder at highway bridge, 1,000 feet below mouth of Piscataquis River and 3 miles west of Enfield, Penobscot County.

DRAINAGE AREA.—6,600 square miles.

RECORDS AVAILABLE.—November, 1901, to September, 1927.

EXTREMES.—Maximum discharge during year, 41,800 second-feet November 20 (gage height, 11.38 feet); minimum, 4,270 second-feet October 11 (gage height, 2.33 feet).

1902–1927: Maximum discharge, about 153,000 second-feet May 1, 1923 (gage height, 25.15 feet); minimum 1,470 second-feet October 29, 1905 (gage height, 1.0 foot).

REMARKS.—Records good. Flow regulated by storage on West Branch. Discharge December 3 to April 4 estimated because of ice effect. Gage-height record furnished by Thomas W. Clark, hydraulic engineer, Old Town.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6,100	10,600	18,600	7,420	7,290	6,460	12,400	20,700	25,000	6,960	6,580	8,000
2	5,750	11,900	16,900	7,370	7,390	6,580	12,300	18,600	23,500	6,840	6,710	8,550
3	5,640	11,900	13,300	6,960	7,420	6,580	12,500	16,500	20,700	6,580	6,710	10,000
4	4,960	11,200	11,500	7,440	7,570	6,560	13,000	15,400	17,700	5,750	6,580	9,700
5	5,290	10,600	9,000	7,370	7,630	6,460	14,300	13,900	17,300	5,750	6,340	8,830
6	5,520	10,300	7,750	7,210	7,340	6,220	14,600	13,600	23,000	6,460	6,220	7,730
7	5,750	9,410	7,520	7,110	7,140	5,770	15,800	13,900	24,500	6,460	5,860	8,000
8	5,980	8,830	7,420	7,040	7,140	6,220	16,200	13,200	23,000	5,860	5,400	7,210
9	6,100	9,120	7,350	7,010	7,160	6,760	15,800	12,200	20,300	6,460	5,640	7,470
10	5,980	15,000	7,350	6,960	7,160	6,910	15,000	11,200	18,200	6,580	6,710	6,960
11	4,630	26,000	7,500	7,010	7,140	6,940	13,900	11,200	16,900	5,520	7,730	6,460
12	5,290	22,500	7,600	7,140	7,060	6,840	14,300	11,500	16,200	5,980	7,730	5,750
13	5,520	19,000	7,700	7,080	6,910	6,640	15,000	12,500	14,600	5,980	7,730	6,340
14	5,640	16,500	7,700	6,960	6,610	6,860	15,400	12,900	13,200	6,580	7,730	6,340
15	5,980	15,000	7,660	6,940	6,610	8,550	15,000	13,600	11,900	6,340	7,470	6,220
16	6,100	15,000	7,580	6,940	6,710	10,100	14,600	13,200	11,200	6,460	17,900	6,100
17	6,220	17,300	7,520	6,840	6,540	10,500	16,200	15,000	10,900	6,710	12,200	5,860
18	6,580	23,000	7,600	7,060	6,340	10,800	18,200	15,000	10,300	6,840	11,200	5,520
19	8,550	22,000	7,600	7,210	6,240	11,100	20,300	14,600	9,700	6,960	17,600	5,180
20	8,550	37,100	7,550	7,340	6,540	11,400	24,000	15,000	9,410	6,710	9,700	5,750
21	8,270	36,500	7,970	7,470	6,540	11,600	28,000	13,200	9,120	6,710	8,830	5,860
22	8,140	29,600	7,730	7,550	6,510	11,600	30,200	12,500	8,830	6,340	8,000	5,860
23	8,270	26,000	7,470	7,570	6,460	11,500	31,300	12,500	8,550	5,860	8,000	5,860
24	8,270	22,500	7,210	7,520	6,410	11,400	38,300	13,600	8,550	5,860	7,730	5,860
25	10,600	19,800	6,860	7,950	6,390	11,600	38,900	12,900	8,550	5,750	7,730	5,750
26	16,900	17,700	6,510	8,110	6,360	11,600	33,500	12,500	8,000	6,580	7,470	5,180
27	17,700	17,700	6,760	8,140	6,290	11,300	31,300	13,600	6,960	6,960	7,210	5,290
28	15,400	21,600	7,060	8,000	5,980	11,000	28,000	23,000	8,000	7,470	6,710	5,400
29	13,600	20,300	7,210	7,730	-------	11,600	26,000	31,800	8,270	8,550	6,220	5,400
30	12,500	19,400	7,240	7,520	-------	12,000	23,000	30,200	7,210	8,270	6,710	5,400
31	10,900	-------	7,370	7,290	-------	12,200	-------	28,000	-------	8,000	7,730	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	17,700	4,630	8,090	1.23	1.42
November	37,100	8,830	18,400	2.79	3.11
December	18,600	6,510	8,450	1.28	1.48
January	8,140	6,840	7,330	1.11	1.28
February	7,630	5,980	6,820	1.03	1.07
March	12,200	7,770	9,090	1.38	1.59
April	38,900	12,300	20,600	3.12	3.48
May	31,800	11,200	15,700	2.38	2.74
June	25,000	6,960	14,000	2.12	2.36
July	8,550	5,520	6,580	.997	1.15
August	12,200	5,400	7,680	1.16	1.34
September	10,000	5,180	6,590	.998	1.11
The year	38,900	4,630	10,800	1.64	22.13

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow.

EAST BRANCH OF PENOBSCOT RIVER AT GRINDSTONE, ME.

LOCATION.—Chain gage at Bangor & Aroostook Railroad bridge half a mile south of Grindstone, Penobscot County, and 9½ miles above confluence with West Branch.

DRAINAGE AREA.—1,070 square miles; includes approximately 240 square miles of Chamberlain Lake drainage through Telos Canal.

RECORDS AVAILABLE.—October, 1902, to September, 1927.

EXTREMES.—Maximum discharge during year, 10,200 second-feet April 24 (gage height, 10.0 feet); minimum, 320 second-feet October 13 (gage height, 4.40 feet).

1902–1927: Maximum discharge, 35,100 second-feet April 30, 1923 (gage height, 16.5 feet); minimum, estimated 30 second-feet February 28, 1904.

REMARKS.—Records good. Flow regulated by dams at outlets of a number of lakes and ponds. Discharge estimated October 10 and because of ice effect December 2 to April 10.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	430	1,110	2,320	720	700	480	1,450	3,320	5,560	1,360	7,30	1,810
2	400	1,110	2,200	720	680	500	1,450	3,000	5,700	1,300	690	1,810
3	400	1,020	1,850	700	660	480	1,550	2,850	5,100	1,300	635	2,100
4	370	1,060	1,350	700	640	480	1,600	2,700	4,650	1,360	550	1,810
5	370	1,110	780	700	620	480	1,750	2,550	5,100	1,300	550	1,740
6	370	1,060	700	680	620	470	1,950	2,400	6,020	1,110	520	1,540
7	430	1,020	660	680	600	470	2,100	2,180	5,560	850	490	1,420
8	430	1,110	680	660	600	470	2,100	2,020	4,870	975	460	1,250
9	400	1,060	700	660	580	460	2,000	1,880	4,240	975	890	1,200
10	390	2,400	720	640	580	470	1,950	1,670	3,860	850	975	1,160
11	370	4,240	780	640	560	450	1,950	1,880	4,050	730	810	1,110
12	320	3,000	780	620	560	440	2,020	2,180	3,860	655	635	1,060
13	320	2,250	800	620	540	440	2,180	1,880	3,400	770	690	1,060
14	345	1,880	820	620	520	490	2,100	1,740	3,160	770	730	1,020
15	370	1,740	820	600	520	490	2,250	1,810	2,400	770	1,420	930
16	400	1,670	840	640	520	920	2,320	1,950	2,320	850	2,320	890
17	400	3,160	840	660	560	1,050	3,160	1,880	2,180	1,020	1,810	850
18	550	3,670	840	620	540	1,150	3,670	1,950	2,100	975	1,420	850
19	810	3,160	840	640	540	1,350	5,100	2,180	1,950	850	1,200	890
20	655	6,730	840	660	520	1,400	6,970	1,950	1,880	770	1,110	890
21	620	6,020	840	720	520	1,450	8,520	1,670	1,810	730	1,420	810
22	620	4,240	820	860	500	1,400	7,990	1,600	1,810	690	1,420	730
23	620	3,490	800	820	520	1,300	7,990	1,540	1,740	690	1,160	730
24	620	2,850	800	780	520	1,250	9,910	1,480	1,670	810	890	690
25	1,360	2,850	800	780	520	1,250	8,250	1,420	1,600	1,060	930	635
26	3,000	2,700	800	760	500	1,200	6,250	1,540	1,600	1,020	890	620
27	2,180	3,000	780	700	490	1,200	5,560	1,740	1,600	1,020	850	585
28	1,480	3,160	780	660	480	1,200	5,100	4,870	1,480	1,300	850	585
29	1,200	2,550	780	660	------	1,200	4,650	6,490	1,420	1,110	1,020	585
30	1,110	3,320	780	700	------	1,200	4,240	6,490	1,360	975	1,880	550
31	1,110	------	760	720	------	1,300	------	5,790	------	810	1,950	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	3,000	320	724	0.677	0.78
November	6,730	1,020	2,590	2.42	2.70
December	2,320	660	932	.871	1.00
January	860	600	688	.643	.74
February	700	480	561	.524	.55
March	1,450	440	867	.810	.93
April	9,910	1,450	3,940	3.68	4.11
May	6,490	1,420	2,540	2.37	2.73
June	6,020	1,360	3,140	2.93	3.27
July	1,360	655	960	.897	1.03
August	2,320	460	1,030	.963	1.11
September	2,100	550	1,060	.991	1.11
The year	9,910	320	1,580	1.48	20.06

MATTAWAMKEAG RIVER AT MATTAWAMKEAG, ME.

LOCATION.—Chain gage at Maine Central Railroad bridge at Mattawamkeag, Penobscot County, half a mile above mouth of river.

DRAINAGE AREA.—1,500 square miles.

RECORDS AVAILABLE.—August, 1902, to September, 1927.

EXTREMES.—Maximum discharge during year, 14,100 second-feet April 25, 26 (gage height, 10.4 feet); minimum, 484 second-feet September 29 and 30 (gage height, 3.98 feet).

1902–1927: Maximum discharge, about 43,900 second-feet May 1, 1923 (gage height, 19.55 feet); minimum, 86 second-feet October 4–12, 1905; September 19, October 6, 1906; September 24–29, 1908; October 14–17, 1910.

REMARKS.—Records good. Some storage in lakes. Discharge estimated December 5 to March 30 because of ice effect and October 1–9 and August 15 to September 28 because of effect of fish dam.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	880	3,610	5,680	1,300	1,450	580	3,800	8,380	8,640	770	1,440	1,310
2	680	3,610	5,020	1,250	1,450	580	3,800	7,350	7,860	722	1,250	1,340
3	620	3,420	4,400	1,250	1,400	580	4,200	6,140	6,610	675	1,140	1,870
4	620	3,420	4,000	1,250	1,300	600	4,200	5,020	5,460	675	970	2,240
5	620	3,230	2,400	1,250	1,250	600	4,200	3,800	4,600	630	870	2,120
6	720	3,230	1,500	1,250	1,200	640	4,400	3,420	5,240	630	820	1,910
7	660	2,870	1,500	1,250	1,150	660	4,810	3,420	6,140	585	722	1,650
8	880	2,700	1,500	1,200	1,100	680	5,020	3,420	6,850	585	675	1,450
9	880	2,530	1,550	1,150	1,050	740	5,020	3,040	6,610	630	675	1,240
10	820	3,610	1,600	1,150	1,000	800	5,020	2,870	6,140	675	1,190	1,050
11	770	5,680	1,650	1,150	1,000	820	4,810	2,870	5,460	675	1,830	860
12	722	6,850	1,750	1,100	960	840	4,600	3,040	4,400	630	1,830	730
13	630	6,850	1,750	1,100	920	900	4,600	3,040	4,000	675	1,960	665
14	675	6,610	1,750	1,100	880	960	4,600	3,420	3,800	722	1,570	650
15	770	5,910	1,750	1,050	840	1,100	4,600	3,800	3,040	820	1,310	650
16	870	5,020	1,750	1,050	820	1,500	4,600	3,800	2,870	970	1,690	610
17	870	5,240	1,700	1,200	800	1,850	5,020	3,800	2,230	1,080	2,340	570
18	1,080	5,240	1,650	1,250	760	2,100	5,240	3,800	2,090	1,310	2,700	525
19	1,440	5,680	1,650	1,300	740	2,400	6,370	3,800	2,090	1,380	2,840	510
20	1,500	6,370	1,550	1,350	700	3,000	7,350	3,610	2,230	1,500	2,580	535
21	1,830	7,600	1,550	1,400	680	3,300	8,900	3,040	2,090	1,250	2,420	610
22	1,700	8,120	1,550	1,450	660	3,500	9,690	2,870	2,090	870	2,120	650
23	1,700	7,860	1,500	1,550	660	3,600	10,800	2,700	1,960	630	1,860	610
24	1,830	7,100	1,500	1,650	620	3,800	12,800	2,700	1,830	630	1,690	570
25	2,700	6,370	1,450	1,700	620	3,900	14,100	2,530	1,570	722	1,400	550
26	5,020	5,680	1,450	1,700	600	4,000	13,800	2,380	1,570	820	1,430	525
27	5,680	5,020	1,450	1,650	600	4,000	12,800	2,700	1,830	870	1,310	490
28	5,680	5,680	1,400	1,600	580	3,900	11,600	5,020	1,700	1,190	1,000	490
29	5,240	5,910	1,350	1,400	-------	3,800	10,500	7,860	1,190	1,570	920	484
30	4,600	6,140	1,350	1,400	-------	3,700	9,420	8,640	920	1,700	1,090	484
31	3,800	-------	1,300	1,400	-------	3,800	-------	8,900	-------	1,640	1,320	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	5,680	620	1,820	1.21	1.40
November	8,120	2,530	5,240	3.49	3.89
December	5,680	1,300	2,000	1.33	1.53
January	1,700	1,050	1,320	.880	1.01
February	1,450	580	921	.614	.64
March	4,000	580	2,040	1.36	1.57
April	14,100	3,800	7,020	4.68	5.22
May	8,900	2,380	4,230	2.82	3.25
June	8,640	920	3,770	2.51	2.80
July	1,700	585	911	.607	.70
August	2,840	675	1,510	1.01	1.16
September	2,240	484	932	.621	.69
The year	14,100	484	2,640	1.76	23.86

PISCATAQUIS RIVER NEAR FOXCROFT, ME.

LOCATION.—Staff gage at Lows Bridge, three-quarters of a mile above mouth of Black Stream, and 4½ miles above Foxcroft, Piscataquis County.

DRAINAGE AREA.—286 square miles.

RECORDS AVAILABLE.—August, 1902, to September, 1927.

EXTREMES.—Maximum discharge during year, 7,000 second-feet November 20 (gage height, 9.0 feet); minimum, 15 second-feet March 2 (gage height, 1.40 feet).

1902–1927: Maximum discharge, about 21,700 second-feet September 29, 1909; minimum, 5 second-feet August 6, 1905, and November 22, 1908.

REMARKS.—Records fair. Flow regulated by operation of power plants. Discharge estimated December 5 to March 28 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	114	430	940	265	305	37	870	460	1,270	82	102	128
2	114	400	695	250	225	26	590	800	1,270	87	82	209
3	39	345	625	260	174	32	460	660	1,180	40	114	294
4	141	400	520	260	174	44	490	625	1,100	109	114	249
5	141	400	460	265	180	54	625	625	1,100	191	114	294
6	102	294	430	265	140	50	905	625	1,100	89	72	229
7	114	229	395	260	156	60	980	520	980	50	47	157
8	128	249	385	235	160	68	1,140	590	765	141	54	141
9	209	276	385	230	174	72	1,180	660	520	229	136	114
10	64	3,120	385	250	210	72	490	590	520	91	128	82
11	128	1,950	400	255	91	82	695	800	460	72	141	57
12	91	1,270	405	250	44	83	1,060	800	345	64	114	141
13	91	940	390	240	44	72	1,100	980	400	272	91	194
14	141	800	370	235	102	210	870	1,270	400	96	91	91
15	141	800	355	205	148	440	625	1,100	320	119	430	50
16	102	870	355	190	132	625	765	1,270	249	57	660	50
17	128	2,780	345	215	114	835	980	1,270	209	57	400	57
18	345	2,450	330	215	104	910	1,750	1,060	114	64	294	57
19	294	3,000	295	210	44	1,020	2,350	1,950	114	91	128	50
20	209	5,960	320	220	44	1,120	2,560	870	209	141	91	91
21	91	2,560	320	250	64	1,000	2,560	520	82	141	57	57
22	91	2,150	315	270	64	835	1,950	800	64	128	91	57
23	157	1,550	310	215	64	675	1,270	2,250	50	102	102	64
24	173	1,450	305	205	66	570	1,180	2,050	50	34	102	34
25	1,360	1,180	295	200	60	490	1,270	1,360	50	191	91	34
26	1,180	1,180	265	205	60	450	1,270	1,270	34	167	91	50
27	730	1,360	285	220	44	420	1,020	1,950	85	180	64	50
28	400	1,360	295	235	48	430	870	4,200	119	389	34	50
29	345	1,550	295	240	-------	460	1,270	3,480	69	229	82	50
30	141	1,100	285	240	-------	940	1,140	2,560	68	91	141	50
31	254	-------	280	250	-------	1,100	-------	1,650	-------	114	128	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,360	39	250	0.874	1.01
November	5,960	229	1,410	4.93	5.50
December	940	280	388	1.36	1.57
January	265	190	236	.825	.95
February	305	44	116	.406	.42
March	1,120	26	428	1.50	1.73
April	2,560	460	1,140	3.99	4.45
May	4,200	460	1,280	4.48	5.16
June	1,270	34	440	1.54	1.72
July	389	40	126	.441	.51
August	660	34	141	.493	.57
September	294	34	108	.378	.42
The year	5,960	26	506	1.77	24.01

PISCATAQUIS RIVER AT MEDFORD, ME.

LOCATION.—Staff gage at lower ferry in Medford, Piscataquis County, 1¾ miles above mouth of Schoodic Stream and 14 miles above confluence with Penobscot River.

DRAINAGE AREA.—1,170 square miles.

RECORDS AVAILABLE.—June, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, 19,600 second-feet November 20 (gage height, 11.0 feet); minimum, 252 second-feet September 19 (gage height, 2.10 feet).

1924–1927: Maximum discharge, 22,800 second-feet on November 17, 1925 (gage height, 11.9 feet); minimum, 172 second-feet November 10, 1924 (gage (height, 1.82 feet).

Maximum stage known, 20.8 feet May 1, 1923.

REMARKS.—Records good. Discharge estimated December 5 to March 26 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	940	1,670	4,070	1,070	1,360	790	1,910	2,440	6,610	700	740	820
2	560	2,300	3,710	1,020	1,270	790	1,670	2,440	5,030	665	780	1,240
3	630	2,170	2,440	1,020	1,190	790	1,240	2,300	3,890	665	740	1,560
4	780	1,910	2,040	1,010	1,100	790	1,790	2,040	2,300	700	700	1,320
5	630	1,370	1,730	1,010	1,030	795	3,530	1,910	4,070	780	630	1,100
6	560	1,140	1,500	1,010	990	805	3,710	2,300	7,360	860	630	1,320
7	665	1,100	1,450	1,010	950	810	3,890	2,300	7,110	700	560	820
8	700	1,100	1,350	1,000	950	820	3,890	2,170	5,230	860	560	1,190
9	700	1,140	1,330	1,010	965	820	3,360	2,040	3,890	1,140	595	940
10	700	5,230	1,320	1,020	980	830	3,040	1,790	2,730	1,020	1,280	860
11	525	9,520	1,310	1,040	980	850	3,040	1,790	2,300	860	980	665
12	595	5,660	1,300	1,080	965	875	3,200	2,580	2,040	860	980	740
13	490	3,530	1,350	1,080	925	890	3,710	2,730	1,790	740	860	780
14	665	3,040	1,350	1,040	890	900	3,710	3,040	1,420	780	860	860
15	820	2,730	1,330	1,010	890	930	3,360	3,040	1,140	780	1,620	860
16	700	2,880	1,320	980	890	1,160	3,200	3,710	1,140	780	2,440	820
17	630	5,030	1,300	970	890	1,600	4,260	4,070	1,140	1,100	2,170	740
18	1,020	8,680	1,290	980	885	1,750	4,830	4,070	1,060	1,020	1,670	595
19	1,620	6,860	1,250	1,000	875	1,800	5,030	4,260	980	820	1,420	312
20	1,370	18,900	1,220	1,040	860	1,940	6,130	3,200	900	740	940	900
21	1,280	13,500	1,160	1,070	835	1,900	7,110	2,880	820	740	860	820
22	1,140	9,520	1,100	1,100	845	1,610	7,360	3,530	780	630	665	820
23	1,370	7,360	1,100	1,130	850	1,500	6,860	4,830	820	630	780	780
24	980	5,440	1,090	1,150	850	1,380	8,960	5,440	780	630	780	780
25	2,170	4,070	1,050	1,160	850	1,260	7,110	4,070	700	665	740	560
26	4,640	3,710	1,170	1,140	845	1,060	4,070	4,070	780	700	460	740
27	3,200	4,070	1,180	1,100	830	940	5,030	4,450	740	820	980	700
28	1,910	7,360	1,170	1,100	790	1,140	3,890	11,900	780	380	665	740
29	1,560	5,030	1,160	1,120	-------	1,190	3,710	11,600	740	630	630	780
30	1,460	4,640	1,170	1,190	-------	1,460	2,880	9,240	700	1,100	700	740
31	1,240	-------	1,170	1,320	-------	1,790	-------	7,620	-------	780	740	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	4,640	490	1,170	1.00	1.15
November	18,900	1,100	5,020	4.29	4.79
December	4,070	1,050	1,500	1.28	1.48
January	1,320	970	1,060	.906	1.04
February	1,360	790	948	.810	.84
March	1,940	790	1,160	.991	1.14
April	8,960	1,240	4,180	3.57	3.98
May	11,900	1,790	4,000	3.42	3.94
June	7,360	700	2,330	1.99	2.22
July	1,140	380	783	.669	.77
August	2,440	460	940	.803	.93
September	1,560	312	863	.738	.82
The year	18,900	312	1,990	1.70	23.10

SEBEC RIVER AT SEBEC, ME.

LOCATION.—Water-stage recorder 1,000 feet below highway bridge and dam at outlet of Sebec Lake, Sebec, Piscataquis County.

DRAINAGE AREA.—344 square miles.

RECORDS AVAILABLE.—October, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, 2,830 second-feet May 31 (gage height, 6.17 feet); minimum, 84 second-feet November 6 (gage height, 1.83 feet).

1924–1927: Maximum discharge, 3,670 second-feet November 16, 1925 (gage height, 7.25 feet); minimum, 20 second-feet January 25, 1925 (gage height, 1.36 feet).

REMARKS.—Records good. Flow ordinarily regulated completely by dams and storage reservoirs. Discharge estimated June 23, July 8, 9, 28, and August 14–16.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	280	325	1,150	300	435	335	1,400	685	2,050	310	310	295
2	250	250	985	265	425	350	1,300	815	1,310	255	305	300
3	172	295	850	430	430	375	1,060	840	1,030	205	290	250
4	295	285	690	415	435	330	925	795	765	198	280	196
5	270	300	495	430	390	315	795	695	720	285	270	215
6	310	215	595	455	260	225	790	485	1,310	310	225	245
7	260	185	515	430	405	400	810	470	1,700	295	198	420
8	280	335	490	380	415	380	820	360	1,480	300	320	370
9	260	285	465	270	405	370	865	445	1,270	270	305	300
10	160	250	450	460	415	385	1,020	495	1,170	205	280	275
11	335	220	430	440	435	390	1,330	635	1,100	315	260	210
12	285	260	350	420	360	340	1,310	1,190	940	295	285	315
13	335	235	455	410	250	215	1,320	975	535	305	280	315
14	255	192	470	405	425	290	1,280	490	300	315	200	315
15	305	390	470	350	410	395	1,230	435	310	295	280	320
16	290	360	460	285	390	400	1,160	590	320	265	280	285
17	128	360	480	390	385	400	1,050	605	335	215	280	275
18	310	335	400	395	400	400	1,200	670	275	310	280	210
19	260	800	300	410	335	405	1,070	690	220	325	280	270
20	340	2,140	405	385	245	235	1,220	940	320	315	250	325
21	245	2,320	405	400	390	400	1,250	1,030	335	310	180	345
22	265	2,330	415	365	325	395	1,480	980	340	290	285	325
23	305	1,950	415	265	390	420	1,780	1,320	330	265	290	280
24	140	1,040	395	425	390	415	1,740	1,630	320	225	305	235
25	295	760	430	445	405	415	1,530	1,600	310	300	295	205
26	235	875	580	460	330	380	1,350	1,610	210	285	300	340
27	235	1,410	665	450	220	380	1,500	1,580	330	305	260	330
28	270	1,670	660	465	355	770	1,370	1,820	315	310	205	335
29	310	1,300	660	400	-------	910	1,160	2,160	315	315	310	330
30	210	1,140	550	275	-------	1,220	960	2,390	300	280	315	270
31	220	-------	400	430	-------	1,420	-------	2,610	-------	215	295	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	340	128	262	0.762	0.88
November	2,330	186	760	2.21	2.47
December	1,150	300	532	1.55	1.79
January	465	265	390	1.13	1.30
February	435	220	373	1.08	1.12
March	1,420	215	454	1.32	1.52
April	1,780	790	1,200	3.49	3.89
May	2,610	360	1,030	2.99	3.45
June	2,050	210	686	1.99	2.22
July	325	198	280	.814	.94
August	320	180	274	.797	.92
September	420	196	290	.843	.94
The year	2,610	128	544	1.58	21.44

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow.

PLEASANT RIVER AT MILO, ME.

LOCATION.—Chain gage at Snows Bridge in Milo, Piscataquis County, and 6¼ miles above confluence with Piscataquis River.

DRAINAGE AREA.—325 square miles.

RECORDS AVAILABLE.—June, 1920, to September, 1927.

EXTREMES.—Maximum discharge during year, 6,260 second-feet November 20 (gage height, 6.2 feet); minimum, 70 second-feet October 14 and August 6 (gage height, 2.40 feet).

1920–1927: Maximum discharge, 24,400 second-feet April 30, 1923 (gage height, 14.33 feet); minimum, 22 second-feet July 29, August 2, and September 11, 1921 (gage height, 2.10 feet).

REMARKS.—Records good. Flow partly regulated by power development at Brownville and by storage dams. Discharge estimated December 4 to March 28 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	265	767	1,300	270	470	205	670	1,100	1,740	199	228	342
2	187	1,170	1,040	250	410	215	690	980	1,580	181	204	416
3	222	1,040	610	245	360	235	690	650	1,100	181	170	712
4	253	630	520	235	360	265	680	490	650	316	164	573
5	170	375	470	250	360	295	723	416	1,240	265	153	468
6	159	375	425	260	375	295	860	1,040	3,060	228	75	222
7	153	253	375	205	295	295	860	860	2,360	234	131	246
8	204	389	350	245	330	295	690	1,300	1,440	389	175	800
9	181	375	350	245	370	295	573	860	1,170	482	199	860
10	159	3,480	350	245	375	310	564	920	734	348	573	253
11	199	3,480	370	350	375	310	505	980	660	284	505	199
12	175	2,260	395	350	360	320	530	690	610	240	482	259
13	159	1,240	415	350	350	320	712	1,040	548	228	246	199
14	148	1,170	425	335	330	330	680	1,040	490	175	193	199
15	204	1,240	410	350	295	340	610	1,100	438	216	980	284
16	199	1,580	390	310	310	355	660	1,300	505	328	1,040	342
17	159	3,480	380	350	295	360	920	1,440	600	539	1,040	204
18	475	3,700	370	395	295	370	1,300	1,660	522	389	690	199
19	389	3,260	360	425	295	370	1,040	1,440	452	216	498	389
20	302	6,020	360	390	285	370	1,900	1,100	348	187	271	375
21	302	3,920	350	430	285	375	3,060	1,300	187	181	265	328
22	240	2,460	340	430	295	380	3,060	1,510	216	158	265	240
23	322	1,900	320	375	310	390	2,460	1,900	222	131	240	348
24	328	1,580	315	360	295	400	3,260	1,370	216	131	193	296
25	800	1,370	295	380	270	410	2,260	980	222	210	430	210
26	1,740	1,240	285	360	245	425	920	745	271	234	416	302
27	860	1,440	295	295	235	440	1,300	920	175	253	175	316
28	530	2,080	290	350	215	460	1,240	3,920	222	368	136	296
29	498	1,510	310	375	-------	460	980	3,920	216	409	216	284
30	468	1,300	295	445	-------	564	690	2,660	204	284	271	290
31	490	-------	270	565	-------	640	-------	1,990	-------	204	309	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,740	148	353	1.09	1.26
November	6,020	253	1,840	5.66	6.32
December	1,300	270	420	1.29	1.49
January	565	205	336	1.03	1.19
February	470	215	323	.994	1.04
March	640	205	358	1.1	1.27
April	3,260	505	1,170	3.60	4.02
May	3,920	416	1,340	4.12	4.75
June	3,060	175	747	2.30	2.57
July	539	131	264	.812	.94
August	1,040	75	353	1.09	1.26
September	860	199	348	1.07	1.19
The year	6,020	75	653	2.01	27.30

PASSADUMKEAG RIVER AT LOWELL, ME.

LOCATION.—Water-stage recorder half a mile below dam and highway bridge at Lowell, Penobscot County, and 10 miles above mouth of river.
DRAINAGE AREA.—301 square miles.
RECORDS AVAILABLE.—October, 1915, to September, 1927.
EXTREMES.—Maximum discharge during year, 1,460 second-feet June 1 (gage height, 4.30 feet); minimum, 59 second-feet April 1 (gage height, 0.82 foot). 1916–1927: Maximum discharge, 5,680 second-feet May 2, 1923; minimum (estimated), 5 second-feet several times in July and August, 1921.
REMARKS.—Records good except those for period of ice effect, December 15 to March 13, which are fair. Distribution of flow affected by storage reservoirs.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	198	805	925	250	345	122	430	925	1,340	554	246	291
2	240	735	925	250	310	126	608	850	1,230	532	235	297
3	246	666	925	245	290	134	630	800	1,130	524	224	312
4	243	608	775	245	270	144	630	725	1,130	512	219	332
5	238	558	850	245	250	154	630	700	1,190	492	209	356
6	230	460	725	245	230	166	652	675	1,280	472	201	362
7	230	432	725	245	215	182	652	675	1,280	452	198	352
8	235	444	652	245	200	198	652	652	1,250	436	152	328
9	238	436	652	240	190	220	630	608	1,250	420	158	297
10	230	500	630	240	178	240	630	585	1,220	400	206	265
11	222	652	608	240	170	260	608	608	1,190	384	232	232
12	219	800	585	240	160	280	562	630	1,190	366	249	204
13	214	825	608	240	152	310	520	608	1,040	348	257	188
14	217	825	549	240	148	335	480	608	952	332	262	178
15	217	800	515	250	142	362	444	652	875	306	257	169
16	219	800	490	255	136	452	356	700	850	306	257	163
17	219	750	460	265	134	549	362	775	825	325	262	158
18	243	750	440	280	132	630	408	850	800	332	268	154
19	276	750	410	305	130	700	460	875	775	328	268	146
20	294	800	390	335	128	800	395	875	725	319	268	146
21	300	850	370	365	126	900	524	900	675	303	251	161
22	312	825	355	400	124	900	715	900	630	285	224	176
23	325	825	340	445	124	850	750	900	554	271	204	181
24	362	800	325	455	122	775	850	875	544	268	188	181
25	558	800	310	455	120	700	1,100	850	562	271	194	172
26	750	775	300	460	120	675	1,130	900	558	282	214	158
27	835	825	290	445	118	630	1,130	900	567	294	246	152
28	947	875	275	430	118	576	1,100	1,100	576	297	265	150
29	958	900	270	430	-------	532	1,040	1,250	576	291	274	148
30	958	925	260	400	-------	500	952	1,250	562	276	279	144
31	900	-------	255	370	-------	504	-------	1,250	-------	260	288	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	958	198	383	1.27	1.46
November	925	432	727	2.42	2.70
December	925	255	522	1.73	1.99
January	460	240	315	1.05	1.21
February	345	118	174	.578	.60
March	900	122	449	1.49	1.72
April	1,130	356	668	2.22	2.48
May	1,250	585	821	2.73	3.15
June	1,340	544	908	3.02	3.37
July	554	260	363	1.21	1.40
August	288	152	234	.777	.90
September	362	144	218	.724	.81
The year	1,340	118	483	1.60	21.79

KENNEBEC RIVER BASIN

MOOSEHEAD LAKE AT EAST OUTLET, ME.

LOCATION.—Staff gage at wharf at east outlet of lake, at Moosehead, Piscataquis County. Zero of gage is 1,011.20 feet above mean sea level.
DRAINAGE AREA.—1,240 square miles.
RECORDS AVAILABLE.—April, 1895, to September, 1927.
REMARKS.—Lake is regulated to capacity of 23,735,000,000 cubic feet. Records show only fluctuations in lake level and are used in studies of regulation of lake and in computing natural flow of Kennebec River at the Forks. Record furnished by Hollingsworth & Whitney Co.

Daily gage height, in feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13.35	12.7	14.5						17.5	17.35	16.45	
2					13.6	12.5	12.35	14.9				15.9
3		12.7	14.6	14.45					17.45		16.45	
4	13.25				13.55	12.35	12.3	15.0		17.3		
5		12.7		14.45							16.35	15.9
6	13.15		14.7				12.4	15.2	17.45	17.25		
7				14.4	13.45	12.2						15.85
8	13.05	12.7	14.7				12.5		17.4	17.2	16.2	
9					13.3	12.15		15.45				
10		12.8	14.75	14.3					17.4		16.15	
11	12.9				13.25	12.05	12.65	15.6		17.1		
12		12.9		14.25							16.05	15.7
13	12.8		14.7				12.7	15.65	17.4	17.05		
14				14.2	13.1	11.9						15.6
15	12.7	13.0	14.7				12.8		17.35	16.95	16.25	
16					13.0	11.85		15.85				15.45
17		13.2	14.7	14.15					17.4		16.25	
18	12.7				12.95	11.85	13.0	16.05		16.85		
19		13.3		14.1							16.2	15.35
20	12.6		14.65				13.2	16.25	17.5	16.8		
21				14.0	12.8	12.0						15.25
22	12.6	13.8	14.65				13.6		17.5	16.7	16.15	
23					12.7	12.1		16.5				15.15
24		13.95	14.6	13.95					17.5		16.1	
25	12.6				12.65	12.1	14.1	16.65		16.6		
26		14.0		13.85							16.0	15.05
27	12.65		14.5				14.4	16.85	17.45	16.55		
28				13.75	12.55	12.15						14.95
29	12.7	14.3	14.55				14.6		17.45	16.5	15.9	
30						12.2		17.4				14.85
31			14.5	13.7							15.95	

KENNEBEC RIVER AT MOOSEHEAD, ME.

LOCATION.—Water-stage recorder about one-eighth mile below east outlet dam on Moosehead Lake and half a mile northwest of Moosehead, Piscataquis County.

DRAINAGE AREA.—1,240 square miles.

RECORDS AVAILABLE.—October, 1919, to September, 1927.

EXTREMES.—Maximum discharge during year, 8,720 second-feet June 4 and 5 (gage height, 7.48 feet); minimum, 194 second-feet March 16–18 (gage height, 2.34 feet).

1919–1927: Maximum discharge, about 13,400 second-feet May 12, 13, 1920; minimum, about 62 second-feet April 7–15, 1923.

REMARKS.—Records good. Leakage and occasional opening of gates in west outlet dam diverts some water down west channel. Flow regulated by operation of gates at Moosehead Lake. Discharge estimated October 1–6, 10–15, and July 5–13.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,540	606	310	1,670	1,970	1,970	450	745	4,270	1,910	1,540	1,300
2	1,590	534	530	1,640	1,960	1,940	320	370	4,410	2,270	785	1,060
3	1,610	527	694	1,630	1,940	1,930	400	365	3,350	2,160	725	930
4	1,650	583	570	1,630	1,930	1,960	400	620	3,308	2,100	1,590	894
5	1,650	686	654	1,690	1,900	2,000	300	370	7,600	2,100	1,580	995
6	1,510	750	995	1,710	1,920	2,030	227	375	5,790	2,070	1,590	1,150
7	1,420	785	1,130	1,710	1,940	1,980	231	700	5,320	2,070	1,590	1,430
8	1,420	831	1,130	1,710	1,940	1,980	231	825	5,170	2,120	1,580	1,570
9	1,380	805	1,320	1,700	1,920	2,030	231	625	4,080	2,030	1,590	1,630
10	1,480	380	1,240	1,690	1,900	2,080	231	615	3,220	1,900	1,590	1,610
11	1,580	268	1,310	1,690	1,930	2,110	231	424	3,380	2,030	1,590	1,550
12	1,600	268	1,460	1,670	1,960	2,110	235	430	4,140	2,400	1,590	1,530
13	1,610	268	1,310	1,660	1,930	2,120	239	775	2,780	2,650	1,690	1,630
14	1,530	264	1,360	1,720	1,920	2,110	239	930	2,550	2,440	1,870	1,590
15	1,570	260	1,460	1,740	1,930	1,920	243	760	1,580	2,390	1,050	1,570
16	1,580	264	1,250	1,740	1,960	965	243	645	1,080	2,300	670	1,570
17	1,430	273	1,350	1,810	1,940	194	247	400	1,240	2,430	930	1,580
18	1,280	278	1,470	1,800	1,970	198	247	670	1,250	1,980	990	1,550
19	1,220	278	1,460	1,810	2,030	204	255	502	1,170	1,900	1,100	1,450
20	1,180	282	1,210	1,810	2,000	204	255	1,010	1,460	1,900	1,260	1,400
21	1,150	286	1,080	1,810	1,970	212	260	1,070	1,270	1,880	1,460	1,390
22	1,140	286	1,080	1,800	1,940	215	268	1,020	1,800	1,870	1,440	1,380
23	1,140	291	1,080	1,800	2,010	625	278	640	1,730	1,840	1,470	1,370
24	1,100	296	1,080	1,750	1,970	960	278	740	2,100	1,760	1,580	1,360
25	560	300	1,070	1,760	1,970	1,340	355	565	1,970	1,750	1,630	1,340
26	260	300	1,060	1,760	1,970	1,230	495	860	1,970	1,760	1,660	1,320
27	264	300	1,150	1,800	1,980	1,030	425	1,020	1,570	1,780	1,760	1,260
28	264	300	1,320	1,840	2,010	921	305	2,060	1,690	1,780	1,830	1,330
29	465	300	1,510	1,810	-------	840	310	6,580	2,080	1,780	1,780	1,380
30	654	310	1,670	1,790	-------	849	315	7,480	2,060	1,700	1,460	1,390
31	484	-------	1,670	1,850	-------	831	-------	4,460	-------	1,640	1,000	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,650	260	1,200	0.968	1.12
November	831	260	405	.327	.36
December	1,670	310	1,160	.935	1.08
January	1,850	1,630	1,740	1.40	1.61
February	2,030	1,900	1,950	1.57	1.64
March	2,120	194	1,330	1.07	1.23
April	495	227	291	.235	.26
May	7,480	365	1,250	1.01	1.16
June	7,600	1,080	2,840	2.29	2.56
July	2,650	1,640	2,020	1.63	1.88
August	1,870	670	1,420	1.15	1.33
September	1,630	894	1,380	1.11	1.24
The year	7,600	194	1,410	1.14	15.47

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin. Estimated discharge, in second-feet, released in west channel when gates were open and not included in the above records are as follows: June 2, 300; June 3–14, 600; June 15 to Sept. 12, 100; Sept. 13–30, 400.

KENNEBEC RIVER AT THE FORKS, ME.

LOCATION.—Water-stage recorder half a mile above highway bridge and 1 mile above mouth of Dead River at The Forks, Somerset County.

DRAINAGE AREA.—1,570 square miles.

RECORDS AVAILABLE.—September, 1901, to September, 1927.

EXTREMES.—Maximum discharge during year, 11,600 second-feet May 29 (gage height, 7.10 feet); minimum, 556 second-feet October 24 (gage height, 1.96 feet).

1901–1927: Maximum discharge, 23,700 second-feet June 18, 1917 (gage height, 10.1 feet); minimum, 215 second feet October 27, 1911 (gage height, 0.3 foot).

REMARKS.—Records good. Flow regulated by storage in Moosehead Lake. Discharge December 3 to March 12 estimated because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,540	757	990	1,850	2,200	2,000	1,350	1,270	6,200	2,030	1,950	1,350
2	1,660	793	950	1,850	2,300	2,100	950	802	6,200	2,370	2,190	1,540
3	1,730	739	1,250	1,850	2,300	2,000	940	775	5,630	2,420	2,370	1,290
4	1,730	739	1,400	1,900	2,200	2,000	990	830	4,940	2,420	2,280	1,230
5	1,730	775	1,400	1,900	2,100	2,100	1,020	880	7,900	2,460	2,030	1,180
6	1,800	880	1,500	1,900	2,100	2,100	970	1,180	7,520	2,240	2,030	1,290
7	1,540	900	2,000	1,900	2,100	2,100	990	1,570	7,060	2,710	2,110	1,410
8	1,470	950	2,000	1,900	2,100	2,200	850	1,360	7,260	2,680	2,110	1,660
9	1,410	990	1,900	1,900	2,100	2,200	811	1,040	6,200	2,520	2,190	1,800
10	1,470	1,350	1,900	1,900	2,100	2,200	766	1,070	4,900	2,320	2,110	1,800
11	1,600	1,180	1,600	1,900	2,100	2,200	757	1,120	4,790	2,390	2,110	1,870
12	1,660	1,020	1,650	1,900	2,100	2,200	950	1,280	5,680	2,550	2,110	1,730
13	1,660	840	1,700	1,900	2,100	2,190	1,000	1,810	4,930	2,510	2,190	2,030
14	1,730	739	1,600	1,900	2,100	2,280	860	1,870	4,200	2,700	2,370	1,870
15	1,540	666	1,600	1,900	2,100	2,280	820	1,350	2,550	2,730	3,330	2,030
16	1,660	674	1,600	1,900	2,100	2,030	1,180	1,820	1,800	2,930	1,950	2,110
17	1,600	1,470	1,600	1,950	2,100	920	1,410	1,470	1,680	2,760	1,660	2,110
18	1,470	2,740	1,650	1,950	2,100	706	1,410	1,660	1,670	2,200	1,600	2,110
19	1,410	3,530	1,700	1,950	2,100	811	1,800	1,600	1,470	2,110	1,600	2,110
20	1,290	4,680	1,500	2,000	2,100	930	2,190	1,850	1,730	2,190	1,540	2,003
21	1,290	3,970	1,400	2,000	2,100	980	2,190	2,390	1,660	2,190	1,730	1,950
22	1,230	2,740	1,350	2,000	2,100	920	1,470	1,250	1,800	2,190	1,800	1,950
23	1,230	1,410	1,350	2,000	2,100	840	1,350	1,850	2,340	2,190	1,660	2,030
24	1,230	1,180	1,350	2,000	2,300	1,230	1,800	3,030	2,210	2,190	1,730	2,030
25	1,350	1,020	1,350	2,000	2,300	1,470	1,870	1,600	1,870	2,190	1,800	2,030
26	950	980	1,350	2,000	2,200	1,730	1,660	1,600	1,950	2,110	1,800	2,030
27	748	1,230	1,400	2,000	2,200	1,540	1,410	2,430	1,870	1,950	1,870	2,030
28	674	1,180	1,500	2,000	2,100	1,350	1,290	5,360	1,870	2,110	1,950	2,030
29	587	960	1,700	2,000	-------	1,470	1,180	10,700	1,800	2,030	2,030	2,110
30	757	940	1,850	2,000	-------	1,350	890	11,000	2,030	2,110	2,030	2,030
31	830	-------	1,900	2,000	-------	1,470	-------	7,530	-------	2,030	1,540	-------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
October	1,800	587	1,370	546	0.348	0.40
November	4,680	666	1,400	3,470	2.21	2.47
December	2,000	950	1,550	1,670	1.06	1.22
January	2,000	1,850	1,940	994	.633	.73
February	2,300	2,100	2,140	640	.408	.42
March	2,280	706	1,670	1,320	.841	.97
April	2,190	757	1,240	4,220	2.69	3.00
May	11,000	775	2,430	5,720	3.64	4.20
June	7,900	1,470	3,790	3,730	2.38	2.66
July	2,930	1,950	2,340	1,200	.764	.88
August	3,330	1,540	1,990	1,390	.885	1.02
September	2,110	1,180	1,830	480	.306	.34
The year	11,000	587	1,970	2,120	1.35	18.31

KENNEBEC RIVER AT WATERVILLE, ME.

LOCATION.—Rod gages and water-stage recorder at dam of Hollingsworth & Whitney Co. at Waterville, Kennebec County, and 2 miles above Sebasticook River.

DRAINAGE AREA.—4,270 square miles.

RECORDS AVAILABLE.—March, 1892, to September, 1927.

REMARKS.—Discharge computed from flow over dam, and through logway and water wheels of mill. When flow is less than about 3,500 second-feet practically all passes through wheels. Numerous power plants and much storage above station; results not corrected for storage. Records furnished by Hollingsworth & Whitney Co.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,300	3,240	8,510	3,230	3,660	4,020	10,900	6,940	14,000	3,380	3,650	3,830
2	2,240	3,150	7,470	4,200	3,650	3,260	9,240	6,610	13,000	3,510	3,640	3,190
3	1,330	3,360	3,740	3,500	3,860	3,640	9,300	5,360	12,000	2,560	3,170	2,840
4	2,310	2,960	4,490	3,570	3,660	3,610	8,830	4,890	10,200	3,840	3,420	3,920
5	2,090	3,150	2,840	3,680	3,300	2,990	8,040	4,410	11,100	3,900	3,480	2,980
6	2,080	2,350	3,320	3,300	1,900	1,630	7,850	4,400	16,300	4,120	3,150	3,120
7	2,170	1,880	3,480	3,650	3,410	4,000	8,110	6,250	16,600	4,000	2,070	3,220
8	2,390	2,490	3,230	3,400	3,610	3,710	8,420	5,870	12,100	4,280	3,240	2,870
9	2,150	2,680	3,560	2,940	3,500	3,790	7,250	6,320	11,600	3,720	3,130	2,970
10	1,400	15,400	3,770	3,510	3,480	3,780	6,770	5,800	9,970	4,700	3,170	2,780
11	2,250	13,000	3,900	3,640	3,530	3,540	5,790	5,270	8,570	3,890	3,120	1,270
12	2,280	8,150	3,840	3,710	2,890	4,170	5,260	5,280	8,860	3,840	3,080	3,010
13	2,150	6,170	4,310	3,110	1,700	2,540	4,930	8,660	9,200	4,270	3,160	2,980
14	2,230	5,500	4,490	3,270	3,460	4,310	8,280	15,400	8,920	3,410	2,140	3,030
15	2,470	4,620	4,470	3,180	3,660	5,400	6,690	12,500	6,960	4,170	3,270	2,660
16	1,990	4,340	4,320	3,340	3,310	7,440	6,520	13,300	5,850	3,490	5,210	2,500
17	1,800	9,570	4,140	3,580	3,340	11,200	8,810	14,200	5,490	2,870	4,580	2,440
18	2,430	18,700	3,330	3,540	3,310	11,200	10,500	11,700	3,440	4,600	3,840	2,240
19	2,870	33,100	2,600	3,490	3,020	15,600	12,600	12,200	2,560	4,240	2,970	2,790
20	2,580	41,200	3,310	3,280	2,540	16,300	17,100	10,800	4,800	3,120	2,000	3,160
21	2,730	24,800	3,460	3,580	3,360	15,400	19,500	11,600	3,840	3,050	1,300	3,240
22	2,240	18,600	3,380	4,290	3,410	14,400	17,700	12,200	3,420	3,090	2,900	2,840
23	2,210	12,700	3,350	3,230	3,250	9,350	16,000	14,500	3,760	2,710	2,910	2,740
24	1,720	10,400	3,300	3,730	3,670	7,960	19,400	16,500	3,420	2,090	2,510	2,240
25	4,410	7,090	2,350	4,150	3,350	7,520	16,900	12,900	2,750	3,650	2,650	1,940
26	7,260	9,930	2,710	3,850	3,020	7,190	13,100	12,400	2,500	4,380	2,840	2,670
27	6,890	8,090	3,700	3,570	2,450	7,360	11,900	16,900	3,550	3,330	1,940	2,890
28	5,530	9,060	3,290	3,370	3,350	8,170	10,600	22,500	3,640	3,620	1,680	3,020
29	4,140	7,770	3,060	3,110	------	8,230	8,770	21,300	3,080	3,110	3,100	2,360
30	3,890	7,920	3,140	3,160	------	10,200	7,010	21,200	3,480	3,400	3,440	2,620
31	2,370	------	3,280	3,510	------	9,620	------	18,700	------	3,380	3,810	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	7,260	1,330	2,800	0.656	0.76
November	41,200	1,880	10,000	2.34	2.61
December	8,510	2,350	3,810	.892	1.03
January	4,290	2,940	3,510	.822	.95
February	3,860	1,700	3,240	.759	.79
March	16,300	1,630	7,150	1.67	1.92
April	19,500	4,930	10,400	2.44	2.72
May	22,500	4,400	11,200	2.62	3.02
June	16,600	2,500	7,500	1.76	1.96
July	4,700	2,090	3,600	.843	.97
August	5,210	1,300	3,050	.714	.82
September	3,920	1,270	2,810	.658	.73
The year	41,200	1,270	5,760	1.35	18.28

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin.

DEAD RIVER AT THE FORKS, ME.

LOCATION.—Water-stage recorder 1½ miles west of The Forks, Somerset County.
DRAINAGE AREA.—878 square miles.
RECORDS AVAILABLE.—September, 1901, to August, 1907; March, 1910, to September, 1927.
EXTREMES.—Maximum discharge during year, 12,800 second-feet May 10 (gage height, 7.37 feet); minimum, 224 second-feet October 5 (gage height, 1.84 feet).

1901–1907, 1910–1927: Maximum discharge, 23,800 second-feet April 30, 1923 (gage height, 8.15 feet); minimum stage, 0.2 foot September 12, 13, 17, 1918 (discharge not determined).

REMARKS.—Records good. Some storage on lakes. Discharge December 3 to March 19 estimated because of ice effect and August 15 to September 3 because of backwater from logs.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	346	800	1,380	560	430	350	956	1,220	3,240	509	491	765
2	302	800	1,230	520	420	350	992	1,610	2,830	491	482	735
3	274	778	900	490	410	350	1,050	1,090	2,440	527	563	835
4	248	723	720	480	400	350	1,050	930	1,960	563	572	800
5	224	660	660	480	390	350	1,100	944	1,940	650	536	695
6	248	630	580	480	390	350	1,160	1,400	1,720	572	509	670
7	346	581	560	470	380	350	1,310	1,160	1,880	518	491	680
8	428	554	600	470	380	330	1,380	1,490	1,960	554	464	575
9	545	563	660	470	380	330	1,320	1,500	2,150	660	464	585
10	446	1,160	760	480	380	330	1,180	1,760	1,860	620	402	560
11	378	2,540	780	480	380	340	872	992	1,620	563	402	580
12	330	2,440	680	480	380	350	896	1,710	1,680	527	378	540
13	302	1,720	520	480	370	380	1,390	2,150	1,700	509	362	540
14	302	1,370	520	480	360	460	1,240	5,050	1,500	518	428	362
15	302	1,140	520	480	350	560	1,080	3,110	1,120	518	650	386
16	302	1,080	520	480	350	960	1,250	4,350	789	509	765	370
17	309	2,210	500	470	350	1,300	1,800	4,050	872	536	765	362
18	346	3,670	500	470	350	1,750	3,060	4,240	944	545	670	330
19	419	4,140	540	470	350	2,200	4,280	2,240	908	536	680	527
20	437	5,650	840	470	350	2,630	6,410	3,050	680	500	650	536
21	446	5,520	880	470	350	2,630	7,200	3,550	660	473	490	536
22	402	5,260	820	470	350	2,440	7,140	3,340	640	464	570	536
23	394	2,930	760	470	350	2,030	6,800	5,580	620	455	590	500
24	428	2,060	720	480	350	1,690	6,990	5,260	610	473	555	464
25	701	1,690	700	500	350	1,450	5,700	4,630	572	545	535	437
26	1,630	1,500	680	490	350	1,320	4,730	3,900	572	536	535	402
27	2,210	1,510	660	480	350	1,230	3,670	3,670	563	464	545	386
28	1,560	1,320	660	470	350	1,100	2,810	4,020	554	491	690	354
29	1,160	1,520	660	460	------	1,030	2,340	4,020	545	600	725	346
30	956	1,440	620	450	------	980	2,210	3,780	536	563	860	330
31	848	------	580	440	------	944	------	3,450	------	509	835	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	2,210	224	567	0.646	0.74
November	5,650	554	1,930	2.20	2.46
December	1,380	500	700	.797	.92
January	560	440	479	.546	.63
February	430	350	370	.421	.44
March	2,630	330	1,010	1.15	1.33
April	7,200	872	2,780	3.17	3.54
May	5,580	930	2,880	3.28	3.78
June	3,240	536	1,320	1.50	1.67
July	660	455	532	.606	.70
August	860	362	569	.648	.75
September	835	330	524	.597	.67
The year	7,200	224	1,140	1.30	17.63

CARRABASSETT RIVER NEAR NORTH ANSON, ME.

LOCATION.—Water-stage recorder 3 miles above North Anson, Somerset County.
DRAINAGE AREA.—351 square miles.
RECORDS AVAILABLE.—August, 1925, to September, 1927. November, 1901, to May, 1907, at site 1 mile upstream.
EXTREMES.—Maximum discharge during year, 9,280 second-feet November 19 (gage height, 10.99 feet); minimum, 26 second-feet for short periods October 3, 4, 6, 7–13 (gage height, 2.19 feet).
1925–1927: Maximum discharge, that of November 19, 1926; minimum, 25 second-feet September 15, 1926 (gage height, 2.18 feet).
REMARKS.—Records good. Low-water flow regulated by power plant. Discharge estimated December 5 to March 18, because of ice effect, July 19, 20, when recorder was not operating, and July 21–23 and September 24–30, because of backwater.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	99	545	1,070	192	210	180	950	604	1,210	209	241	286
2	92	540	662	192	174	178	985	598	880	216	213	263
3	44	216	610	200	200	174	950	560	712	189	262	465
4	128	248	480	200	200	160	950	526	576	108	175	415
5	90	244	470	200	192	152	950	632	1,210	347	171	286
6	90	205	460	205	192	148	1,020	1,170	1,700	216	157	259
7	74	196	450	205	205	160	1,290	1,250	1,620	183	78	244
8	122	210	425	205	170	178	1,250	985	1,060	293	179	277
9	106	200	390	186	186	188	1,130	570	626	460	142	156
10	50	2,250	365	188	170	186	950	526	548	290	136	144
11	102	1,740	320	180	168	192	797	771	626	216	119	73
12	92	1,190	305	174	170	198	810	790	604	230	114	174
13	76	915	305	186	170	205	985	1,370	808	183	111	190
14	89	780	305	182	178	280	1,090	2,140	430	192	57	223
15	88	565	315	178	186	460	1,020	1,530	391	269	442	185
16	77	470	315	170	182	1,110	950	2,860	386	198	544	209
17	82	2,930	285	174	186	1,880	1,490	2,040	368	127	384	187
18	154	2,650	285	182	192	3,580	1,570	1,700	315	228	239	105
19	150	5,220	290	192	182	4,170	2,090	1,990	251	200	229	322
20	142	5,640	285	194	180	4,040	3,100	1,450	401	180	214	277
21	128	3,270	235	194	180	2,740	3,040	1,660	267	172	130	195
22	134	2,100	225	192	180	1,890	1,990	1,510	240	200	168	172
23	146	1,380	215	192	180	1,490	2,250	3,490	230	164	165	187
24	128	955	205	188	178	1,130	2,640	2,410	220	71	147	144
25	740	773	190	188	172	845	1,490	1,750	213	351	117	140
26	1,230	680	182	186	174	745	1,330	1,700	151	383	153	166
27	620	1,040	182	182	178	719	1,250	2,130	226	233	199	134
28	415	1,190	182	186	192	758	1,170	2,520	203	399	72	126
29	328	1,230	182	182	-------	719	985	2,090	204	406	142	100
30	282	1,270	182	170	-------	719	680	1,890	155	810	636	118
31	269	-------	186	205	-------	845	-------	1,570	-------	482	372	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,230	44	205	0.584	0.67
November	5,640	196	1,360	3.87	4.32
December	1,070	182	341	.972	1.12
January	205	170	189	.538	.62
February	210	168	183	.521	.54
March	4,170	148	981	2.79	3.22
April	3,100	680	1,370	3.90	4.35
May	3,490	526	1,510	4.30	4.96
June	1,700	151	561	1.60	1.78
July	482	71	265	.755	.87
August	636	57	210	.598	.69
September	465	73	204	.581	.65
The year	5,640	44	616	1.75	23.79

COBBOSSEECONTEE STREAM AT GARDINER, ME.

LOCATION.—Staff gage at dam of Gardiner Water Power Co. in Gardiner, Kennebec County.

DRAINAGE AREA.—220 square miles.

RECORDS AVAILABLE.—June 1890, to September, 1927.

REMARKS.—Discharge determined from flow over dam, through gates and waterwheels, and leakage. Daily discharge computed from tables based on coefficients and experiments. Flow regulated by numerous lakes in basin. Daily discharge record furnished by S. D. Warren Co., Cumberland Mills, Me.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	190	210	290	290	290	290	904	13	451	270	270	270
2	190	210	290	13	290	290	890	270	340	270	270	270
3	13	210	290	290	290	290	620	270	280	13	270	270
4	190	210	290	290	290	290	590	270	290	13	270	13
5	190	210	13	290	290	290	725	270	200	140	270	60
6	190	210	290	290	13	13	615	270	410	270	270	185
7	190	13	290	290	290	290	503	270	436	270	13	270
8	190	210	290	290	290	290	515	13	430	270	270	270
9	190	210	290	13	290	290	525	270	352	270	270	270
10	13	210	290	290	290	290	420	270	290	13	270	270
11	190	235	290	290	290	290	403	270	290	270	270	13
12	190	260	13	290	290	290	352	270	150	270	270	190
13	190	260	290	290	13	13	290	270	290	270	270	270
14	190	13	290	290	290	290	290	270	280	270	13	270
15	190	260	290	290	290	290	290	13	270	270	186	270
16	190	260	290	13	290	290	290	270	270	270	270	270
17	13	260	290	290	290	340	13	270	270	13	270	270
18	180	260	290	290	290	405	290	330	270	186	270	60
19	190	260	13	290	290	495	290	395	13	270	270	188
20	190	775	290	290	13	905	290	393	270	270	270	270
21	190	1,050	290	290	290	1,300	290	393	270	270	13	270
22	190	805	290	290	290	1,280	290	355	270	270	270	270
23	190	465	290	13	290	1,120	290	397	270	270	270	270
24	13	300	290	290	290	925	13	392	270	13	270	210
25	190	290	150	290	290	907	290	392	270	270	270	13
26	190	290	13	290	290	890	290	550	13	270	270	190
27	190	290	290	290	13	835	290	955	270	270	210	270
28	200	13	290	290	290	878	290	1,240	270	270	13	270
29	210	290	290	290	-------	878	290	1,720	270	270	184	270
30	210	290	290	13	-------	890	290	1,480	270	270	270	270
31	13	-------	290	290	-------	904	-------	660	-------	13	270	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	210	13	163	0.741	0.85
November	1,050	13	294	1.34	1.50
December	290	13	250	1.14	1.31
January	290	13	245	1.11	1.28
February	290	13	250	1.14	1.19
March	1,300	13	550	2.50	2.88
April	904	13	391	1.78	1.99
May	1,720	13	435	1.98	2.28
June	451	13	276	1.25	1.40
July	270	13	213	.968	1.12
August	270	13	229	1.04	1.20
September	270	13	217	.986	1.10
The year	1,720	13	293	1.33	18.10

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural run-off from basin.

ANDROSCOGGIN RIVER BASIN

ANDROSCOGGIN RIVER AT RUMFORD, ME.

LOCATION.—Gages in pond above each of two dams and in tailrace of power station of Rumford Falls Power Co., at Rumford, Oxford County.

DRAINAGE AREA.—2,090 square miles.

RECORDS AVAILABLE.—May, 1892, to September, 1927.

REMARKS.—Discharge computed from flow over dam and through wheels. Regulation from about 29,600,000,000 cubic feet storage ir Rangeley system of lakes. Records furnished by Charles A. Mixer, chief engineer, Rumford Falls Power Co.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,010	2,450	3,130	2,500	2,260	2,220	3,730	2,890	3,690	2,350	2,830	2,510
2	1,980	2,300	2,590	2,260	2,270	2,190	3,430	3,430	3,180	2,370	2,690	3,420
3	1,790	2,150	1,500	2,270	2,310	2,170	3,070	2,680	3,000	2,590	2,290	5,090
4	2,180	2,130	2,140	2,220	2,190	2,130	3,990	3,000	2,870	3,220	2,160	3,370
5	2,090	2,110	1,820	2,210	2,160	2,250	3,650	3,520	3,160	3,680	2,200	2,830
6	2,080	2,050	2,330	2,280	2,740	2,390	3,620	4,130	4,980	2,580	2,060	2,930
7	2,130	1,830	2,850	2,240	2,150	2,180	4,020	3,930	4,410	2,660	2,300	2,490
8	2,160	2,310	2,640	2,160	2,530	2,330	4,070	3,250	3,720	5,030	2,170	2,270
9	2,030	2,310	2,700	2,430	2,290	2,350	3,270	3,460	3,250	3,900	2,250	2,190
10	1,700	6,960	2,700	2,340	2,270	2,330	2,820	3,260	3,200	3,370	1,950	2,250
11	2,260	4,970	2,660	2,300	2,270	2,340	3,800	3,790	3,120	2,970	2,270	1,900
12	2,050	3,160	2,470	2,330	2,270	2,400	3,470	3,740	3,110	2,400	2,150	2,500
13	1,990	2,920	2,450	2,220	2,290	2,580	3,620	5,040	3,110	2,400	2,180	2,530
14	2,000	2,400	2,590	2,260	2,290	3,180	3,760	6,190	2,730	2,620	2,110	2,130
15	2,110	2,660	2,390	2,310	2,170	4,890	3,450	5,140	2,860	2,630	3,430	2,050
16	2,090	2,670	2,380	2,330	2,220	5,920	3,590	6,470	3,180	2,430	3,060	2,140
17	1,850	7,770	2,080	2,050	2,350	6,070	4,540	5,220	2,870	2,990	2,300	2,120
18	2,290	5,270	2,290	2,250	2,190	6,010	5,500	4,610	2,530	2,820	2,230	2,000
19	2,220	8,950	1,870	2,320	2,160	7,400	7,680	5,790	2,470	2,610	2,280	2,310
20	2,100	7,530	2,190	2,470	2,770	7,240	10,000	5,690	2,980	2,400	2,260	2,140
21	2,100	4,850	2,680	2,460	2,070	5,710	10,800	5,630	2,530	2,770	1,930	2,050
22	2,110	3,820	2,510	2,420	2,300	4,570	9,470	4,730	2,290	2,630	2,550	1,980
23	1,890	3,290	2,410	2,500	2,220	3,760	11,600	5,750	2,710	2,330	2,220	2,060
24	2,290	2,900	2,080	2,420	2,250	3,780	10,200	5,070	2,550	2,730	2,180	2,030
25	4,520	2,880	2,350	2,410	2,250	3,700	7,440	4,500	2,490	3,730	2,020	1,890
26	4,500	2,700	2,130	2,340	2,210	3,430	5,720	4,930	2,610	2,860	2,110	2,060
27	3,120	3,810	2,080	2,090	2,280	3,060	4,680	4,990	2,710	2,660	2,040	2,060
28	2,430	3,210	2,390	2,270	2,220	3,700	4,080	4,440	2,501	2,980	1,980	1,960
29	2,120	3,390	2,230	2,270	-------	3,280	3,780	4,320	2,387	2,420	3,920	2,040
30	2,030	3,300	2,350	2,410	-------	3,320	3,360	4,110	2,520	2,160	4,030	2,050
31	2,210	-------	2,150	2,300	-------	3,500	-------	4,030	-------	2,850	2,790	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	4,520	1,700	2,270	1.09	1.26
November	8,950	1,830	3,640	1.74	1.94
December	3,130	1,500	2,360	1.13	1.30
January	2,500	2,050	2,310	1.11	1.28
February	2,770	2,070	2,280	1.09	1.14
March	7,400	2,130	3,630	1.74	2.01
April	11,600	2,820	5,210	2.49	2.78
May	6,470	2,680	4,440	2.12	2.44
June	4,980	2,290	2,990	1.43	1.60
July	5,030	2,160	2,840	1.36	1.57
August	4,030	1,930	2,420	1.16	1.34
September	5,090	1,890	2,380	1.14	1.27
The year	11,600	1,500	3,060	1.46	19.93

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural run-off from basin.

MAGALLOWAY RIVER AT AZISCOHOS DAM, ME.

LOCATION.—Staff gage at Aziscohos Dam, Oxford County, 15 miles above mouth.
DRAINAGE AREA.—233 square miles.
RECORDS AVAILABLE.—January, 1912, to September, 1927.
REMARKS.—Discharge determined from readings of gate openings. Storage of about 9,593 million cubic feet is completely regulated. Discharge records furnished by Union Water Power Co., Lewiston, Me.

Monthly discharge, 1926–27

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	819	132	575	2.47	2.85
November	957	154	319	1.37	1.53
December	1,880	243	1,060	4.55	5.25
January	732	----------	499	2.14	2.47
February	----------	----------	25.0	.107	.11
March	471	----------	54.4	.234	.27
April	233	23	35.1	.151	.17
May	1,370	30	346	1.48	1.71
June	35	34	34.6	.148	.17
July	835	35	526	2.26	2.61
August	1,150	397	874	3.75	4.32
September	683	388	611	2.62	2.92
The year	1,880	----------	419	1.80	24.38

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural run-off from basin.

PRESUMPSCOT RIVER BASIN

PRESUMPSCOT RIVER AT OUTLET OF SEBAGO LAKE, ME.

LOCATION.—At outlet dam at Sebago Lake and hydroelectric plant at Eel Weir Falls, 1 mile below lake outlet, Cumberland County.

DRAINAGE AREA.—436 square miles.

RECORDS AVAILABLE.—January, 1887, to September, 1927.

REMARKS.—Discharge computed from flow through wheels and water wasted at regulating gates. About 18 second-feet diverted by Portland Water District and leakage through dam not included in discharge. Flow completely regulated by Sebago Lake (area, 46 square miles). Record in cubic feet per minute furnished by S. D. Warren Co.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	595	478	619	638	682	668	519	104	396	549	600	574
2	495	463	619	92	708	679	542	440	396	98	535	558
3	169	554	617	788	679	727	23	437	528	10	519	145
4	539	559	597	673	681	676	555	435	371	10	534	0
5	571	583	105	682	665	657	563	439	111	696	621	7
6	550	561	746	681	96	99	558	435	411	362	131	501
7	540	74	622	682	753	638	559	414	495	673	14	567
8	541	621	682	635	683	747	557	124	405	536	521	536
9	461	569	681	64	680	680	506	475	475	413	550	632
10	215	514	682	752	722	679	80	480	426	106	522	160
11	593	471	641	685	679	679	597	477	525	570	589	10
12	573	604	144	684	650	647	555	469	149	524	545	548
13	554	561	668	568	46	34	665	403	494	560	517	589
14	555	57	721	683	755	587	545	322	393	547	215	543
15	556	624	743	621	753	435	557	96	592	629	589	580
16	583	586	709	69	694	401	546	456	400	0	566	652
17	197	575	671	754	679	394	68	392	400	0	536	275
18	634	543	648	707	680	355	659	535	376	630	569	270
19	544	459	104	676	655	302	518	434	159	572	619	523
20	555	502	689	757	106	45	559	436	402	541	322	606
21	541	54	691	683	767	392	558	416	525	539	106	636
22	549	621	688	598	719	430	557	127	490	621	506	635
23	583	581	674	98	682	492	542	424	506	0	573	661
24	205	559	677	751	722	534	110	436	573	152	541	306
25	647	413	177	682	681	532	576	457	467	450	532	309
26	572	591	10	680	738	528	556	505	135	550	620	508
27	568	412	654	680	296	56	555	354	571	605	552	616
28	573	58	691	675	663	518	516	319	581	507	215	636
29	564	683	691	610	-------	521	531	10	620	517	419	617
30	598	640	689	39	-------	484	449	118	575	75	537	639
31	165	-------	688	751	-------	520	-------	484	-------	9	546	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	647	165	503	1.15	1.33
November	683	54	486	1.11	1.24
December	746	10	582	1.33	1.53
January	788	39	585	1.34	1.54
February	767	46	618	1.42	1.48
March	747	34	488	1.12	1.29
April	665	23	489	1.12	1.25
May	535	10	369	.846	.98
June	620	111	432	.991	1.11
July	696	0	389	.892	1.03
August	621	14	470	1.08	1.24
September	661	0	461	1.06	1.18
The year	788	0	489	1.12	15.20

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin.

SACO RIVER BASIN

SACO RIVER AT CORNISH, ME.

LOCATION.—Water-stage recorder just above highway bridge at Cornish, York County, and half a mile below mouth of Ossipee River.

DRAINAGE AREA.—1,300 square miles.

RECORDS AVAILABLE.—June, 1916, to September, 1927.

EXTREMES.—Maximum discharge during year, 7,800 second-feet March 23 (gage height, 7.06 feet); minimum, 242 second-feet October 5 (gage height, 1.33 feet).

1916–1927: Maximum discharge, 23,000 second-feet, May 2, 1923 (gage height, 14.72 feet); minimum, 90 second-feet October 1, 1921 (gage height 0.03 foot).

REMARKS.—Records good. Flow somewhat regulated by power development at Great Falls. Discharge estimated December 6 to March 17 because of ice effect and June 20, 21 because of backwater from logs.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	680	1,320	3,530	1,400	1,250	1,200	4,330	5,010	3,240	989	1,470	1,840
2	580	1,180	3,310	1,350	1,250	1,200	4,240	4,500	3,100	972	1,460	2,290
3	630	1,100	3,040	1,350	1,250	1,200	4,160	3,990	2,900	989	1,450	2,230
4	720	1,050	2,780	1,350	1,250	1,200	4,160	3,760	2,710	1,030	1,400	2,410
5	590	998	2,470	1,300	1,250	1,200	4,080	3,640	2,780	1,020	1,340	2,470
6	640	938	2,200	1,300	1,250	1,200	4,160	3,600	2,900	1,040	1,250	2,350
7	620	879	2,000	1,300	1,250	1,200	4,240	3,530	2,900	1,250	1,170	2,230
8	660	895	1,900	1,300	1,250	1,200	4,330	3,520	2,900	1,470	1,120	2,010
9	500	929	1,850	1,250	1,250	1,200	4,080	3,400	2,840	1,470	1,140	1,840
10	600	2,470	1,800	1,250	1,250	1,200	3,910	3,340	2,710	1,620	1,100	1,680
11	710	2,970	1,800	1,250	1,250	1,200	3,990	3,280	2,710	1,620	1,050	1,570
12	580	3,240	1,750	1,250	1,200	1,200	3,910	3,140	2,410	1,520	1,020	1,460
13	600	3,240	1,750	1,250	1,200	1,200	3,990	3,110	2,290	1,460	998	1,350
14	550	3,170	1,750	1,250	1,200	1,500	3,990	3,250	1,960	1,440	1,090	1,270
15	560	3,040	1,750	1,250	1,200	2,000	3,910	3,400	1,740	1,430	1,170	1,230
16	510	2,780	1,750	1,200	1,200	3,000	3,830	3,580	1,840	1,520	1,180	1,170
17	620	2,780	1,750	1,200	1,200	3,500	3,530	3,770	1,790	1,460	1,200	1,110
18	740	3,170	1,700	1,200	1,200	4,160	3,600	4,010	1,680	1,440	1,240	1,040
19	580	4,500	1,700	1,200	1,200	5,010	3,910	4,110	1,520	1,420	1,240	1,040
20	610	5,180	1,650	1,200	1,200	5,530	4,420	4,160	1,400	1,430	1,210	1,130
21	660	5,010	1,600	1,200	1,200	5,890	4,840	4,190	1,260	1,520	1,140	1,140
22	710	5,180	1,600	1,200	1,200	6,450	5,010	4,190	1,170	1,520	1,140	1,110
23	660	5,180	1,550	1,200	1,200	7,400	5,710	4,180	1,090	1,470	1,120	1,090
24	760	4,840	1,500	1,200	1,200	6,830	6,450	4,160	1,040	1,470	1,110	1,070
25	1,080	4,500	1,450	1,200	1,200	6,260	6,830	4,160	998	1,520	1,050	980
26	1,250	4,080	1,450	1,200	1,200	5,710	6,830	4,240	998	1,570	1,060	1,040
27	1,680	3,910	1,400	1,200	1,200	5,180	6,830	4,240	1,050	1,620	1,050	1,020
28	1,620	3,760	1,400	1,200	1,200	4,670	6,640	4,240	998	1,570	1,020	1,010
29	1,570	3,680	1,400	1,200	-------	4,420	6,070	3,910	989	1,470	1,500	989
30	1,450	3,600	1,400	1,250	-------	4,240	5,530	3,680	1,020	1,420	1,790	963
31	1,350	-------	1,400	1,250	-------	4,160	-------	3,530	-------	1,350	1,900	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,680	500	809	0.622	0.72
November	5,180	879	2,990	2.30	2.57
December	3,530	1,400	1,880	1.45	1.67
January	1,400	1,200	1,250	.962	1.11
February	1,250	1,200	1,220	.938	.98
March	7,400	1,200	3,270	2.52	2.90
April	6,830	3,530	4,720	3.63	4.05
May	5,010	3,110	3,830	2.95	3.40
June	3,240	989	1,960	1.51	1.68
July	1,620	972	1,390	1.07	1.23
August	1,900	998	1,230	.946	1.09
September	2,470	963	1,470	1.13	1.26
The year	7,400	500	2,170	1.67	22.66

SACO RIVER AT WEST BUXTON, ME.

LOCATION.—Gages in pond above dam and in tailrace at hydroelectric plant of Cumberland County Power & Light Co., at West Buxton, York County.

DRAINAGE AREA.—1,500 square miles.

RECORDS AVAILABLE.—October, 1907, to September, 1916; January, 1919, to September, 1927.

REMARKS.—Discharge over dam and through wheels of power plant determined by means of hourly gage readings. Flow somewhat regulated by power developments above gage. Records furnished by Cumberland County Power & Light Co., Portland, Me.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	808	1,720	4,170	1,100	1,730	1,530	5,550	5,950	3,810	1,520	1,640	2,450
2	680	1,650	4,070	1,260	1,770	1,550	5,610	5,320	3,680	1,150	1,620	2,380
3	523	1,600	3,760	1,600	1,850	1,350	5,820	4,370	3,430	763	1,720	3,030
4	771	1,700	3,470	1,550	1,630	1,520	5,430	4,040	2,840	1,000	1,640	2,840
5	864	1,570	2,780	1,170	1,590	1,480	5,200	3,770	2,620	1,200	1,530	3,280
6	725	1,120	2,660	1,520	993	1,190	4,960	3,580	3,440	1,320	1,600	3,270
7	729	808	2,120	1,370	1,610	2,140	5,170	3,820	2,900	1,330	1,150	3,260
8	784	1,170	2,270	1,260	1,690	1,740	5,230	3,520	2,640	1,890	1,350	2,840
9	581	1,490	2,230	805	1,580	1,380	5,280	4,120	2,900	1,930	1,250	2,340
10	405	3,110	2,540	1,550	1,460	1,660	4,730	3,790	3,160	1,410	1,300	2,060
11	832	2,870	2,100	1,580	1,340	1,820	4,700	3,540	2,400	1,700	1,230	1,170
12	726	4,160	1,560	1,680	1,420	1,720	4,540	3,850	1,940	1,830	1,120	1,730
13	622	4,080	2,650	1,580	761	1,280	4,620	3,310	3,080	1,740	1,010	1,960
14	607	3,730	2,390	1,510	1,820	3,600	4,520	3,560	2,060	1,640	726	1,420
15	527	4,230	2,450	1,330	1,250	3,100	4,400	3,390	2,000	1,780	1,340	1,390
16	617	3,680	2,330	1,220	1,700	4,170	4,450	4,260	2,260	1,850	1,360	1,200
17	704	3,620	2,160	1,420	1,580	5,600	3,800	4,100	2,300	1,410	1,330	1,550
18	834	3,380	1,900	1,500	1,270	6,290	3,990	4,150	1,660	1,400	1,190	1,070
19	745	4,910	1,370	1,410	1,820	7,480	3,780	4,280	1,570	1,760	1,130	1,410
20	798	5,920	2,220	1,510	959	8,500	4,200	4,480	2,330	1,610	1,320	1,060
21	778	5,330	1,830	1,600	1,660	8,200	4,730	4,700	1,270	1,590	1,080	1,230
22	813	5,760	1,750	1,440	1,560	8,310	4,990	4,270	1,280	1,900	1,400	1,470
23	794	5,500	1,720	1,130	1,710	9,490	5,780	4,660	1,300	1,700	1,360	1,440
24	857	5,350	1,610	1,810	1,260	8,740	6,500	4,550	1,100	1,540	1,270	1,190
25	1,800	4,670	750	1,820	1,520	7,950	7,220	4,270	872	1,550	911	949
26	1,570	4,680	1,330	1,730	1,350	6,900	7,240	4,460	915	1,730	1,090	1,360
27	1,760	5,320	1,700	1,440	1,010	6,790	7,250	4,840	1,400	1,890	1,140	1,390
28	2,680	4,020	1,910	1,250	1,300	6,060	6,790	4,800	1,310	1,810	908	1,010
29	1,820	4,460	1,710	1,120	-------	5,660	6,940	4,100	1,260	1,660	1,690	1,260
30	1,520	4,290	1,670	1,460	-------	5,350	6,160	3,920	1,280	1,460	2,760	1,750
31	1,520	-------	1,470	1,670	-------	5,270	-------	4,240	-------	1,240	2,280	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	2,680	523	961	0.620	0.71
November	5,920	808	3,530	2.28	2.54
December	4,170	750	2,210	1.43	1.65
January	1,820	805	1,430	.923	1.06
February	1,850	761	1,470	.948	.99
March	9,490	1,190	4,450	2.87	3.31
April	7,250	3,780	5,320	3.43	3.83
May	5,950	3,310	4,190	2.70	3.11
June	3,810	872	2,170	1.40	1.56
July	1,930	763	1,560	1.01	1.16
August	2,760	726	1,370	.884	1.02
September	3,280	949	1,830	1.18	1.32
The year	9,490	523	2,540	1.64	22.26

OSSIPEE RIVER AT CORNISH, ME.

LOCATION.—Chain gage at highway bridge in Cornish, York County, 1¼ miles above confluence with Saco River.

DRAINAGE AREA.—455 square miles.

RECORDS AVAILABLE.—July, 1916, to September, 1927.

EXTREMES.—Maximum discharge during year, 2,680 second-feet March 21 (gage height, 4.40 feet); minimum, 127 second-feet November 6 (gage height, 0.42 foot).

1916–1927: Maximum discharge, 6,740 second-feet April 30, 1923 (gage height, 8.76 feet); minimum, 66 second-feet October 18, 1923 (gage height, 0.15 foot).

REMARKS.—Records good. Flow affected by storage in Great Ossipee Lake and by power development at Kezar Falls. Discharge estimated December 6–13 and December 18 to March 15 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	205	340	1,120	420	600	580	1,500	1,260	960	272	495	545
2	193	199	1,050	420	560	560	1,580	1,050	800	286	545	595
3	221	202	920	390	500	660	1,660	920	680	290	495	520
4	246	188	920	400	520	660	1,660	595	710	300	470	448
5	221	179	860	420	520	660	1,660	710	650	290	448	402
6	221	137	860	430	520	660	1,660	740	680	320	402	380
7	236	165	840	400	500	700	1,820	740	740	470	380	360
8	214	190	820	420	500	660	1,900	860	710	680	380	340
9	168	214	820	420	490	660	1,740	920	680	545	425	340
10	163	1,050	800	420	480	660	1,340	1,120	650	495	402	320
11	202	920	760	420	480	660	1,420	1,120	650	495	360	320
12	190	920	720	420	480	660	1,340	920	620	448	340	300
13	190	920	680	430	480	700	1,340	495	620	448	320	293
14	173	860	620	450	470	840	1,420	800	595	470	425	293
15	188	800	620	500	470	1,100	1,500	860	570	448	520	293
16	185	800	650	540	500	1,500	1,190	980	520	520	470	286
17	179	920	545	560	500	1,660	860	1,050	495	470	470	272
18	199	1,050	520	580	500	1,980	980	1,190	470	520	470	268
19	211	1,580	520	600	490	2,230	1,050	1,260	448	520	470	252
20	227	1,820	490	620	500	2,500	1,190	1,120	380	520	470	425
21	221	1,820	470	620	480	2,590	1,340	1,050	152	520	448	448
22	224	1,660	440	640	480	2,500	1,260	1,190	160	495	448	425
23	255	1,500	430	640	480	2,320	1,740	1,190	224	495	448	425
24	259	1,340	420	600	480	2,060	1,980	1,050	205	520	402	380
25	425	1,190	410	600	480	1,820	1,820	980	252	520	402	380
26	360	1,120	410	580	470	1,820	1,580	1,190	262	520	402	380
27	340	1,190	410	580	560	1,740	1,500	1,190	290	495	402	380
28	340	1,190	410	620	560	1,500	1,580	1,190	236	495	425	340
29	320	1,120	340	620	-------	1,580	1,420	1,050	249	425	770	320
30	293	1,120	380	620	-------	1,580	1,340	980	265	425	620	293
31	320	-------	420	620	-------	1,580	-------	920	-------	425	545	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	425	163	238	0.523	0.60
November	1,820	137	890	1.96	2.19
December	1,120	340	635	1.40	1.61
January	640	390	516	1.13	1.30
February	600	470	502	1.10	1.14
March	2,590	560	1,330	2.92	3.37
April	1,980	860	1,480	3.25	3.63
May	1,260	495	990	2.18	2.51
June	860	152	494	1.09	1.22
July	680	272	456	1.00	1.15
August	770	320	454	.998	1.15
September	595	252	367	.807	.90
The year	2,590	137	697	1.53	20.77

MERRIMACK RIVER BASIN

PEMIGEWASSET RIVER AT PLYMOUTH, N. H.

LOCATION.—Water-stage recorder at highway bridge in Plymouth, Grafton County, three-quarters of a mile below mouth of Bakers River.

DRAINAGE AREA.—615 square miles.

RECORDS AVAILABLE.—January, 1886, to September, 1927; gage heights only prior to 1903.

EXTREMES.—Maximum discharge during year, 10,300 second-feet November 17 (gage height, 8.85 feet); minimum, 96 second-feet September 29 (gage height, 0.16 foot).

1903–1927: Maximum discharge, 28,000 second-feet (revised) April 29, 1923 (gage height, 18.17 feet); minimum, 45 second-feet several times during August, September, and October, 1923.

REMARKS.—Records good. Discharge estimated December 4 to March 17 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	276	1,020	1,550	523	398	415	1,480	1,300	1,170	420	1,240	530
2	276	892	1,330	523	373	398	1,380	1,210	1,080	358	932	850
3	748	838	964	530	358	388	1,410	1,130	972	344	665	1,450
4	443	820	724	530	353	383	1,300	1,110	868	420	488	1,030
5	358	724	599	504	353	373	1,350	1,660	1,560	510	332	716
6	339	599	570	398	353	393	1,300	1,760	1,880	410	340	470
7	838	630	570	497	363	420	1,670	1,630	1,520	390	345	464
8	577	570	577	420	404	420	1,430	1,490	1,210	2,000	327	400
9	497	756	599	378	378	466	1,280	1,350	990	1,440	350	332
10	320	8,360	637	393	358	443	1,300	1,280	927	836	322	309
11	348	3,940	652	383	334	409	1,130	1,630	1,170	672	322	276
12	339	2,100	660	388	339	420	1,250	1,680	918	574	304	292
13	320	1,560	652	373	330	607	1,500	1,570	820	581	300	292
14	363	1,320	614	339	339	1,120	1,490	1,680	733	1,490	284	250
15	660	1,200	564	353	373	2,800	1,310	1,570	691	2,060	630	292
16	504	1,140	491	343	378	4,620	1,600	2,120	670	1,500	748	300
17	348	9,060	466	343	373	5,480	2,550	2,060	594	1,350	476	296
18	1,450	3,810	473	348	373	6,050	2,860	1,940	564	1,760	400	256
19	874	3,680	504	383	373	6,200	3,810	2,860	504	1,270	386	239
20	637	4,070	577	426	373	5,040	5,480	2,240	498	923	368	309
21	577	2,550	614	516	373	3,050	5,910	2,300	486	932	340	292
22	570	1,980	550	530	373	2,180	4,200	1,820	415	732	300	336
23	443	1,650	504	504	373	1,670	6,340	2,000	400	644	296	222
24	756	1,420	454	504	373	1,480	3,940	1,760	395	844	280	232
25	3,110	1,260	432	479	373	1,330	2,480	1,590	410	1,150	256	194
26	3,680	1,120	491	420	460	1,270	1,940	1,880	380	860	260	200
27	1,860	2,100	448	378	460	1,230	1,880	1,760	410	602	284	232
28	1,310	2,170	443	363	460	1,150	1,820	1,630	385	554	425	218
29	1,050	1,670	485	393	-------	1,150	1,560	1,470	371	506	658	194
30	856	1,560	530	398	-------	1,110	1,410	1,330	440	506	1,280	218
31	788	-------	530	404	-------	1,320	-------	1,190	-------	524	820	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	3,680	276	823	1.34	1.54
November	9,060	570	2,150	3.50	3.90
December	1,550	432	621	1.01	1.16
January	530	339	428	.696	.80
February	460	330	376	.611	.64
March	6,200	373	1,740	2.83	3.26
April	6,340	1,130	2,280	3.71	4.14
May	2,860	1,110	1,680	2.73	3.15
June	1,880	371	781	1.27	1.42
July	2,060	344	876	1.42	1.64
August	1,280	256	476	.774	.89
September	1,450	194	390	.634	.71
The year	9,060	194	1,050	1.71	23.25

MERRIMACK RIVER AT FRANKLIN JUNCTION, N. H.

LOCATION.—Water-stage recorder at Boston & Maine Railroad bridge 1 mile below confluence of Pemigewasset and Winnepesaukee Rivers, at Franklin Junction, Merrimack County.

DRAINAGE AREA.—1,460 square miles.

RECORDS AVAILABLE.—July, 1903, to September, 1927.

EXTREMES.—Maximum discharge during year, 12,200 second-feet November 17 (gage height, 11.02 feet); minimum, 774 second-feet September 18 (gage height, 3.64 feet).

1903–1927: Maximum discharge, about 43,700 second-feet, revised, April 30, 1923 (gage height, 23.5 feet); minimum, about 250 second-feet October 4, 1903.

REMARKS.—Records excellent except for period of ice effect, December 5 to March 5, which are good. Flow affected by storage in Winnepesaukee, Squam, and Newfound Lakes.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,240	1,800	3,160	1,290	1,390	1,490	3,580	2,370	2,370	1,390	2,080	2,020
2	1,200	2,190	2,960	1,200	1,340	1,540	3,370	2,250	2,310	1,240	2,500	2,700
3	1,090	1,740	2,130	1,390	1,390	1,540	3,230	2,310	2,130	1,170	2,020	2,960
4	1,390	1,860	2,020	1,540	1,440	1,590	3,020	2,250	2,020	1,010	1,640	2,500
5	1,290	1,860	1,910	1,540	1,490	1,390	3,090	2,560	2,080	1,240	1,590	1,910
6	1,390	1,740	1,640	1,490	1,490	1,290	3,090	3,300	3,160	1,340	1,440	1,740
7	1,490	1,390	1,740	1,540	1,590	1,440	3,370	3,020	3,020	1,340	1,200	1,540
8	1,740	1,490	1,640	1,540	1,590	1,590	3,440	2,700	2,560	1,860	1,240	1,540
9	1,540	1,800	1,690	1,490	1,390	1,740	3,020	2,440	2,250	3,230	1,340	1,490
10	1,240	8,110	1,690	1,590	1,290	1,860	2,700	2,500	2,020	1,960	1,340	1,340
11	1,180	7,740	1,640	1,740	1,240	1,910	2,630	2,700	2,190	1,590	1,390	1,120
12	1,290	4,290	1,590	1,800	1,290	2,080	2,700	3,020	2,080	1,540	1,340	1,340
13	1,170	3,230	1,640	1,740	1,340	2,020	2,960	3,020	1,860	1,540	1,290	1,290
14	1,240	2,560	1,740	1,640	1,440	3,020	3,090	3,090	1,740	1,800	1,140	1,240
15	1,540	2,440	1,740	1,490	1,440	5,950	2,820	2,820	1,690	3,370	1,240	1,290
16	1,540	2,560	1,590	1,490	1,340	8,110	2,890	3,440	1,690	2,890	1,860	1,290
17	1,290	7,920	1,590	1,640	1,290	8,490	3,720	3,860	1,690	2,560	1,690	1,290
18	1,440	7,380	1,490	1,740	1,290	8,870	4,440	3,720	1,540	2,700	1,490	982
19	2,130	5,780	1,390	1,590	1,290	11,200	5,100	4,290	982	2,820	1,440	1,290
20	1,640	7,200	1,690	1,340	1,490	10,800	6,660	4,140	1,240	2,310	1,340	1,200
21	1,540	4,760	1,640	1,290	1,690	8,110	7,740	4,140	1,440	2,370	1,160	1,200
22	1,490	3,720	1,540	1,390	1,540	6,300	6,120	3,440	1,440	2,080	1,240	1,240
23	1,390	3,370	1,540	1,440	1,440	5,100	7,560	3,160	1,340	1,860	1,240	1,240
24	1,340	3,230	1,490	1,490	1,440	4,440	7,020	3,440	1,290	1,690	1,240	1,150
25	2,700	2,560	1,290	1,590	1,440	4,000	4,760	3,090	1,160	2,080	1,240	974
26	6,120	2,310	1,200	1,590	1,440	3,720	4,000	3,510	1,200	2,130	1,160	1,040
27	3,580	3,020	1,390	1,640	1,340	3,510	3,720	3,510	1,240	1,910	1,240	1,120
28	2,630	4,140	1,590	1,690	1,440	3,370	3,510	3,370	1,340	1,800	1,290	1,180
29	2,250	3,230	1,540	1,490	------	3,300	2,890	2,960	1,390	1,640	1,860	1,190
30	1,910	3,160	1,490	1,340	------	3,020	2,700	2,700	1,340	1,490	2,250	1,150
31	1,640	------	1,440	1,340	------	3,020	------	2,500	------	1,540	2,370	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	6,120	1,090	1,760	1.21	1.40
November	8,110	1,390	3,620	2.48	2.77
December	3,160	1,200	1,700	1.16	1.34
January	1,800	1,200	1,520	1.04	1.20
February	1,690	1,240	1,420	.973	1.01
March	11,200	1,290	4,060	2.78	3.20
April	7,740	2,630	3,960	2.71	3.02
May	4,290	2,250	3,080	2.11	2.43
June	3,160	982	1,790	1.23	1.37
July	3,370	1,010	1,920	1.32	1.52
August	2,500	1,140	1,510	1.03	1.19
September	2,960	974	1,450	.993	1.11
The year	11,200	974	2,320	1.59	21.56

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin.

MERRIMACK RIVER AT MANCHESTER, N. H.

LOCATION.—At dam of Amoskeag Manufacturing Co. in Manchester, Hillsborough County, 2 miles above Piscataquog River.
DRAINAGE AREA.—2,840 square miles.
RECORDS AVAILABLE.—January, 1924, to September, 1927.
REMARKS.—Discharge obtained from flow over dam and through the various wheels and gates. Some regulation from storage in Lake Winnepesaukee and other reservoirs; diurnal regulation by power plants upstream. Daily discharge record furnished by Amoskeag Manufacturing Co

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,250	1,990	4,800	1,860	2,790	2,350	6,880	3,570	3,670	2,220	2,600	3,310
2	1,130	2,190	4,630	1,800	2,800	2,360	6,540	3,520	3,470	2,880	3,460	4,300
3	1,120	2,570	3,760	2,080	2,970	2,290	6,430	3,310	3,130	2,540	3,120	5,030
4	951	2,320	2,580	2,040	2,590	2,320	6,220	3,360	2,880	1,340	2,370	4,130
5	1,290	2,330	1,880	2,160	2,730	2,280	5,740	3,570	2,570	1,410	2,320	3,150
6	1,400	2,410	2,460	2,180	1,840	1,670	5,660	4,320	3,790	1,450	2,160	3,010
7	1,460	1,320	2,690	2,150	2,120	2,300	5,950	3,600	4,310	1,320	2,060	2,500
8	1,630	2,070	3,020	2,120	2,320	2,510	6,000	3,920	3,780	1,620	1,760	2,380
9	1,520	2,230	2,850	1,660	2,360	2,960	4,820	3,650	3,310	3,440	1,660	2,440
10	1,200	7,460	2,880	1,850	2,210	3,640	5,740	3,600	2,790	2,470	1,820	1,920
11	1,280	15,000	2,710	1,630	3,040	3,810	4,550	3,650	2,680	1,980	1,840	1,800
12	1,060	8,540	2,130	1,910	2,100	4,560	4,510	4,410	2,560	1,770	1,980	2,130
13	1,150	5,140	2,620	1,950	1,600	4,740	4,610	4,540	2,640	1,810	1,910	2,130
14	1,160	3,950	2,780	2,080	2,080	7,310	5,100	5,130	2,290	1,820	1,710	1,640
15	1,290	3,780	2,840	1,980	2,150	13,400	4,740	5,150	2,190	3,940	1,620	2,000
16	1,490	3,270	2,740	1,720	2,420	19,400	3,500	5,300	2,170	4,370	1,590	2,130
17	1,390	6,900	2,650	1,860	2,270	21,500	4,960	6,670	2,190	3,130	2,020	1,520
18	1,430	11,400	2,150	1,950	2,170	21,100	5,460	6,620	1,640	3,450	1,790	1,440
19	1,930	8,550	1,430	2,180	2,370	21,000	6,280	6,520	2,120	3,500	1,870	1,990
20	1,730	10,500	2,060	2,330	1,730	21,300	7,330	6,780	1,370	2,980	1,590	1,750
21	1,700	8,220	2,160	2,290	2,300	20,500	8,660	5,440	1,610	2,820	1,950	1,670
22	1,730	6,440	2,380	2,780	1,940	15,100	7,980	4,590	1,590	2,840	1,390	1,660
23	1,520	5,300	2,340	2,240	2,280	12,600	7,910	4,840	1,560	2,340	1,370	2,050
24	1,530	5,270	2,520	3,060	2,280	11,000	9,370	4,820	1,660	1,880	1,410	1,790
25	2,610	4,040	1,930	2,750	2,330	8,710	7,730	4,610	1,470	2,380	1,280	1,220
26	6,480	4,150	1,760	3,120	2,190	6,520	6,680	4,920	1,420	2,590	1,210	1,670
27	5,060	4,050	1,860	2,630	2,080	6,710	5,800	5,140	1,730	2,480	1,710	1,380
28	3,660	5,780	1,940	2,620	2,650	7,300	5,240	3,250	1,580	2,170	1,810	1,280
29	2,940	5,150	2,520	2,470	------	7,200	4,770	4,030	1,630	2,090	2,710	1,400
30	2,570	4,850	2,280	2,020	------	6,470	4,280	4,100	1,750	1,900	2,660	1,540
31	1,480	------	2,460	2,670	------	6,670	------	4,030	------	1,480	2,640	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	6,480	951	1,880	0.662	0.76
November	15,000	1,320	5,240	1.85	2.06
December	4,800	1,430	2,570	.905	1.04
January	3,120	1,630	2,200	.775	.89
February	3,040	1,600	2,310	.813	.85
March	21,500	1,670	8,760	3.08	3.55
April	9,370	3,500	5,980	2.11	2.35
May	6,780	3,250	4,550	1.60	1.84
June	4,310	1,370	2,380	.838	.94
July	4,370	1,320	2,400	.845	.97
August	3,460	1,210	1,980	.697	.80
September	5,030	1,220	2,210	.778	.87
The year	21,500	951	3,540	1.25	16.92

MERRIMACK RIVER AT LAWRENCE, MASS.

LOCATION.—At dam of Essex Co., in Lawrence, Essex County.

DRAINAGE AREA.—Total above Lawrence, 4,663 square miles; net, exclusive of diverted parts of South Branch of Nashua and Sudbury Rivers and Lake Cochituate Basin, 4,452 square miles.

RECORDS AVAILABLE.—January, 1880, to September, 1927.

REMARKS.—Discharge obtained from flow over dam and through the various wheels and gates. It includes water wasted from the areas of South Branch of Nashua and Sudbury Rivers and Lake Cochituate Basin, the flow from which is diverted out of the Merrimack River Basin by the Metropolitan water district of Boston. Wasted water is deducted from observed flow to give the discharge from net drainage area. Flow regulated to some extent by operation of power plants and storage in Lake Winnepesaukee and other reservoirs. Entire record furnished by R. A. Hale, Chief engineer of the Essex Co.; estimate of quantities wasted into the Merrimack furnished by Metropolitan Water & Sewerage Board of Boston.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,852	3,967	6,409	3,541	6,601	5,953	9,400	4,710	6,025	2,662	3,658	6,898
2	1,370	3,811	6,473	3,752	6,609	5,802	9,187	6,086	5,591	1,729	3,878	8,917
3	412	3,339	6,131	4,734	6,256	5,422	8,934	5,771	4,822	1,245	3,984	10,011
4	1,884	3,165	4,489	4,177	6,070	5,145	9,752	4,852	3,537	1,658	4,133	9,136
5	1,923	3,210	3,020	3,991	5,418	4,825	8,864	5,341	2,831	3,088	3,898	7,407
6	1,828	2,203	4,317	3,981	4,628	4,428	8,569	5,260	5,060	2,772	2,178	6,735
7	2,039	1,126	4,037	3,918	5,582	4,237	8,360	5,147	5,381	2,732	1,707	5,733
8	2,239	3,157	3,770	3,242	5,265	6,098	8,667	4,491	5,352	2,544	3,840	4,987
9	1,641	3,224	3,816	3,063	4,539	7,819	7,812	5,887	5,267	1,672	3,440	4,085
10	346	4,012	4,156	4,488	4,403	8,289	7,560	5,572	4,895	2,908	3,276	3,510
11	1,974	11,344	3,312	3,518	4,727	9,101	7,815	5,340	3,032	3,357	3,103	2,486
12	1,622	11,447	3,518	3,384	3,828	9,935	6,939	5,630	2,292	3,238	2,980	4,241
13	2,136	8,060	4,709	3,285	3,513	10,607	6,702	6,472	4,804	2,972	2,055	4,139
14	2,080	5,401	4,350	3,374	4,927	14,124	6,486	5,755	4,742	2,735	885	3,858
15	2,071	5,399	3,901	3,179	4,288	19,625	7,070	5,291	3,384	2,506	2,990	3,757
16	1,441	4,593	4,192	2,694	4,089	26,217	6,292	7,295	3,276	3,391	3,078	3,206
17	308	4,413	4,017	4,307	4,229	30,192	5,456	8,247	3,039	4,473	3,049	2,445
18	1,942	9,208	2,937	3,955	4,286	29,527	6,527	9,150	2,276	4,387	2,968	2,128
19	2,838	11,620	2,527	3,921	3,585	28,206	6,975	8,825	886	4,374	2,800	3,418
20	2,638	11,797	4,312	4,150	3,140	27,617	7,977	7,922	3,382	3,820	1,776	3,594
21	2,799	12,287	3,353	4,407	4,736	27,460	8,947	7,876	3,176	3,978	889	3,849
22	2,797	10,152	3,328	4,942	3,178	24,795	10,285	6,185	3,006	3,471	3,250	3,701
23	1,682	8,311	3,500	5,457	5,316	22,015	8,957	7,390	2,604	2,323	2,720	3,481
24	336	7,034	3,474	6,764	4,870	18,941	10,707	6,382	2,511	1,948	3,192	2,276
25	3,236	5,309	2,495	6,623	4,756	15,767	12,170	6,631	1,903	3,812	3,178	1,371
26	4,647	5,984	2,643	5,973	4,745	14,470	9,660	6,550	580	3,240	3,187	3,517
27	6,431	5,474	3,901	6,118	4,675	11,829	8,574	7,841	2,849	3,036	2,146	3,082
28	5,498	5,303	3,869	5,333	6,234	12,137	8,332	7,415	3,404	3,124	2,761	2,981
29	4,185	7,451	3,545	4,942	-------	10,832	7,165	6,419	2,877	3,166	5,890	2,822
30	2,619	6,968	4,216	4,977	-------	10,591	5,852	5,266	2,897	2,049	7,039	2,670
31	1,944	-------	3,968	6,216	-------	9,857	-------	6,572	-------	1,044	6,798	-------

Month	Mean discharge in second-feet				Run-off in inches (corrected)	Rainfall in inches (mean of 34 stations)
	Observed	Wasted into Merrimack	Corrected for net area	Per square mile (corrected)		
October	2,283	17	2,266	0.509	0.587	4.56
November	6,292	80	6,212	1.395	1.557	4.97
December	3,958	77	3,881	.872	1.005	3.25
January	4,400	149	4,251	.955	1.101	2.76
February	4,803	140	4,663	1.047	1.090	3.73
March	14,254	181	14,073	3.161	3.645	1.40
April	8,200	62	8,138	1.828	2.040	1.64
May	6,374	66	6,308	1.417	1.634	3.03
June	3,523	27	3,496	.785	.876	2.22
July	2,886	14	2,872	.645	.744	4.73
August	3,249	98	3,151	.708	.816	6.89
September	4,348	124	4,224	.949	1.059	3.24
The year	5,383	86	5,297	1.190	16.154	42.42

NOTE.—Discharge in second-feet per square mile and run-off in inches does not represent natural flow from basin.

SMITH RIVER NEAR BRISTOL, N. H.

LOCATION.—Staff gage at highway bridge in South Alexandria, 3 miles southwest of Bristol, Grafton County.

DRAINAGE AREA.—78.5 square miles.

RECORDS AVAILABLE.—May, 1918, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,460 second-feet March 15 (gage height, 4.40 feet); minimum, 4.0 second-feet August 26 (gage height, 0.50 foot).

1918–1927: Maximum discharge, 2,260 second-feet revised, March 29, 30, 1925 (gage height, 4.94 feet); minimum, 3.5 second-feet August 3 and 16, 1924.

REMARKS.—Records good. Discharge estimated December 4 to March 14 because of ice.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	94	142	24	48	63	272	110	85	22	105	96
2	19	89	132	24	45	65	259	103	74	21	74	259
3	28	89	112	23	42	62	247	99	66	23	50	198
4	28	89	78	23	36	58	247	92	62	22	32	122
5	22	87	63	23	32	70	234	142	108	23	22	101
6	28	83	46	23	30	46	222	142	142	18	19	85
7	37	76	35	23	24	48	259	122	107	16	18	68
8	35	73	36	22	23	71	234	101	76	73	15	51
9	28	105	42	21	22	96	198	92	62	58	23	41
10	23	398	46	21	22	99	186	103	52	30	21	35
11	28	330	48	20	21	90	186	122	92	23	20	35
12	21	210	48	20	20	92	198	110	71	19	18	37
13	23	132	50	20	18	99	198	122	57	22	21	23
14	50	101	46	22	14	362	175	112	50	24	18	24
15	52	110	42	25	13	1,220	164	122	42	74	42	30
16	42	122	36	30	18	1,020	164	142	40	112	36	33
17	40	259	32	33	30	870	210	210	36	74	26	26
18	52	300	31	38	30	776	247	186	33	56	20	22
19	48	346	31	50	25	776	259	164	28	56	20	22
20	50	330	31	63	21	776	259	153	25	41	17	24
21	52	259	30	80	19	822	247	153	42	38	15	20
22	54	186	30	87	17	14	234	132	21	32	14	19
23	58	164	30	85	18	300	362	132	16	29	15	15
24	52	153	30	78	40	259	346	105	15	52	14	10
25	234	132	29	68	60	234	272	122	15	46	12	12
26	234	132	29	60	70	198	210	132	30	25	11	17
27	142	175	29	41	80	186	175	164	29	21	21	11
28	90	210	29	32	57	198	164	142	23	30	48	15
29	70	186	28	46	------	210	153	122	25	23	132	13
30	70	175	26	57	------	210	122	103	26	18	153	10
31	73	------	25	57	------	222	------	94	------	32	132	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	234	18	58.1	0.740	0.85
November	398	73	173	2.20	2.45
December	142	25	46.5	.592	.68
January	87	20	40.0	.509	.59
February	80	13	32.0	.408	.42
March	1,220	46	326	4.15	4.78
April	362	122	223	2.84	3.17
May	210	92	127	1.62	1.87
June	142	15	51.7	.659	.74
July	112	16	37.2	.474	.55
August	153	11	38.2	.487	.56
September	259	10	49.1	.625	.70
The year	1,220	10	101	1.29	17.36

NUBANUSIT BROOK NEAR PETERBORO, N. H.

LOCATION.—Water-stage recorder at highway bridge 1½ miles above Peterboro, Hillsborough County.

DRAINAGE AREA.—54.3 square miles.

RECORDS AVAILABLE.—November, 1920, to September, 1927.

EXTREMES.—Maximum discharge during year, 734 second-feet March 17 (gage height, 4. 94 feet); minimum, about 1 second-foot at numerous times.

1920–1927: Maximum discharge, 1,050 second-feet March 10, 1921 (gage height, 5.4 feet); minimum, 0.4 second-foot August 15, 1926 (gage height, 1.48 feet).

REMARKS.—Records good except those for low water and for period of ice effect, December 3 to March 8, which are fair. Flow regulated by several storage reservoirs.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	1	38	101	25	60	50	146	48	86	42	46	44
2	1	39	96	20	60	50	146	58	70	20	40	42
3	1	40	90	60	55	50	134	59	73	1	40	19
4	40	40	50	70	50	50	120	42	91	2	39	3
5	36	2	40	65	10	20	112	72	114	50	38	2
6	38	2	80	65	5	10	105	54	122	52	22	45
7	40	2	80	60	55	50	98	20	108	56	3	46
8	36	37	75	30	50	60	95	32	88	42	40	40
9	16	44	70	20	50	99	83	63	66	20	40	48
10	2	75	70	70	50	114	77	52	64	3	40	20
11	40	158	25	70	50	114	80	64	68	34	46	3
12	38	109	20	70	15	117	61	71	61	38	42	63
13	36	90	70	65	15	156	41	77	67	40	22	43
14	44	48	65	55	55	322	76	61	44	42	2	39
15	3	72	65	20	50	550	74	65	44	36	37	39
16	1	64	60	15	50	600	46	99	48	22	39	40
17	3	64	60	65	50	638	45	135	40	7	38	21
18	36	132	50	65	50	514	55	130	22	40	40	2
19	41	162	20	65	10	478	42	102	10	42	39	40
20	38	180	15	65	5	442	40	90	52	38	20	44
21	40	134	60	55	50	391	40	84	40	37	6	40
22	40	122	55	15	50	350	44	83	39	43	32	45
23	2	104	55	15	50	293	70	84	36	21	40	38
24	3	92	40	100	50	238	83	67	40	4	40	20
25	53	76	5	80	40	190	78	82	19	38	44	1
26	42	87	5	60	10	162	56	106	3	36	40	38
27	40	98	60	55	5	143	54	129	40	36	20	42
28	38	74	60	55	50	140	72	115	46	38	8	40
29	40	96	60	10	------	128	61	101	42	36	44	40
30	14	100	60	5	------	142	52	81	41	18	40	40
31	4	------	55	45	------	154	------	92	------	6	38	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	53	1	26.0	0.479	0.55
November	180	2	79.4	1.46	1.63
December	101	5	55.4	1.02	1.18
January	100	5	49.5	.912	1.05
February	60	5	39.3	.724	.75
March	638	10	220	4.05	4.67
April	146	40	76.2	1.40	1.56
May	135	20	78.0	1.44	1.66
June	122	3	56.1	1.03	1.15
July	56	1	30.3	.558	.64
August	46	2	33.1	.610	.70
September	63	1	32.9	.606	.68
The year	638	1	64.9	1 20	16.22

NORTH BRANCH OF CONTOOCOOK RIVER NEAR ANTRIM, N. H.

LOCATION.—Slope gage at North Branch, Hillsborough County, 4 miles northwest of Antrim and 6 miles above confluence with Contoocook River.

DRAINAGE AREA.—59.5 square miles.

RECORDS AVAILABLE.—August, 1924, to September 1927.

EXTREMES.—Maximum discharge during year, 530 second-feet March 19 (gage height, 4.03 feet); minimum, 12 second-feet September 27, 1929 (gage height, 0.62 foot).

1924–1927: Maximum discharge, 1,600 second-feet April 26, 1926 (gage height, 5.74 feet); minimum, 4 second-feet September 26, 29, 1925 (gage height, 0.40 foot).

REMARKS.—Records fair. Regulation due to Contoocook Pond. Discharge estimated December 4 to March 16 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	28	132	32	62	62	151	96	80	24	71	28
2	24	38	132	32	58	62	151	90	71	26	66	45
3	24	38	132	32	54	58	151	80	71	24	50	54
4	24	32	113	32	53	52	151	71	62	24	38	40
5	20	27	90	32	52	45	144	80	71	23	32	32
6	22	24	80	32	48	44	151	85	71	21	29	27
7	27	22	71	32	47	47	165	80	62	20	25	24
8	30	21	66	32	46	52	158	71	62	23	26	22
9	30	19	62	31	45	62	151	71	54	24	39	21
10	30	96	62	30	43	62	151	71	54	22	42	19
11	30	101	62	30	40	58	144	90	85	21	38	20
12	30	101	58	29	38	62	138	125	80	21	32	22
13	30	107	54	30	38	80	138	119	71	20	26	21
14	30	119	52	31	38	125	138	125	58	22	24	19
15	30	119	48	34	38	180	132	132	52	32	22	19
16	27	107	45	37	38	253	132	144	45	52	21	20
17	28	188	43	40	38	325	138	195	40	46	18	19
18	30	172	40	45	38	450	144	188	37	38	14	18
19	27	227	40	50	38	514	144	172	36	32	16	18
20	24	227	39	62	38	530	144	165	35	28	17	17
21	21	211	38	96	40	497	138	151	32	25	17	15
22	24	195	37	90	42	434	144	138	28	24	17	14
23	21	180	35	80	43	350	188	125	28	24	18	13
24	21	158	35	76	44	302	203	113	26	25	19	13
25	62	158	35	71	46	262	195	107	24	24	18	13
26	71	151	34	71	53	227	180	113	29	22	17	12
27	58	165	33	66	58	203	165	113	32	21	18	12
28	41	151	32	62	62	187	151	107	29	23	23	12
29	30	138	32	62	------	172	138	101	26	21	36	13
30	24	132	32	66	------	158	119	90	24	21	36	13
31	21	------	32	66	------	151	------	80	------	27	28	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	71	20	30.3	0.509	0.59
November	227	19	115	1.93	2.15
December	132	32	57.9	.973	1.12
January	96	29	48.7	.818	.94
February	62	38	45.6	.766	.80
March	530	44	198.0	3.33	3.84
April	203	119	151	2.54	2.83
May	195	71	113	1.90	2.19
June	85	24	49.1	.830	.93
July	52	20	25.8	.434	.50
August	71	14	28.8	.484	.56
September	54	12	21.2	.356	.40
The year	530	12	73.6	1.24	16.85

BLACKWATER RIVER NEAR CONTOOCOOK, N. H.

LOCATION.—Chain gage at highway bridge, 150 feet north of Webster-Hopkinton town line, and 3½ miles from Contoocook, Merrimack County.

DRAINAGE AREA.—131 square miles.

RECORDS AVAILABLE.—May, 1918, to September, 1920; February to September, 1927.

EXTREMES.—Maximum discharge during year, 1,940 second-feet March 18 (gage height, 11.42 feet); minimum, 38 second-feet August 26 (gage height, 2.28 feet).

1918–1920 and 1927: Maximum discharge, 2,730 second-feet March 29, 1920 (gage height, 15.0 feet); minimum, 20 second-feet August 4, 1919 (gage height, 1.90 feet).

REMARKS.—Records fair. Some storage developed in Pleasant Pond. Discharge estimated February 14 to March 16 because of ice effect.

Daily and monthly discharge, in second-feet, 1927

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		72	374	165	124	61	88	174
2		73	418	156	116	57	124	256
3		74	396	156	109	58	131	352
4		75	352	148	102	76	102	352
5		76	308	156	116	72	82	234
6		82	308	174	140	62	69	165
7		88	330	194	165	61	67	124
8		95	352	174	140	67	65	102
9		116	308	148	116	109	62	88
10		156	266	148	95	109	61	75
11		184	256	165	131	88	72	72
12		214	234	194	148	73	72	82
13		266	245	194	124	64	65	75
14	76	462	245	194	109	60	59	76
15	74	946	234	194	95	109	57	74
16	72	1,390	224	214	88	124	76	82
17	67	1,780	214	245	82	124	70	74
18	65	1,830	234	266	75	102	59	69
19	66	1,650	245	245	69	95	39	68
20	66	1,500	256	234	60	82	43	67
21	66	1,340	256	224	58	76	45	66
22	67	1,100	234	204	55	68	42	61
23	67	858	266	174	52	68	44	58
24	67	638	352	156	48	88	42	56
25	68	484	374	148	45	88	41	54
26	69	616	287	174	48	82	38	51
27	70	352	245	194	56	70	45	49
28	70	330	214	204	60	64	68	50
29		330	184	194	67	64	140	46
30		308	165	165	63	62	194	45
31		330		140		69	204	

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
March	1,830	72	575	4.39	5.06
April	418	165	279	2.13	2.38
May	266	140	185	1.41	1.63
June	165	45	91.9	.702	.78
July	124	57	79.1	.604	.70
August	204	38	76.3	.582	.67
September	352	45	107	.817	.91

SUNCOOK RIVER AT NORTH CHICHESTER, N. H.

LOCATION.—Water-stage recorder 500 feet from Chichester depot, North Chichester, Merrimack County, and 2½ miles above mouth of Little Suncook River.

DRAINAGE AREA.—157 square miles.

RECORDS AVAILABLE.—May, 1918, to September, 1920; June, 1921, to November, 1927.

EXTREMES.—Maximum discharge during year, 2,620 second-feet March 18 (gage height, 9.65 feet); minimum, 4 second-feet October 1, 4, and 11 (gage height, 1.00 foot).

1918–1927: Maximum discharge, 4,300 second-feet April 7, 1923 (gage height, 13.0 feet); minimum, 0.4 second-foot September 4, 1926 (gage height, 0.82 foot).

REMARKS.—Records good except for period of ice effect, December 3 to March 14, which are fair. Discharge estimated August 29 to September 1. Flow regulated by storage.

Daily discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926–27												
1	25	50	295	94	190	134	455	93	126	128	142	180
2	25	49	275		196	200	415	172	122	60	205	270
3	8	48	225		170	162	375	122	110	15	198	315
4	8	152	116		112	150	355	126	66	12	144	220
5	10	55	112		86	146	340	136	22	118	136	170
6	10	33	140	143	29	47	340	136	174	118	93	205
7	8	12	200		112	112	360	134	120	120	36	154
8	30	44	162		200	140	340	128	120	116	150	150
9	26	102	128		150	196	290	158	120	56	130	144
10	8	610	198		116	230	275	124	120	17	144	74
11	12	410	140		99	230	270	126	90	116	146	29
12	7	275	22		92	195	230	130	48	122	170	162
13	7	186	140	158	24	215	230	144	150	120	116	160
14	36	53	178		63	470	220	198	120	104	78	160
15	41	200	170		210	2,020	215	220	124	146	87	170
16	34	240	168		180	2,300	162	275	122	245	23	160
17	10	290	180		118	2,300	182	295	112	194	37	110
18	41	255	156	166	146	2,350	220	270	64	186	57	28
19	22	375	30		160	1,740	215	250	14	130	38	142
20	12	500	112		28	1,350	220	220	114	124	50	160
21	47	420	200	210	144	1,150	220	172	110	118	41	162
22	47	345	190	162	122	970	225	170	120	30	124	156
23	34	280		56	166	835	186	196	114	68	130	142
24	12	270		190	140	710	188	158	116	22	106	106
25	49	210	142	210	116	615	225	142	65	120	152	23
26	62	255		188	148	550	215	192	24	126	152	140
27	51	300		182	95	520	192	240	140	102	90	150
28	48	350		190	180	510	90	220	124	114	50	148
29	50	295	187	140	-------	485	205	174	118	116		148
30	36	285		43	-------	465	138	146	124	80	205	102
31	19	-------		174	-------	470	-------	180	-------	24		-----

Day	Oct.	Nov.	Day	Oct.	Nov.	Day	Oct.	Nov.
1927			1927			1927		
1	40	154	11	122	-------	21	245	-------
2	16	160	12	54	-------	22	205	-------
3	40	160	13	148	-------	23	152	-------
4	122	-------	14	250	-------	24	205	-------
5	116	-------	15	182	-------	25	164	-------
6	86	-------	16	128	-------	26	172	-------
7	132	-------	17	180	-------	27	160	-------
8	87	-------	18	172	-------	28	162	-------
9	18	-------	19	116	-------	29	102	-------
10	126	-------	20	166	-------	30	26	-------
						31	134	-------

Monthly discharge of Suncook River at North Chichester, N. H., 1926–27

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926–27					
October	62	7	26.9	0.171	0.20
November	610	12	232	1.48	1.65
December	295	22	163	1.04	1.20
January			152	.968	1.12
February	210	24	128	.815	.85
March	2,350	47	709	4.52	5.21
April	455	90	253	1.61	1.80
May	295	93	176	1.12	1.29
June	174	14	104	.662	.74
July	245	12	105	.669	.77
August		23	117	.745	.86
September	315	23	148	.943	1.05
The year	2,350	7	193	1.23	16.74
1927					
October	250	16	130	.828	.95

SOUHEGAN RIVER AT MERRIMACK, N. H.

LOCATION.—Water-stage recorder at head of Atherton Falls, Merrimack, Hillsborough County, and 1½ miles above confluence with Merrimack River.

DRAINAGE AREA.—168 square miles.

RECORDS AVAILABLE.—July, 1909, to September, 1927.

EXTREMES.—Maximum discharge during year, 3,090 second-feet March 15 (gage height, 7.12 feet); minimum, 16 second-feet October 13 (gage height, 1.94 feet).

1909–1927: Maximum discharge, 10,400 second-feet, revised, April 8, 1924 (gage height, 11.82 feet); minimum, 13 second-feet September 9, 1926 (gage height, 1.88 feet).

REMARKS.—Records good except for estimated periods, December 20, 21, January 2, 3, 10, and January 14 to March 8, which are fair.

Daily and monthly discharge, in second-feet, of Souhegan River at Merrimack, N. H., 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	68	375	175	535	210	434	175	175	66	36	204
2	26	114	319	175	420	200	406	168	162	66	74	1,040
3	32	88	216	180	335	195	363	188	155	49	80	775
4	22	86	198	182	270	195	359	185	125	48	57	411
5	27	80	108	168	230	200	343	168	125	51	55	267
6	23	78	172	162	220	215	327	204	182	64	48	213
7	22	60	180	155	225	255	384	185	180	57	33	170
8	25	38	180	142	220	365	335	150	142	45	33	138
9	29	68	170	118	205	492	303	152	118	48	58	118
10	22	406	172	108	190	515	264	165	112	43	94	102
11	20	520	155	114	185	530	260	274	110	41	74	82
12	20	292	155	130	180	676	253	319	102	45	60	104
13	20	207	162	135	170	950	236	242	98	42	58	140
14	29	142	180	150	165	2,070	222	242	100	48	43	114
15	25	155	182	160	160	2,760	210	204	92	52	35	108
16	25	165	135	160	150	2,410	204	311	80	44	45	104
17	24	256	98	160	150	1,800	172	442	82	41	36	104
18	25	335	122	160	150	1,550	180	411	66	37	35	78
19	29	535	135	155	160	1,400	201	303	54	45	37	80
20	43	890	155	140	165	1,300	185	253	52	48	41	148
21	42	488	165	120	175	1,160	172	232	64	57	29	162
22	45	363	160	110	180	1,360	182	192	68	32	31	138
23	48	295	138	95	190	1,040	375	190	46	23	34	106
24	51	228	128	90	200	802	429	190	58	39	42	96
25	110	207	125	90	205	682	323	190	52	31	40	70
26	267	204	116	90	210	595	274	371	44	43	45	60
27	175	274	106	90	205	545	232	411	57	35	51	84
28	116	398	120	105	205	540	239	331	88	33	180	88
29	92	292	195	140	-------	483	216	239	76	43	575	68
30	82	270	182	195	-------	452	192	204	70	43	506	68
31	70	-------	158	355	-------	447	-------	195	-------	32	288	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	267	20	52.1	0.310	0.36
November	890	38	253	1.51	1.68
December	375	98	167	.994	1.15
January	355	90	145	.863	.99
February	535	150	216	1.29	1.34
March	2,760	195	851	5.07	5.84
April	434	172	276	1.64	1.83
May	442	150	241	1.43	1.65
June	182	44	97.8	.582	.65
July	66	23	44.9	.267	.31
August	575	29	92.0	.548	.63
September	1,040	60	181	1.08	1.20
The year	2,760	20	218	1.30	17.63

SOUTH BRANCH OF NASHUA RIVER AT CLINTON, MASS.

LOCATION.—At Wachusett Dam, 1 mile south of Clinton, Worcester County.
DRAINAGE AREA.—108.84 square miles since 1914.
RECORDS AVAILABLE.—July, 1896, to September, 1927.
REMARKS.—Flow regulated by storage in Wachusett Reservoir and other ponds. Discharge corrected for storage. The outflow from Wachusett Reservoir except small amount wasted into river below dam is diverted into Sudbury Reservoir. Record furnished by Water Division of the Metropolitan District Commission.

Monthly discharge and rainfall of South Branch of Nashua River at Clinton, Mass., 1926–27

Month	Run-off in millions of gallons	Discharge per square mile		Run-off in inches	Rainfall in inches
		Millions of gallons per day	Second-feet		
October	1,307.1	0.387	0.599	0.691	4.69
November	2,859.8	.876	1.355	1.512	5.32
December	2,198.0	.651	1.008	1.162	4.20
January	4,131.4	1.224	1.895	2.184	3.34
February	3,375.4	1.108	1.714	1.784	4.63
March	7,881.5	2,336	3.614	4.167	1.71
April	3,157.0	.968	1.498	1.669	2.10
May	3,070.0	.910	1.408	1.623	3.04
June	1,403.6	.430	.665	.742	2.17
July	1,885.1	.559	.864	.997	5.94
August	5,438.8	1.612	2.494	2.875	9.48
September	3,946.3	1.207	1.867	2.086	3.51
The year	40,654.0	1.023	1.583	21.492	50.13

SUDBURY RIVER AT FRAMINGHAM CENTER,[1] MASS.

LOCATION.—At dam of Framingham Reservoir No. 1, half a mile above outlet of Farm Pond, three-fourths mile southwest of Framingham Center, Middlesex County.

DRAINAGE AREA.—75.2 square miles since 1881.

RECORDS AVAILABLE.—January, 1875, to September, 1927.

REMARKS.—Discharge corrected for storage and diversions. Municipal water supplies of surrounding towns are diverted from reservoirs above. Outflow (exclusive of waste) of Wachusett Reservoir on South Branch of Nashua is diverted into Sudbury Reservoir. Records furnished by water division of the Metropolitan District Commission.

Monthly discharge and rainfall, 1926–27

Month	Run-off in millions of gallons	Discharge per square mile		Run-off in inches	Rainfall in inches
		Millions of gallons per day	Second-feet		
October	264.7	0.114	0.176	0.203	3.77
November	1,811.1	.803	1.242	1.386	5.27
December	1,561.8	.670	1.037	1.195	4.03
January	3,022.6	1.297	2.006	2.313	2.91
February	3,077.6	1.462	2.261	2.355	3.71
March	4,788.8	2.054	3.178	3.664	1.43
April	1,560.1	.692	1.071	1.194	2.24
May	1,789.4	.768	1.188	1.369	2.97
June	484.1	.215	.332	.370	1.99
July	303.1	.130	.201	.232	3.82
August	2,205.7	.946	1.464	1.688	8.92
September	2,953.8	1.307	2.023	2.260	3.82
The year	23,822.8	.868	1.343	18.229	44.88

[1] Formerly published as "Sudbury River and Lake Cochituate Basins near Framingham and Cochituate, Mass."

LAKE COCHITUATE AT COCHITUATE,[2] MASS.

LOCATION.—At outlet three-eighths of a mile north of Cochituate railroad station, Middlesex County, and 1¼ miles above confluence with Sudbury River.
DRAINAGE AREA.—17.58 square miles since 1911.
RECORDS AVAILABLE.—January, 1863, to September, 1927.
REMARKS.—Discharge corrected for storage and diversions. Municipal water supplies of surrounding towns are diverted from the lake. Records furnished by water diversion of the Metropolitan District Commission.

Monthly discharge and rainfall in Lake Cochituate Basin at Cochituate, Mass., 1926–27

Month	Run-off in millions of gallons	Discharge per square mile		Run-off in inches	Rainfall in inches
		Millions of gallons per day	Second-feet		
October	133.0	0.244	0.378	0.44	3.94
November	424.9	.806	1.247	1.39	4.50
December	415.7	.763	1.180	1.36	3.85
January	743.8	1.365	2.112	2.43	3.16
February	747.6	1.519	2.350	2.45	3.94
March	896.2	1.644	2.544	2.93	1.45
April	346.9	.659	1.019	1.14	2.18
May	334.1	.613	.949	1.09	3.37
June	55.4	.105	.163	.18	2.05
July	176.6	.324	.501	.58	5.02
August	610.1	1.119	1.732	2.00	8.04
September	658.1	1.246	1.928	2.15	4.18
The year	5,542.4	.864	1.337	18.14	45.68

[2] Formerly published as "Sudbury River and Lake Cochituate Basins near Framingham and Cochituate, Mass."

PROVIDENCE RIVER BASIN

BLACKSTONE RIVER AT WORCESTER, MASS.

LOCATION.—Water-stage recorder at Webster Street Bridge, Worcester, Worcester County, three-quarters of a mile above Tatnuck Brook.

DRAINAGE AREA.—31.5 square miles.

RECORDS AVAILABLE.—August, 1923, to September, 1927.

EXTREMES.—Maximum discharge during year, 400 second-feet March 25 (gage height, 2.66 feet); minimum 0.3 second-foot November 12 and 13 (gage height, −0.02 foot).

1923–1927: Maximum discharge, 740 second-feet April 7, 1924; minimum that of November 12, 13, 1926.

REMARKS.—Records fair. Diversions from about 7.0 square miles of drainage area above station. Flow regulated by storage reservoirs. Discharge partly or wholly estimated December 26, 27, April 17, June 1 to September 30.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.3	27	27	24	76	56	28	20	22	18	21	52
2	3.9	16	30	20	68	34	19	29	24	6.5	29	80
3	5.7	10	18	34	69	42	17	30	24	6.0	25	118
4	18	10	16	31	70	36	27	25	53	5.2	21	87
5	15	8.6	15	34	49	36	25	25	57	4.8	20	60
6	5.5	8.1	25	21	30	18	23	24	12	4.6	15	38
7	10	17	22	28	56	34	31	24	38	5.0	11	19
8	15	100	21	28	45	76	30	14	33	5.8	18	19
9	5.2	64	20	16	48	127	32	20	32	6.9	57	19
10	7.8	67	26	30	37	121	16	24	31	8.1	48	18
11	16	44	28	18	41	123	26	27	27	9.1	35	24
12	11	15	15	13	30	94	26	26	22	12	20	24
13	7.4	.8	19	12	14	102	24	28	41	14	15	22
14	9.3	1.2	22	34	36	147	25	24	33	28	13	15
15	4.9	34	20	36	38	129	26	16	33	22	24	11
16	3.0	1.3	20	21	32	124	24	26	34	14	24	11
17	4.2	2.6	15	29	33	97	15	26	33	13	10	13
18	9.5	4.8	14	19	35	98	19	28	22	12	8.1	14
19	10	25	13	20	40	84	15	30	15	11	8.1	12
20	9.1	49	11	48	22	68	19	26	28	9.6	7.4	12
21	9.8	27	28	71	26	60	23	25	16	9.4	7.6	13
22	9.5	44	28	79	42	102	26	18	11	8.8	18	19
23	3.0	33	14	137	30	92	32	26	23	8.8	19	23
24	6.7	23	15	98	40	74	27	33	25	10	39	15
25	15	17	14	70	52	69	33	38	12	11	35	10
26	20	24	13	62	56	55	33	60	8.6	9.6	33	16
27	15	38	18	30	34	46	31	62	19	9.1	30	18
28	13	22	38	36	54	57	33	48	13	8.8	26	29
29	28	31	38	45	-------	48	30	38	8.8	9.1	100	16
30	27	41	40	46	-------	44	26	33	8.4	9.9	127	9.6
31	14	-------	37	88	-------	45	-------	32	-------	14	68	------

Month	Observed			Mean, corrected for diversions
	Maximum	Minimum	Mean	
October	28	3	10.8	14.4
November	100	.8	26.8	30.8
December	40	11	22.3	32
January	137	12	41.2	51.3
February	76	14	43.0	50.5
March	147	18	75.4	81.6
April	33	15	25.4	33.9
May	62	14	29.2	37.9
June	57	8.4	25.3	34.5
July	28	4.6	10.5	19.8
August	127	7.4	30.1	39.5
September	118	9.6	27.9	37.3
The year	147	.8	30.6	38.6

THAMES RIVER BASIN

QUINEBAUG RIVER AT JEWETT CITY, CONN.

LOCATION.—Water-stage recorder at Jewett City, New London County, 1,000 feet below railroad bridge and 570 feet below outlet of canal from Slater Mills (mouth of Pachaug River).

DRAINAGE AREA.—712 square miles.

RECORDS AVAILABLE.—July, 1918, to September, 1927.

EXTREMES.—Maximum discharge during year, 3,320 second-feet March 22 (gage height, 9.33 feet); minimum, 45 second-feet October 2 (gage height, 3.64 feet).

1918–1927: Maximum discharge, 12,000 second-feet, revised, during high water of March 14–19, 1920 (gage height, approximately 16.3 feet); minimum, 30 second-feet August 23, 1919.

REMARKS.—Records good. Flow regulated by numerous storage reservoirs.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	305	630	1,350	1,640	2,490	2,100	1,440	730	1,260	550	605	1,080
2	102	735	1,390	1,430	2,180	1,800	1,210	1,030	1,030	385	1,430	1,130
3	116	705	1,260	1,470	2,010	1,520	910	1,110	1,000	194	1,370	1,020
4	325	620	870	1,490	1,850	1,340	1,390	975	865	180	955	715
5	295	595	520	1,470	1,540	1,180	1,440	855	575	470	735	620
6	305	315	855	1,630	1,260	840	1,520	905	1,340	525	505	865
7	340	170	965	1,540	1,590	1,310	1,530	775	1,290	550	265	840
8	335	495	975	1,070	1,520	1,670	1,450	385	965	385	530	800
9	60	515	960	840	1,370	2,430	1,080	830	895	430	815	650
10	50	1,070	1,020	1,040	1,320	2,750	830	935	835	240	1,060	605
11	315	1,680	870	1,110	1,290	2,520	1,220	870	750	495	945	315
12	295	1,560	605	870	1,040	2,200	1,210	1,030	955	590	815	705
13	345	945	895	935	840	1,920	1,030	950	1,170	440	600	785
14	305	570	1,060	1,020	1,280	2,570	1,070	770	1,090	400	370	705
15	325	940	990	1,300	1,310	2,890	955	500	895	440	305	705
16	158	955	975	1,060	1,210	2,920	840	930	945	330	320	670
17	48	1,040	835	1,290	1,310	2,630	500	1,130	745	196	920	450
18	275	1,270	640	1,350	1,470	2,370	960	1,110	555	455	680	230
19	280	1,610	465	1,310	1,410	2,050	975	1,150	365	485	715	615
20	320	2,200	745	1,600	1,080	1,660	845	1,070	810	465	720	720
21	325	1,720	810	2,440	1,230	2,170	800	820	975	415	470	645
22	350	1,700	795	2,790	1,470	2,920	860	460	800	405	690	545
23	220	1,470	700	2,830	1,490	2,740	1,080	905	720	300	770	480
24	168	1,160	645	2,900	1,600	2,370	1,170	1,270	655	280	895	300
25	785	830	485	2,370	1,840	2,110	1,360	1,810	460	470	1,160	194
26	1,340	1,000	395	2,070	2,420	1,690	1,290	2,370	270	525	1,080	500
27	1,000	1,220	725	1,680	2,570	1,380	1,120	2,310	550	520	850	450
28	845	1,180	900	1,460	2,380	1,830	1,270	1,760	670	480	705	520
29	705	1,370	2,400	1,760	-------	1,780	1,340	1,310	580	440	1,150	440
30	465	1,350	2,630	2,120	-------	1,580	1,020	1,050	630	380	1,260	350
31	265	-------	2,060	2,590	-------	1,530	-------	1,290	-------	270	1,080	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,340	48	367	0.515	0.59
November	2,200	170	1,050	1.47	1.64
December	2,630	395	993	1.39	1.60
January	2,900	840	1,630	2.29	2.64
February	2,570	840	1,580	2.22	2.31
March	2,920	840	2,020	2.84	3.27
April	1,530	500	1,120	1.57	1.75
May	2,370	385	1,080	1.52	1.75
June	1,340	270	822	1.15	1.28
July	590	180	409	.574	.66
August	1,430	265	799	1.12	1.29
September	1,130	194	622	.874	.98
The year	2,920	48	1,040	1.46	19.76

CONNECTICUT RIVER BASIN

SECOND CONNECTICUT LAKE NEAR PITTSBURG, N. H.

LOCATION.—Staff gage at Second Lake outlet dam of Upper Connecticut River & Lake Improvement Co., 12 miles northeast of Pittsburg, Coos County. Zero of gage is 1,858.2 feet above mean sea level.

DRAINAGE AREA.—41.5 square miles.

RECORDS AVAILABLE.—October, 1922, to September, 1927.

EXTREMES.—Maximum stage during year, 13.6 feet July 25 (contents, 866 million cubic feet); minimum, 1.25 feet March 7, 8, 12, and 13 (contents, 55.8 million cubic feet).

1922–1927: Maximum stage, 15.8 feet September 11, 1924 (contents, 1,045 million cubic feet); minimum, 0.7 foot February 1 to March 19, 1923 (contents, 30.3 million cubic feet).

REMARKS.—Normal capacity of lake is 979 million cubic feet at gage height, 15.0 feet.

Daily gage height, in feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.9	3.3	3.4	1.55	1.4	1.3	2.25	5.45	11.8	12.8	12.7	12.0
2	3.7	3.25	3.2	1.5	1.4	1.3	2.2	5.1	12.15	12.8	12.7	11.95
3	3.4	3.2	3.1	1.5	1.4	1.3	2.1	4.8	12.4	12.75	12.7	12.0
4	3.1	3.1	3.0	1.5	1.4	1.3	2.1	4.6	12.5	12.85	12.7	12.0
5	2.9	3.0	2.85	1.5	1.4	1.3	2.1	4.55	12.7	12.9	12.7	12.0
6	2.7	2.9	2.8	1.5	1.4	1.3	2.05	4.65	12.85	12.9	12.65	12.0
7	3.95	2.8	2.65	1.5	1.4	1.25	2.1	4.8	13.05	12.9	12.6	11.95
8	4.2	2.75	2.55	1.5	1.4	1.25	2.1	4.9	12.75	12.95	12.55	11.9
9	4.1	2.6	2.5	1.45	1.4	1.3	2.1	4.9	12.1	13.0	12.5	11.85
10	3.9	3.0	2.4	1.4	1.4	1.3	2.05	4.9	11.55	13.1	12.45	11.8
11	3.8	3.7	2.35	1.4	1.4	1.3	2.05	5.15	11.95	13.1	12.4	11.8
12	3.6	4.0	2.25	1.4	1.4	1.25	2.05	5.65	12.35	13.05	12.35	11.8
13	3.4	4.3	2.15	1.4	1.35	1.25	2.05	5.8	12.65	13.05	12.25	11.8
14	3.2	3.8	2.05	1.4	1.35	1.3	2.1	5.95	12.75	13.05	12.2	11.75
15	3.1	3.65	2.0	1.4	1.4	1.4	2.1	5.9	12.85	13.05	12.25	11.75
16	3.0	3.55	2.0	1.35	1.4	1.5	2.15	5.9	12.9	13.1	12.35	11.75
17	2.9	3.7	2.0	1.35	1.4	1.65	2.45	5.9	12.9	13.1	12.3	11.7
18	2.9	4.05	1.95	1.35	1.4	1.95	2.95	5.9	12.9	13.1	12.3	11.7
19	2.9	4.05	1.85	1.35	1.4	2.2	3.8	5.85	12.9	13.15	12.25	11.7
20	2.85	4.3	1.8	1.35	1.4	2.55	5.25	6.1	12.9	13.1	12.25	11.7
21	2.85	4.25	1.8	1.4	1.4	2.75	6.9	6.75	12.95	13.1	12.25	11.7
22	2.75	4.2	1.75	1.4	1.4	2.9	7.65	7.25	12.9	13.05	12.2	11.7
23	2.6	4.0	1.75	1.4	1.4	2.9	8.3	8.15	12.85	13.0	12.15	11.65
24	2.55	3.8	1.7	1.4	1.35	2.9	8.45	8.9	12.9	13.0	12.1	11.65
25	2.75	3.7	1.7	1.4	1.35	2.8	8.05	9.3	12.9	13.6	12.05	11.65
26	3.15	3.6	1.65	1.4	1.35	2.7	7.45	9.75	12.9	13.15	12.0	11.65
27	3.15	3.55	1.65	1.4	1.35	2.55	6.95	10.15	12.85	12.55	11.95	11.65
28	3.2	3.55	1.65	1.4	1.3	2.5	6.5	10.55	12.85	12.6	11.95	11.5
29	3.25	3.55	1.65	1.4	-------	2.45	6.1	10.9	12.85	12.65	11.95	11.45
30	3.3	3.5	1.6	1.4	-------	2.4	5.85	11.2	12.85	12.7	12.0	11.45
31	3.3	-------	1.6	1.4	-------	2.3	-------	11.45	-------	12.7	12.0	------

FIRST CONNECTICUT LAKE NEAR PITTSBURG, N. H.

LOCATION.—Staff gage at First Lake outlet dam of Upper Connecticut River & Lake Improvement Co., 6 miles northeast of Pittsburg, Coos County. Zero of gage is 1,609.9 feet above mean sea level.

DRAINAGE AREA.—81.4 square miles.

RECORDS AVAILABLE.—October, 1916, to September, 1927.

EXTREMES.—Maximum stage during year, 25.15 feet August 9–11 (contents, 2,775 million cubic feet); minimum, 2.7 feet March 14 (contents, 304.0 million cubic feet).

1917–1927: Maximum stage, 26.2 feet June 5, 6, 1925 (contents, 2,916 million cubic feet); minimum, 2.1 feet February 17, 1917, May 6, 7, 1922 (contents, 252.5 million cubic feet).

REMARKS.—Capacity of lake, 3,026 million cubic feet at gage height 27 feet.

Daily gage height, in feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.45	14.5	19.0	19.95	10.5	3.35	5.5	15.5	21.55	23.8	25.05	20.2
2	10.55	14.65	19.1	19.95	10.0	3.25	5.65	15.75	21.6	23.8	25.1	20.25
3	10.65	14.75	19.2	19.95	9.55	3.2	5.75	15.95	21.7	23.8	25.1	20.25
4	10.75	14.85	19.25	19.95	9.1	3.15	5.85	16.15	21.8	23.8	25.1	19.95
5	10.8	14.95	19.3	19.95	8.6	3.1	5.95	16.45	21.9	23.8	25.1	19.6
6	11.0	15.05	19.4	19.95	8.0	3.0	6.05	16.7	21.95	23.75	25.1	19.3
7	11.35	15.1	19.45	19.95	7.6	2.95	6.15	16.95	22.0	23.8	25.1	18.95
8	11.55	15.2	19.5	19.95	7.15	2.9	6.25	17.25	22.35	23.85	25.1	18.6
9	11.75	15.25	19.55	19.85	6.75	2.85	6.4	17.25	22.75	23.85	25.15	18.2
10	11.9	15.55	19.6	19.4	6.4	2.85	6.5	17.3	23.1	23.85	25.15	17.85
11	12.05	15.75	19.65	18.95	6.05	2.8	6.6	17.4	23.2	23.9	25.15	17.5
12	12.2	15.95	19.7	18.7	5.7	2.8	6.75	17.8	23.3	23.9	24.85	17.15
13	12.35	16.1	19.75	18.3	5.5	2.75	6.85	18.15	23.4	23.9	24.5	16.8
14	12.55	16.3	19.8	17.9	5.3	2.7	6.95	18.5	23.45	23.9	24.15	16.45
15	12.6	16.4	19.85	17.5	5.1	2.75	7.05	18.85	23.45	23.95	23.95	16.1
16	12.65	16.55	19.9	17.25	4.95	2.8	7.2	19.2	23.5	23.95	23.6	15.75
17	12.75	16.75	19.9	16.75	4.8	3.0	7.45	19.5	23.5	24.0	23.3	15.35
18	12.85	17.0	19.9	16.35	4.6	3.2	7.8	19.8	23.55	24.0	23.25	15.0
19	13.0	17.25	19.9	15.9	4.45	3.4	8.25	20.2	23.55	24.05	23.3	14.65
20	13.1	17.45	19.9	15.6	4.35	3.7	9.0	20.4	23.6	24.05	23.3	14.3
21	13.2	17.65	19.9	15.2	4.2	4.0	9.8	20.55	23.65	24.05	23.3	13.95
22	13.25	17.85	19.9	14.85	4.05	4.2	10.5	20.7	23.65	24.05	23.3	13.6
23	13.3	17.95	19.9	14.6	3.95	4.35	11.5	20.85	23.7	24.05	22.95	13.2
24	13.4	18.05	19.9	14.3	3.8	4.5	12.35	20.95	23.7	24.05	22.65	12.8
25	13.55	18.2	19.9	13.8	3.7	4.7	13.05	21.0	23.7	24.1	22.3	12.4
26	13.7	18.35	19.9	13.35	3.6	4.85	13.65	21.15	23.75	24.5	21.95	12.0
27	13.85	18.45	19.9	12.9	3.55	5.0	14.1	21.3	23.75	24.95	21.6	11.6
28	14.0	18.65	19.95	12.45	3.5	5.1	14.55	21.35	23.8	25.0	21.3	11.2
29	14.1	18.75	19.95	12.0	-------	5.2	14.95	21.4	23.8	25.05	21.05	10.8
30	14.2	18.9	19.95	11.5	-------	5.3	15.25	21.4	23.8	25.05	20.7	10.4
31	14.35	-------	19.95	11.0	-------	5.4	-------	21.5	-------	25.05	20.4	-------

CONNECTICUT RIVER AT FIRST CONNECTICUT LAKE, NEAR PITTSBURG, N. H.

LOCATION.—Water-stage recorder one-fourth mile below dam at First Connecticut Lake, 6 miles northeast of Pittsburg, Coos County.

DRAINAGE AREA.—81.4 square miles.

RECORDS AVAILABLE.—April, 1917, to September, 1927.

EXTREMES.—Maximum discharge during year, 737 second-feet January 27 (gage height, 3.16 feet); minimum, 6.3 second-feet March 16–18 (gage height, 1.48 feet).

1917–1927: Maximum discharge, 7,820 second-feet, revised, May 5, 1925 (gage height, 6.35 feet); minimum, 3 second-feet during several days in April, 1917.

REMARKS.—Records good. 4.1 billion cubic feet of storage developed above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	40	53	61	646	118	6.8	23	39	49	59	46
2	34	40	55	61	654	87	8.7	25	39	59	61	46
3	36	40	55	61	654	90	11	26	39	90	61	322
4	61	42	59	61	646	103	8.7	26	39	90	61	512
5	137	42	59	61	629	98	8.1	26	39	80	61	528
6	86	42	59	61	612	92	8.1	26	39	75	64	528
7	40	42	59	61	558	90	8.1	26	39	64	64	520
8	40	42	59	162	498	87	16	114	39	57	64	528
9	39	42	59	489	445	85	8.7	224	40	57	64	528
10	39	42	59	672	406	82	8.7	260	44	57	64	528
11	39	42	59	593	368	80	8.7	142	44	57	317	512
12	39	44	59	373	332	75	8.7	30	44	57	505	512
13	39	46	59	580	309	70	9.4	31	44	59	505	520
14	42	47	59	565	278	59	9.4	30	44	59	505	520
15	42	47	59	550	262	61	9.4	30	42	59	505	520
16	42	47	59	565	244	43	10	30	46	59	505	512
17	42	49	59	612	229	6.3	11	31	46	59	310	512
18	42	49	59	595	207	6.3	11	33	46	59	64	520
19	42	49	59	572	191	7.4	12	36	46	59	68	505
20	40	51	59	558	174	6.8	13	39	46	59	55	498
21	40	53	59	535	186	6.8	15	39	46	59	53	498
22	40	53	59	488	195	8.1	15	39	46	59	358	505
23	40	53	59	214	178	12	18	39	47	57	512	505
24	40	53	59	629	163	9.4	18	39	47	57	512	505
25	40	53	59	629	148	8.1	19	39	47	59	528	520
26	40	53	61	620	137	8.1	20	39	47	59	520	520
27	40	55	61	604	134	7.4	21	39	47	61	528	528
28	40	55	59	646	127	8.1	21	39	47	61	520	520
29	40	55	59	646	-------	6.8	22	39	47	61	512	512
30	40	53	59	646	-------	7.4	23	39	47	61	512	395
31	40	-------	59	638	-------	6.8	-------	39	-------	61	421	-------

Month	Observed discharge in second-feet			Gain or loss in storage (millions of cubic feet)	Discharge, in second-feet, corrected for storage		Run-off in inches
	Maximum	Minimum	Mean		Mean	Per square mile	
October	137	34	45.0	+382.6	188	2.31	2.66
November	55	40	47.3	+536.9	254	3.12	3.48
December	61	53	58.7	+32.3	70.8	.870	1.00
January	672	61	439	−1,024.5	56	.688	.79
February	654	127	343	−732.0	41	.504	.52
March	118	6.3	46.3	+219.3	128	1.57	1.81
April	23	6.8	12.9	+1,212.5	481	5.91	6.59
May	260	23	52.8	+1,140.2	478	5.87	6.77
June	47	39	43.7	+401.7	199	2.44	2.72
July	90	49	61.9	+150.4	118	1.45	1.67
August	528	53	288	−645.8	47	.577	.67
September	528	46	474	−1,175.2	21	.258	.29
The year	672	6.3	158	+498.4	174	2.14	28.97

CONNECTICUT RIVER AT SOUTH NEWBURY, VT.

LOCATION.—Chain gage at highway bridge at South Newbury, Orleans County, and 4 miles above mouth of Waits River.

DRAINAGE AREA.—2,830 square miles.

RECORDS AVAILABLE.—July, 1918, to December 1921; August, 1922, to September, 1927.

EXTREMES.—Maximum discharge during year, 24,600 second-feet March 19 (gage height, 19.48 feet); minimum, 615 second-feet August 14 (gage height, 0.66 foot).

1918–1927: Maximum discharge, 56,700 second-feet, revised, May 1, 1923 (gage height, 30.65 feet); minimum, 460 second-feet September 24, 1921 (gage height, 0.30 foot).

REMARKS.—Records good. 4,100 million cubic feet of storage developed above station. Discharge December 4 to March 17 estimated because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,300	5,640	7,140	1,900	2,470	1,660	5,310	5,750	5,090	1,660	1,780	3,300
2	2,140	6,080	6,420	1,940	2,560	1,780	5,090	5,200	4,540	1,660	1,700	2,650
3	2,300	5,640	4,870	1,780	2,380	1,700	4,980	4,870	4,980	1,450	1,550	2,140
4	1,740	4,650	4,320	1,820	2,300	1,590	4,540	4,540	4,650	1,070	1,270	1,900
5	1,860	4,320	4,100	1,900	2,180	1,520	4,980	4,760	3,800	1,660	1,040	1,940
6	3,400	4,100	3,900	1,940	2,060	1,660	4,980	6,300	4,430	2,020	980	2,060
7	8,830	3,400	3,800	1,860	1,940	1,590	5,420	6,300	5,970	1,820	1,100	1,900
8	11,000	3,100	3,900	1,740	1,900	1,550	5,750	5,640	5,530	1,900	740	1,780
9	10,000	2,740	4,000	1,550	2,060	2,060	5,310	6,080	4,760	2,380	800	1,740
10	9,610	6,300	4,210	1,410	1,900	2,220	4,870	5,090	4,540	2,830	920	1,450
11	9,480	5,640	4,430	1,520	1,980	2,180	4,430	4,980	4,320	2,300	980	1,040
12	9,090	10,000	4,650	1,660	1,820	2,180	4,210	5,200	3,500	1,940	950	1,200
13	7,620	8,100	4,650	1,900	1,780	2,560	4,430	5,750	3,400	1,660	860	1,040
14	3,100	5,750	4,430	1,860	1,740	4,320	4,760	5,970	3,400	1,980	640	1,700
15	3,700	5,090	4,210	1,740	1,820	7,380	4,540	6,190	3,300	1,900	2,650	1,590
16	3,800	4,980	3,800	1,860	1,860	11,400	4,430	7,260	2,920	1,700	5,640	1,620
17	3,700	7,260	3,300	1,480	1,740	15,900	5,090	6,900	2,560	1,820	3,900	1,700
18	3,600	9,610	2,740	2,020	1,820	21,200	7,620	6,660	2,300	1,590	3,010	1,550
19	4,210	9,870	2,560	2,380	1,620	24,300	9,740	8,340	2,140	1,620	2,470	1,520
20	3,800	10,800	2,470	2,560	1,740	22,500	13,200	9,610	2,020	1,980	2,060	1,660
21	3,500	9,350	2,560	2,920	2,060	19,000	15,600	10,000	1,740	1,820	1,590	1,780
22	3,300	8,100	2,560	3,010	1,940	15,500	16,400	9,610	1,660	1,310	1,240	1,980
23	3,300	6,540	2,470	3,100	1,700	11,000	18,200	8,960	1,550	1,040	1,170	1,740
24	3,800	5,530	2,060	3,100	1,590	8,220	18,500	10,700	1,310	830	1,100	1,520
25	4,870	5,310	1,740	2,740	1,620	7,020	16,100	9,220	1,240	1,070	1,660	1,450
26	8,830	4,540	2,020	2,560	1,520	6,420	12,000	8,220	1,450	1,450	1,310	1,310
27	8,830	4,760	1,940	2,560	1,660	5,860	9,220	7,620	1,550	1,380	1,410	1,040
28	7,020	5,640	1,860	2,380	1,740	5,530	8,220	7,500	1,520	1,340	1,550	1,270
29	3,900	7,740	2,020	2,380	-------	5,310	7,620	7,260	1,620	1,380	1,740	1,170
30	4,540	6,900	1,940	2,300	-------	4,980	6,660	6,540	1,550	1,520	2,140	1,010
31	4,210	-------	1,700	2,380	-------	4,650	-------	5,640	-------	1,660	3,800	------

Month	Observed discharge in second-feet			Gain or loss in storage (millions of cubic feet)	Discharge, in second-feet, corrected for storage		Run-off in inches
	Maximum	Minimum	Mean		Mean	Per square mile	
October	11,000	1,740	5,210	+382.6	5,350	1.89	2.18
November	10,080	2,740	6,250	+536.9	6,460	2.28	2.54
December	7,140	1,700	3,440	+32.3	3,460	1.22	1.41
January	3,100	1,410	2,140	−1,024.5	1,750	.618	.71
February	2,560	1,520	1,910	−732.0	1,610	.569	.59
March	24,300	1,520	7,250	+219.3	7,330	2.59	2.99
April	18,500	4,210	8,070	+1,212.5	8,540	3.02	3.37
May	10,700	4,540	6,860	+1,140.2	7,290	2.58	2.97
June	5,970	1,240	3,110	+401.7	3,270	1.16	1.29
July	2,830	830	1,670	+150.4	1,730	.611	.70
August	5,640	640	1,730	−645.8	1,490	.527	.61
September	3,300	1,010	1,660	−1,175.2	1,210	.428	.48
The year	24,300	640	4,120	+498.4	4,140	1.46	19.84

CONNECTICUT RIVER AT WHITE RIVER JUNCTION, VT.

LOCATION.—Chain gage at railroad bridge between Westboro, N. H., and White River Junction, Windsor County, Vt., and 1 mile above Mascoma River.

DRAINAGE AREA.—4,120 square miles.

RECORDS AVAILABLE.—November, 1911, to September, 1927.

EXTREMES.—Maximum discharge during year, 34,500 second-feet March 20 (gage height, 15.3 feet); minimum, 620 second-feet August 14 (gage height, 3.0 feet).

1912–1927: Maximum discharge, 113,000 second-feet, March 27, 1913 (gage height, 30.0 feet); minimum, 560 second-feet September 8, 1913 (gage height, 2.8 feet).

REMARKS.—Records good except for period of ice effect, December 17 to March 13, which are fair. Flow regulated by storage in First and Second Connecticut Lakes. Gage-height record furnished by New England Power Co.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,410	8,500	10,700	2,740	4,110	2,900	9,580	9,310	7,480	2,280	2,010	5,090
2	3,410	8,770	9,580	1,330	3,750	2,740	9,310	7,980	7,480	2,140	3,070	4,300
3	2,140	8,770	6,770	2,900	3,580	2,430	9,040	7,480	6,540	1,660	2,580	4,110
4	3,410	7,980	4,890	2,900	3,580	2,580	8,500	6,770	6,110	1,890	2,140	3,410
5	2,140	7,000	4,490	2,900	3,070	2,580	8,240	7,480	5,690	2,280	2,140	3,410
6	4,890	6,540	5,090	2,900	2,580	1,660	8,500	8,500	6,770	2,430	2,430	3,410
7	9,310	5,290	5,490	2,900	3,580	2,740	8,770	8,500	7,480	2,740	1,130	3,070
8	12,500	6,110	5,290	2,900	3,410	2,900	9,040	7,980	7,480	2,430	1,890	2,740
9	11,900	5,900	5,690	1,550	3,240	2,900	9,040	7,980	6,540	2,740	2,140	2,430
10	9,040	14,300	6,540	2,580	3,070	3,750	8,500	7,480	5,900	2,580	2,140	2,430
11	7,000	16,000	6,110	2,580	3,070	3,750	7,980	7,980	5,690	3,410	2,010	1,890
12	5,690	14,700	5,490	2,580	2,900	3,930	7,240	8,240	4,890	3,410	1,660	2,140
13	4,890	12,500	6,320	2,740	1,890	4,300	7,480	7,980	5,290	3,070	1,660	2,280
14	4,890	9,580	5,490	2,900	2,900	13,700	7,480	7,980	4,890	3,070	680	2,280
15	5,090	8,500	5,290	2,900	2,900	21,100	7,240	7,730	4,890	3,750	750	2,430
16	4,690	7,980	4,890	2,430	3,070	22,200	7,240	10,400	4,110	3,580	5,090	2,430
17	3,240	13,700	4,110	3,240	3,070	22,500	7,480	10,700	3,750	3,750	5,690	2,430
18	4,690	13,700	3,580	3,240	2,900	24,700	10,100	11,000	3,410	3,410	4,300	2,280
19	5,490	15,600	3,240	3,240	2,900	33,200	13,100	12,500	2,740	3,410	3,580	2,280
20	5,490	16,700	3,750	3,240	1,660	34,000	17,000	13,700	3,240	3,070	3,070	2,430
21	5,490	14,700	3,930	4,300	3,070	30,800	19,700	14,000	2,740	2,740	1,660	2,900
22	4,890	13,100	3,930	4,490	2,900	24,700	20,400	13,100	2,740	2,580	2,740	2,900
23	4,890	10,400	3,930	4,690	2,900	19,000	22,500	13,100	2,740	2,580	2,430	2,740
24	4,890	9,040	3,930	5,090	2,580	14,300	23,900	13,700	2,740	1,440	2,140	2,140
25	10,400	8,500	3,070	4,110	2,740	12,200	21,100	13,100	2,740	2,280	2,140	2,140
26	14,000	7,480	3,240	3,750	2,740	11,300	17,700	11,900	1,660	1,890	2,140	2,010
27	13,100	8,500	3,240	3,580	1,770	10,100	13,700	11,000	2,280	1,890	2,140	2,010
28	11,300	10,100	3,070	3,240	2,740	9,580	11,900	10,400	2,430	1,890	1,230	1,890
29	9,040	10,700	3,240	3,070	-------	9,310	10,700	9,040	2,140	2,140	1,660	1,890
30	7,730	11,000	3,070	2,900	-------	9,040	10,100	8,500	2,140	2,140	4,890	1,890
31	6,770	-------	2,900	3,750	-------	9,040	-------	7,980	-------	890	5,690	-------

Month	Observed discharge in second-feet			Gain or loss in storage (millions of cubic feet)	Discharge, in second-feet, corrected for storage		Run-off in inches
	Maximum	Minimum	Mean		Mean	Per square mile	
October	14,000	2,140	6,640	+382.6	6,780	1.65	1.90
November	16,700	5,290	10,400	+536.9	10,600	2.57	2.87
December	10,700	2,900	4,850	+32.3	4,860	1.18	1.36
January	5,090	1,330	3,150	−1,024.5	2,770	.672	.77
February	4,110	1,660	2,950	−732.0	2,650	.643	.67
March	34,000	1,660	11,900	+219.3	12,000	2.91	3.36
April	23,900	7,240	11,800	+1,212.5	12,200	2.96	3.30
May	14,000	6,770	9,790	+1,140.2	10,200	2.48	2.86
June	7,480	1,660	4,490	+401.7	4,650	1.13	1.26
July	3,750	890	2,570	+150.4	2,620	.636	.73
August	5,690	680	2,550	−645.8	2,310	.561	.65
September	5,090	1,890	2,660	−1,175.2	2,210	.536	.60
The year	34,000	680	6,160	+498.4	6,170	1.50	20.33

CONNECTICUT RIVER AT SUNDERLAND, MASS.

LOCATION.—Water-stage recorder at highway bridge at Sunderland, Franklin County, 8 miles below mouth of Deerfield River. Zero of gage is 99.00 feet above mean sea level.

DRAINAGE AREA.—8,000 square miles.

RECORDS AVAILABLE.—March, 1904, to September, 1927.

EXTREMES.—Maximum discharge during year, 72,700 second-feet March 19 (gage height, 21.54 feet); minimum, 708 second-feet October 4 (gage height, 0.48 foot).

1904–1927: Maximum discharge, 135,000 second-feet, revised, March 28, 1913 (gage height, 30.7 feet); minimum, 450 second-feet August 29, 1921 (gage height, 0.0 foot).

REMARKS.—Records fair. Flow regulated by storage reservoirs above station. Discharge December 5 to March 14 estimated because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6,490	9,520	19,900	6,720	11,300	6,950	18,400	11,000	12,300	4,400	3,020	8,960
2	5,200	11,700	19,200	6,490	10,100	6,950	20,600	14,000	14,000	4,990	5,410	10,100
3	1,840	14,000	18,400	6,950	10,700	7,180	18,400	11,700	11,000	1,620	5,410	9,810
4	3,330	12,600	15,300	6,270	9,810	7,660	18,100	11,300	10,400	1,960	4,030	7,910
5	5,200	12,000	6,720	6,270	10,100	6,490	19,200	12,000	6,950	3,670	5,410	6,720
6	5,200	12,000	7,910	6,950	7,660	3,670	17,000	12,600	8,960	4,030	5,200	6,720
7	6,050	7,420	8,690	7,660	7,420	6,720	17,400	14,000	12,000	3,500	3,170	7,910
8	7,660	8,690	9,810	6,720	7,660	7,180	18,800	11,700	12,000	4,210	2,720	6,720
9	12,600	8,690	11,000	4,790	7,910	9,240	16,700	13,000	10,700	4,400	4,400	4,400
10	10,400	18,400	10,400	6,950	6,950	13,000	17,000	15,000	10,700	2,580	3,670	4,400
11	12,000	25,500	10,700	6,950	7,910	12,000	17,400	14,700	8,960	4,590	4,400	1,960
12	7,910	24,300	11,300	6,270	7,180	12,300	16,000	15,400	7,420	6,270	4,030	3,500
13	6,950	22,500	10,700	6,490	4,790	13,000	13,600	15,000	8,690	5,620	4,590	4,030
14	6,950	19,200	11,000	6,270	6,050	33,400	13,600	13,600	7,910	4,790	2,720	3,850
15	6,720	15,700	11,000	6,050	7,180	45,800	15,000	9,520	7,420	5,620	2,720	4,790
16	6,720	15,300	10,700	5,200	7,180	52,600	14,300	16,000	6,720	8,420	4,210	3,330
17	5,200	23,200	10,400	6,950	6,490	58,900	9,520	17,400	7,660	4,990	4,400	3,330
18	5,200	26,200	9,240	8,420	7,180	58,300	12,600	19,200	6,050	6,720	5,620	1,730
19	5,830	29,600	5,620	7,180	7,660	70,000	14,300	19,200	4,030	6,490	4,790	4,030
20	7,420	32,700	7,910	7,660	4,590	68,500	21,700	17,400	4,790	8,160	5,410	4,990
21	8,420	28,900	7,660	8,160	5,620	61,800	24,700	17,400	5,200	6,720	2,720	4,400
22	8,160	24,300	7,180	10,700	6,270	58,700	27,700	20,300	4,790	6,490	3,170	4,210
23	6,720	21,700	7,660	9,810	6,490	47,000	31,900	18,800	4,790	5,410	4,990	5,410
24	5,200	19,500	7,910	11,700	6,950	40,000	33,400	20,300	4,400	2,320	4,590	4,790
25	8,960	16,700	6,490	10,700	7,420	31,500	31,900	21,000	4,790	4,790	3,500	1,840
26	18,800	16,000	5,620	11,300	9,810	23,200	30,800	21,000	1,730	4,790	3,670	3,560
27	21,400	16,000	5,830	9,520	6,270	23,200	25,500	20,300	3,170	4,790	4,210	5,620
28	17,800	18,400	6,490	9,240	6,050	22,500	21,700	20,600	5,620	4,400	3,330	4,990
29	16,700	19,200	7,660	10,100	-------	20,300	18,400	18,800	4,790	4,590	3,500	4,400
30	15,700	19,200	7,420	9,520	-------	21,000	19,500	15,300	4,990	4,400	5,830	4,030
31	10,100	-------	7,180	10,100	-------	20,300	-------	15,300	-------	2,870	7,910	------

Month	Observed discharge in second-feet			Gain or loss in storage (millions of cubic feet)	Discharge, in second-feet, corrected for storage		Run-off in inches
	Maximum	Minimum	Mean		Mean	Per square mile	
October	21,400	1,840	8,800	+558	9,010	1.13	1.30
November	32,700	7,420	18,300	+2,000	19,100	2.39	2.67
December	19,900	5,620	9,770	−1,051	9,380	1.17	1.35
January	11,700	4,790	7,870	−2,209	7,050	.881	1.02
February	11,300	4,590	7,520	−1,975	6,710	.839	.87
March	70,000	3,670	27,900	+2,552	28,800	3.60	4.15
April	33,400	9,520	19,800	+3,059	21,000	2.62	2.92
May	21,000	9,520	15,900	+2,215	16,700	2.09	2.41
June	14,000	1,730	7,430	+187	7,500	.938	1.05
July	8,420	1,620	4,790	−565	4,580	.572	.66
August	7,910	2,720	4,280	−1,660	3,660	.458	.53
September	10,100	1,730	5,080	−2,195	4,230	.529	.59
The year	70,000	1,620	11,500	916	11,500	1.44	19.52

WHITE RIVER AT WEST HARTFORD, VT.

LOCATION.—Staff gage 500 feet above highway bridge at West Hartford, Windsor County, and 7 miles above mouth of river.

DRAINAGE AREA.—687 square miles.

RECORDS AVAILABLE.—June, 1915, to October, 1927 (discontinued).

EXTREMES.—Maximum discharge during period, 140,000 second-feet November 4, 1927 (gage height, 29.3 feet); minimum, 175 second-feet August 27 (gage height, 3.01 feet).

1915–1927: Maximum discharge, that of November 4, 1927; minimum, 19 second-feet June 27, 1923 (gage height, 2.05 feet).

REMARKS.—Records good except those for ice-affected period, December 5 to March 13, which are fair. Station destroyed by flood of November 4, 1927. Flow regulated by reservoirs and power plants above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	265	2,320	1,860	685	960	620	1,970	1,040	925	345	1,970	717	200
2	265	1,860	1,550	685	1,040	620	1,750	685	855	305	890	652	187
3	445	1,750	890	652	750	620	1,750	685	750	265	620	960	200
4	472	1,650	750	620	750	560	1,650	890	685	265	445	750	2,990
5	265	1,550	685	685	750	530	1,550	1,280	890	265	345	620	1,970
6	2,200	1,460	620	620	717	590	1,550	1,280	1,040	265	325	500	820
7	2,320	1,370	620	620	750	620	1,970	1,120	820	265	285	370	717
8	1,370	1,550	620	530	750	685	1,650	960	685	265	285	345	855
9	1,040	1,750	652	500	750	750	1,460	925	652	325	305	305	785
10	855	7,700	750	530	717	820	1,370	890	560	247	285	285	685
11	717	2,990	785	590	685	855	1,370	1,550	1,120	215	247	305	590
12	620	2,200	820	590	685	1,040	1,370	1,370	685	247	247	560	530
13	560	1,970	820	590	685	1,370	1,370	1,200	590	685	230	395	4,180
14	1,040	1,650	855	590	652	12,100	1,280	1,120	472	1,120	200	345	3,470
15	820	1,750	785	560	620	7,900	1,200	1,120	472	1,650	445	345	1,970
16	685	1,970	717	560	652	7,100	1,370	1,550	500	1,750	395	395	1,550
17	620	3,820	685	560	685	5,700	1,460	1,550	420	1,650	285	325	1,280
18	890	2,200	717	530	652	6,300	1,860	1,550	370	1,460	265	285	1,200
19	785	2,700	717	500	620	8,950	1,370	2,700	370	890	265	345	1,120
20	717	2,700	717	560	590	6,300	2,570	2,080	370	620	247	590	3,640
21	750	2,200	750	1,040	560	4,360	2,200	1,970	370	500	215	420	4,000
22	820	1,970	750	960	590	3,300	1,860	1,550	325	345	230	325	2,570
23	855	1,750	685	1,120	652	2,440	2,320	1,550	325	265	200	305	1,970
24	1,200	1,750	620	1,280	685	2,080	1,970	1,370	420	345	215	247	1,750
25	5,300	1,550	652	620	685	1,970	1,650	1,280	420	345	230	265	1,370
26	4,360	1,370	685	530	750	1,860	1,460	1,550	420	345	230	265	1,370
27	2,440	2,440	685	500	717	1,970	1,460	1,460	395	285	200	230	1,200
28	1,970	1,750	590	500	652	1,860	1,280	1,370	395	420	265	215	1,200
29	1,650	1,550	652	717	-------	1,860	1,200	1,200	395	305	960	215	1,200
30	1,460	1,970	685	960	-------	1,750	1,120	1,040	370	285	1,860	215	-------
31	1,460	-------	685	960	-------	2,080	-------	960	-------	325	1,040	-------	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926–27					
October	5,300	265	1,270	1.85	2.13
November	7,700	1,370	2,170	3.16	3.53
December	1,860	590	776	1.13	1.30
January	1,280	500	676	.984	1.13
February	1,040	560	705	1.03	1.07
March	12,100	530	2,890	4.21	4.85
April	2,570	1,120	1,610	2.34	2.61
May	2,700	685	1,320	1.92	2.21
June	1,120	325	569	.828	.92
July	1,750	215	544	.792	.91
August	1,970	200	459	.668	.77
September	960	215	403	.587	.65
The year	12,100	200	1,120	1.63	22.08
1927					
October 1–29	4,180	187	1,570	2.29	2.47

MASCOMA RIVER AT MASCOMA, N. H.

LOCATION.—Water-stage recorder 250 feet below railroad bridge and 1,500 feet feet below outlet of Mascoma Lake, in Mascoma, Grafton County.

DRAINAGE AREA.—148 square miles.

RECORDS AVAILABLE.—August, 1923, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,320 second-feet March 20 (gage height, 4.51 feet); minimum, 2.8 second-feet September 5 (gage height, 1.18 feet).

1923–1927: Maximum discharge, 3,700 second-feet March 30, 1925 (gage height, 6.25 feet); minimum, 1.2 second-feet June 28, 1925 (gage height, 1.03 feet).

REMARKS.—Records excellent. Flow regulated by 1,500,000,000 cubic feet of storage developed above gage.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	89	100	234	84	98	130	306	220	153	110	97	91
2	89	100	228	87	98	153	313	203	140	108	95	91
3	79	103	191	102	98	153	313	186	135	108	102	91
4	89	104	172	98	98	151	310	178	128	106	95	3.3
5	88	105	156	98	100	146	296	186	121	104	100	2.8
6	89	103	151	97	100	143	292	217	126	104	95	95
7	88	90	146	97	100	140	303	223	146	104	84	95
8	89	105	140	95	100	159	324	205	143	104	95	93
9	93	105	138	95	100	164	317	183	130	106	95	95
10	79	110	138	95	106	161	299	180	126	106	97	93
11	89	117	130	95	110	159	282	178	123	106	97	83
12	89	133	115	97	110	159	272	175	123	104	97	100
13	89	132	117	98	110	159	269	167	121	104	93	98
14	89	140	117	98	110	161	272	151	121	102	83	100
15	91	172	119	102	110	170	228	148	121	102	95	102
16	89	189	119	106	108	189	205	159	121	102	91	102
17	79	310	117	106	108	203	253	211	121	95	91	97
18	90	435	121	100	108	343	306	246	121	104	98	79
19	87	453	135	100	106	956	343	256	119	104	95	100
20	91	475	119	98	106	1,300	381	272	117	104	100	100
21	93	422	119	97	106	1,180	422	275	117	104	83	91
22	93	343	115	95	104	825	409	259	117	102	95	93
23	90	286	117	95	104	600	453	231	115	102	95	91
24	79	250	112	95	104	466	589	226	115	95	95	89
25	97	220	110	97	102	397	574	205	115	100	95	79
26	98	205	115	97	102	351	448	203	115	100	95	89
27	100	211	110	97	102	321	381	217	115	100	91	89
28	104	240	104	97	102	299	317	246	115	100	75	87
29	104	228	104	98	-------	292	286	234	112	100	91	89
30	104	228	104	98	-------	286	253	205	110	100	91	87
31	91	-------	100	98	-------	289	-------	180	-------	47	91	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	104	79	90.6	0.612	0.71
November	475	90	207	1.40	1.56
December	234	100	133	.899	1.04
January	106	84	97.2	.657	.76
February	108	98	104	.703	.73
March	1,300	130	342	2.31	2.66
April	589	205	334	2.26	2.52
May	275	148	207	1.40	1.61
June	153	110	123	.831	.93
July	110	47	101	.682	.79
August	102	75	93.3	.630	.73
September	102	2.8	86.5	.584	.65
The year	1,300	2.8	160	1.08	14.69

ASHUELOT RIVER NEAR GILSUM, N. H.

LOCATION.—Water-stage recorder at stone-arch highway bridge on Keene-Newport road, 1 mile below Gilsum, Cheshire County.

DRAINAGE AREA.—68.5 square miles.

RECORDS AVAILABLE.—August, 1922, to September, 1927.

EXTREMES.—Maximum discharge during year, 810 second-feet March 15 (gage height, 6.60 feet); minimum, 6.0 second-feet October 2 (gage height, 1.22 feet).

1922–1927: Maximum discharge, 1,490 second-feet April 25, 1926 (gage height, 8.33 feet); minimum, approximately 1 second-foot October 6, 1922, and July 10, 1923.

REMARKS.—Records fair. Discharge estimated December 4 to March 12 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	92	176	68	60	36	203	112	88	33	113	111
2	11	91	153	64	55	35	191	103	75	30	86	122
3	25	87	117	59	50	33	194	94	66	26	56	104
4	17	78	101	55	46	33	189	94	59	25	40	79
5	10	71	90	51	42	32	186	111	88	30	32	57
6	22	64	84	47	39	32	186	116	100	37	29	46
7	50	56	80	41	38	35	227	102	77	45	23	40
8	43	56	77	38	37	53	216	92	64	56	27	37
9	36	94	74	35	36	101	189	88	56	42	41	32
10	30	461	72	33	35	90	182	98	54	21	39	38
11	25	374	70	33	34	88	167	200	132	24	30	36
12	30	292	66	36	33	90	160	212	97	26	25	36
13	22	253	64	40	33	191	181	203	69	27	21	43
14	34	200	66	46	33	342	178	216	51	32	21	38
15	32	167	70	55	32	610	167	198	42	64	21	38
16	21	179	77	61	32	610	166	233	39	80	22	40
17	38	416	85	65	32	568	191	313	34	97	22	37
18	56	374	88	63	31	610	218	299	30	89	22	33
19	47	399	91	63	31	754	235	260	26	79	36	36
20	39	390	92	67	31	678	243	214	30	56	22	37
21	40	320	90	80	32	568	241	182	32	67	25	40
22	42	260	89	99	33	480	260	161	25	58	24	39
23	44	200	88	112	34	366	382	141	15	46	33	39
24	47	164	85	99	35	313	358	133	14	46	40	29
25	183	140	82	80	36	272	299	132	29	39	31	26
26	189	129	80	66	36	222	253	146	46	31	35	23
27	118	214	82	57	36	203	212	156	71	29	35	33
28	81	214	83	54	36	184	181	150	57	35	37	29
29	63	173	82	55	------	181	154	130	43	28	101	25
30	55	168	78	58	------	170	132	110	37	27	120	38
31	61	------	72	65	------	188	------	97	------	38	92	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	189	10	49.0	0.715	0.82
November	461	56	206.	3.00	3.35
December	176	64	87.2	1.27	1.46
January	112	33	59.5	.868	1.00
February	60	31	37.0	.540	.56
March	754	32	263	3.84	4.43
April	382	132	211	3.08	3.44
May	313	88	158	2.31	2.66
June	132	14	54.9	.801	.89
July	97	21	44.0	.642	.74
August	120	21	42.0	.613	.71
September	122	23	45.4	.663	.74
The year	754	10	105	1.53	20.80

ASHUELOT RIVER AT HINSDALE, N. H.

LOCATION.—Chain gage at lower highway bridge in Hinsdale, Cheshire County, a quarter of a mile below dam and 1½ miles above mouth of river.

DRAINAGE AREA.—440 square miles.

RECORDS AVAILABLE.—February, 1907, to December, 1909; July, 1914, to September, 1927.

EXTREMES.—Maximum discharge during year, 4,310 second-feet March 17 (gage height, 6.88 feet); minimum, 26 second-feet October 3 (gage height, 2.32 feet).

1907–1909, 1914–1927: Maximum discharge, 8,940 second-feet March 29, 1920 (gage height, 9.98 feet); minimum, 5 second-feet August 12, 1923 (gage height, 1.87 feet).

REMARKS.—Records good except those for period of ice effect, December 4 to March 6, which are fair. Flow regulated somewhat by storage reservoirs.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	127	415	952	221	235	184	1,150	595	595	271	442	442
2	106	442	775	207	224	200	1,100	530	500	228	595	470
3	48	470	595	193	214	207	1,000	442	500	149	415	390
4	54	390	530	174	204	218	815	500	342	193	284	302
5	91	365	470	143	193	239	1,000	530	342	155	221	259
6	152	320	442	155	180	271	952	595	660	184	251	267
7	207	302	442	170	177	320	952	595	627	161	122	239
8	259	298	470	180	174	500	1,050	415	442	140	204	204
9	214	320	470	207	174	697	905	442	415	228	267	184
10	95	1,210	470	235	180	860	735	442	365	137	320	180
11	155	1,950	470	267	177	860	735	775	390	193	298	67
12	143	1,440	442	267	161	905	697	1,000	470	228	228	243
13	108	905	415	251	143	1,320	775	860	390	180	302	243
14	170	697	390	224	140	1,950	697	697	311	146	298	200
15	167	660	365	207	140	2,960	735	660	302	267	251	200
16	149	1,100	320	235	155	4,160	627	755	320	259	207	174
17	95	1,380	302	342	146	4,310	627	1,210	275	200	137	155
18	200	1,690	284	342	140	3,860	660	1,440	259	442	190	87
19	267	1,820	284	214	143	3,710	660	1,000	247	320	170	221
20	267	2,090	311	180	146	2,960	627	905	255	267	174	174
21	284	1,560	342	243	143	3,560	595	815	218	239	132	158
22	251	1,000	342	320	140	3,260	660	697	200	275	187	170
23	280	1,000	320	365	140	2,810	1,260	627	137	275	184	143
24	143	860	311	342	158	2,230	1,500	735	187	224	152	130
25	342	660	293	311	164	1,690	905	697	167	247	127	28
26	952	595	293	284	180	1,560	942	905	180	207	155	143
27	660	815	298	251	193	1,380	1,000	1,100	311	187	149	132
28	442	952	302	243	190	1,260	775	1,050	302	155	97	132
29	365	905	284	228	-------	1,150	660	735	293	143	221	190
30	311	905	255	214	-------	1,150	660	735	311	184	627	87
31	259	-------	235	232	-------	1,150	-------	595	-------	120	390	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	952	48	238	0.541	0.62
November	2,090	298	917	2.08	2.32
December	952	235	402	.914	1.05
January	365	143	240	.545	.63
February	235	140	170	.386	.40
March	4,310	184	1,670	3.80	4.38
April	1,500	595	849	1.93	2.15
May	1,440	415	745	1.69	1.95
June	660	137	344	.782	.87
July	442	120	213	.484	.56
August	627	97	252	.573	.66
September	470	28	200	.455	.51
The year	4,310	28	523	1.19	16.10

OTTER BROOK NEAR KEENE, N. H.

LOCATION.—Water-stage recorder at bridge on Keene-Sullivan highway, 3½ miles northeast of Keene, Cheshire County, and 3½ miles above confluence with Minnewawa Brook.

DRAINAGE AREA.—39.5 square miles.

RECORDS AVAILABLE.—October, 1923, to September, 1927.

EXTREMES.—Maximum discharge during year, 595 second-feet March 19 (gage height, 4.45 feet); minimum, 4.2 second-feet August 26 (gage height, 2.04 feet).

1923–1927: Maximum discharge, 1,440 second-feet April 7, 1924 (gage height, 5.98 feet); minimum, 2 second-feet several days in August and November, 1924.

REMARKS.—Records good except those for ice-affected period, December 4 to March 16, which are probably fair. Discharge estimated March 26 to April 1 because of missing gage-height record. Little if any utilization of storage above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	72	100	36	71	37	136	57	54	28	81	24
2	19	61	87	30	61	36	126	59	48	21	58	30
3	12	57	86	30	48	35	117	56	44	17	36	31
4	13	49	78	31	35	34	115	54	40	17	27	24
5	22	44	75	28	28	32	109	69	59	19	22	19
6	31	38	72	27	27	29	113	68	74	20	20	16
7	31	32	72	25	47	27	136	57	61	23	17	16
8	23	33	76	22	46	65	117	48	49	41	19	15
9	19	58	82	22	45	87	98	50	43	25	39	14
10	12	373	82	22	43	64	90	48	41	13	31	10
11	14	219	72	25	41	59	74	115	87	15	22	16
12	19	123	66	28	36	61	92	95	72	19	19	20
13	20	86	61	28	30	87	101	92	55	19	14	12
14	29	71	56	27	31	185	95	81	45	19	12	14
15	23	69	52	27	37	280	86	75	41	24	12	13
16	23	92	49	34	43	353	86	107	36	49	12	14
17	21	298	47	48	41	452	89	168	31	40	10	9.2
18	32	188	47	57	39	502	97	128	26	35	8.8	9.2
19	29	219	47	62	33	535	95	101	22	30	9.6	13
20	24	179	55	92	27	430	95	90	27	32	9.6	23
21	29	126	72	173	28	341	90	78	29	50	9.2	22
22	28	105	68	168	32	270	101	68	24	36	12	22
23	28	92	51	148	30	209	203	68	24	27	12	22
24	19	84	52	111	37	170	143	68	24	24	12	16
25	138	72	58	81	39	143	113	74	17	24	10	10
26	90	72	46	52	39	123	95	90	32	23	9.6	14
27	74	140	46	33	39	121	92	98	44	22	5.7	19
28	51	113	48	27	39	121	78	84	33	22	8.8	20
29	42	93	47	23	-------	121	75	68	31	23	75	19
30	35	97	45	20	-------	126	65	56	30	19	50	21
31	43	-------	39	18	-------	128	-------	56	-------	35	32	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	138	12	32.5	0.823	0.95
November	373	32	112	2.84	3.17
December	100	39	62.4	1.58	1.82
January	173	18	50.2	1.27	1.46
February	71	27	39.0	.987	1.03
March	535	27	170	4.30	4.96
April	203	65	104	2.63	2.93
May	168	48	78.3	1.98	2.28
June	87	17	41.4	1.05	1.17
July	50	13	26.2	.663	.76
August	81	5.7	23.1	.585	.67
September	31	9.2	17.6	.446	.50
The year	535	5.7	63.2	1.60	21.70

SOUTH BRANCH OF ASHUELOT RIVER AT WEBB, NEAR MARLBORO, N. H.

LOCATION.—Water-stage recorder at bridge one-fourth mile from Webb railroad station, Marlboro, Cheshire County.

DRAINAGE AREA.—36.6 square miles.

RECORDS AVAILABLE.—November, 1920, to September, 1927.

EXTREMES.—Maximum discharge during year, 575 second-feet March 17 (gage height, 3.90 feet); minimum, 0.8 second-foot October 1, 3, and 4 (gage height, 0.90 foot).

1920–1927: Maximum discharge, 1,680 second-feet, revised, February 12, 1925 (gage height, 5.53 feet); minimum, 0.4 second-foot September 15–17, 1926.

REMARKS.—Records good except those for ice-affected period, December 5 to March 16, which are poor. Flow regulated by several small storage ponds above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.6	44	95	52	31	23	126	31	48	21	102	33
2	2.0	48	70	50	30	22	100	41	48	14	55	42
3	1.2	64	95	47	30	22	91	33	47	14	39	28
4	8.4	63	69	44	28	21	105	26	31	11	20	27
5	2.7	53	48	40	28	20	93	33	52	20	18	21
6	6.3	37	49	38	27	19	90	37	61	18	16	26
7	7.8	21	51	35	27	20	95	36	52	17	37	12
8	6.3	40	53	33	28	26	62	50	43	15	52	18
9	12	38	56	33	29	44	60	46	33	7.8	83	21
10	5.0	280	56	36	28	59	57	39	27	11	68	4.8
11	7.8	100	55	58	28	67	66	113	36	4.6	59	22
12	4.6	48	52	40	28	63	57	58	25	7.8	55	30
13	3.8	36	51	41	27	57	63	64	26	3.6	51	25
14	2.3	43	50	40	26	182	54	52	20	7.8	22	20
15	4.6	52	48	39	26	280	46	52	22	20	22	25
16	9.9	84	46	36	27	366	38	93	18	36	19	12
17	2.9	229	44	35	28	418	40	140	11	60	17	9.5
18	13	116	43	33	30	474	48	102	22	37	30	5.7
19	14	157	42	30	30	478	44	66	24	17	24	19
20	6.6	128	45	29	29	366	39	62	23	21	16	17
21	11	93	48	29	28	320	26	50	12	28	3.2	9.0
22	25	93	50	30	28	280	45	43	7.8	24	19	6.7
23	8.4	76	50	32	27	194	111	56	12	12	17	7.1
24	12	82	48	34	26	157	87	66	25	15	3.2	3.6
25	91	51	47	36	25	134	92	76	14	21	2.3	1.6
26	71	76	45	38	25	118	64	110	34	12	6.1	9.0
27	52	140	47	37	23	125	70	161	44	8.4	3.5	14
28	40	86	48	36	23	132	49	100	30	30	8.6	6.4
29	17	78	50	34	-------	121	54	79	36	32	89	1.6
30	16	90	51	33	-------	114	44	58	28	27	56	1.2
31	13	-------	52	32	-------	125	-------	61	-------	58	34	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	91	1.2	15.5	0.423	0.49
November	280	21	84.9	2.32	2.59
December	95	42	53.4	1.46	1.68
January	52	29	36.8	1.01	1.16
February	31	23	27.5	.751	.78
March	478	19	156	4.26	4.91
April	126	26	67.2	1.84	2.05
May	161	26	65.6	1.79	2.06
June	61	7.8	30.4	.831	.93
July	60	3.6	20.4	.557	.64
August	102	2.3	33.8	.923	1.06
September	42	1.2	15.9	.434	.48
The year	478	1.2	50.8	1.39	18.83

MILLERS RIVER NEAR WINCHENDON, MASS.

LOCATION.—Water-stage recorder at Nolans Bridge, half a mile below mouth of Sip Pond Brook and 2 miles west of Winchendon, Worcester County.

DRAINAGE AREA.—80 square miles.

RECORDS AVAILABLE.—June, 1916, to September, 1927.

EXTREMES.—Maximum discharge, 715 second-feet March 14 (gage height, 6.62 feet); minimum, 10 second-feet October 10 (gage height, 2.55 feet).

1916–1927: Maximum discharge, 1,760 second-feet, revised, June, 25, 1922 (gage height, 8.65 feet); practically no flow September 20, 1918, and January 14, 1925.

REMARKS.—Records poor. Flow regulated by storage in Lake Monomona and other reservoirs. Discharge estimated because of ice effect December 3 to March 8, and because of missing gage-height record October 23–25, April 27–28, May 6–10, 24–26, August 22–25, and September 6–12.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	50	181	40	150	165	308	42	126	88	153	137
2	12	55	176	40	150	145	287	92	114	74	150	184
3	12	52	100	105	140	150	149	122	118	23	124	144
4	12	62	70	105	130	180	226	121	76	30	116	77
5	15	35	30	125	120	135	258	127	32	46	82	98
6	44	26	85	105	80	60	277	130	108	72	57	125
7	25	21	75	90	130	130	269	125	140	62	47	80
8	29	32	70	50	125	170	207	50	110	56	98	66
9	12	53	70	45	130	234	156	60	92	42	157	74
10	10	233	70	100	100	212	83	150	108	22	136	74
11	12	274	65	115	95	215	168	178	58	58	107	30
12	15	212	25	90	90	192	162	164	27	77	74	110
13	16	122	110	90	40	166	158	156	80	68	59	82
14	13	72	100	100	90	450	126	104	84	55	38	89
15	29	129	95	75	95	449	144	70	76	52	110	108
16	17	110	95	60	110	519	104	170	87	49	94	94
17	12	196	105	100	135	507	53	222	76	38	96	76
18	22	146	80	110	150	507	142	228	52	134	79	28
19	22	232	35	120	170	484	111	200	23	92	77	82
20	18	267	110	110	65	464	132	188	62	75	54	122
21	31	174	120	100	200	527	128	126	78	72	29	100
22	38	228	115	130	140	570	135	58	89	82	40	90
23	50	170	100	100	180	508	184	152	58	51	45	48
24	100	160	100	95	170	460	156	130	66	33	80	74
25	155	39	20	80	180	400	226	200	42	56	60	27
26	110	136	20	135	160	320	196	250	28	71	44	89
27	66	134	85	125	105	208	180	275	90	70	78	74
28	38	63	90	140	150	276	170	205	76	58	62	74
29	37	170	85	120	-------	308	140	137	99	54	214	77
30	41	173	80	100	-------	330	104	113	94	53	161	66
31	29	-------	80	150	-------	307	-------	166	-------	41	115	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	----------	10	34.0	0.425	0.49
November	274	21	128	1.60	1.78
December	181	----------	85.2	1.06	1.22
January	----------	----------	98.4	1.23	1.42
February	----------	----------	128	1.60	1.67
March	570	----------	314	3.92	4.52
April	308	53	171	2.14	2.39
May	275	42	146	1.82	2.10
June	140	23	79.0	.988	1.10
July	134	22	59.8	.748	.86
August	214	29	91.5	1.14	1.31
September	184	27	86.6	1.08	1.20
The year	570	10	118	1.48	20.06

MILLERS RIVER AT ERVING, MASS.

LOCATION.—Water-stage recorder one-fourth mile below dam at Erving, Franklin County, 8 miles above mouth and below all important tributaries.

DRAINAGE AREA.—372 square miles.

RECORDS AVAILABLE.—August, 1914, to September, 1927.

EXTREMES.—Maximum discharge during year, 3,950 second-feet March 16 (gage height, 4.95 feet); minimum, 8 second-feet October 24 (gage height, 0.98 foot).

1914–1927: Maximum discharge, 6,020 second-feet, revised, March 28, 1920 (gage height, 5.74 feet); practically no flow at times during 1915 and 1916.

REMARKS.—Records good, except for estimated periods, October 1, 9–11, 16–18, 31, November 1, December 4–11, December 16 to February 17, and March 3–5, for which records are fair. Flow regulated by storage reservoirs above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	210	750	310	335	595	1,040	280	705	360	530	530
2	64	250	845	250	350	490	1,010	470	475	255	650	495
3	12	215	675	250	335	420	870	445	435	96	645	635
4	51	275	540	255	335	365	880	395	370	220	485	250
5	60	195	430	260	375	340	710	390	290	310	400	360
6	90	82	375	275	350	350	815	505	550	245	305	420
7	116	83	330	285	310	415	870	365	535	225	225	270
8	144	290	305	290	280	480	855	335	560	220	355	225
9	160	225	295	300	275	795	740	390	520	230	600	245
10	48	745	310	315	270	890	565	390	395	54	800	245
11	52	1,250	280	320	260	850	565	620	600	295	590	96
12	32	1,140	275	325	250	975	620	735	350	280	505	355
13	81	805	485	290	245	1,160	490	685	415	188	355	300
14	130	555	445	210	245	1,970	580	540	405	260	285	260
15	116	595	415	230	255	2,810	495	465	365	380	440	265
16	68	535	430	210	290	3,470	495	615	370	715	250	300
17	40	730	475	230	335	3,310	350	1,090	285	540	310	275
18	134	860	515	215	450	3,330	400	1,200	198	630	260	82
19	110	990	500	205	525	3,290	305	1,110	240	470	370	335
20	99	1,190	475	240	415	2,920	435	835	375	350	270	270
21	152	1,150	410	250	640	2,850	420	725	285	340	134	375
22	47	995	360	360	380	3,090	450	540	245	315	240	390
23	104	835	315	325	555	2,610	770	550	235	250	250	280
24	132	690	255	260	495	2,190	725	570	280	124	315	330
25	555	535	205	220	550	1,780	910	760	295	335	260	88
26	700	570	196	215	465	1,490	840	1,120	128	210	320	355
27	575	690	385	215	515	1,210	680	1,210	420	198	295	230
28	460	820	435	215	460	1,200	595	1,100	340	230	325	176
29	305	795	385	240	------	1,110	555	835	400	235	485	136
30	310	880	400	270	------	1,100	470	710	290	170	725	194
31	120	------	380	320	------	1,080	------	635	------	120	595	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	700	12	166	0.446	0.51
November	1,250	82	639	1.72	1.92
December	845	196	415	1.12	1.29
January	360	205	263	.707	.82
February	640	245	377	1.01	1.05
March	3,470	340	1,580	4.25	4.90
April	1,040	305	650	1.75	1.95
May	1,210	280	665	1.79	2.06
June	705	128	379	1.02	1.14
July	715	54	285	.766	.88
August	800	134	406	1.09	1.26
September	635	82	292	.785	.88
The year	3,470	12	511	1.37	18.66

SIP POND BROOK NEAR WINCHENDON, MASS.

LOCATION.—Water-stage recorder one-fourth mile below Massachusetts-New Hampshire State line, 1½ miles below outlet of Sip Pond, and 3 miles northwest of Winchendon, Worcester County.

DRAINAGE AREA.—18.8 square miles.

RECORDS AVAILABLE.—May, 1916, to September, 1927.

EXTREMES.—Maximum discharge during year, 190 second-feet March 21 (gage height, 8.20 feet); minimum, 3.6 second-feet October 10 (gage height, 5.16 feet).

1916–1927: Maximum discharge, 339 second-feet May 23, 1919 (gage height, 9.34 feet); minimum, 0.1 second-foot August 25, 1924.

REMARKS.—Records good. Flow regulated by storage in Pearly and Sip Ponds. Discharge estimated because of ice effect December 20–21, January 17–19, February 3, 5, and 21–23, and because of lost record July 31 to August 3.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.9	28	45	19	32	27	67	21	28	18	21	29
2	6.6	20	45	16	28	28	69	29	28	16	23	28
3	4.3	24	36	24	25	26	63	26	24	7.2	23	25
4	6.7	20	28	23	24	24	60	25	24	12	22	25
5	6.2	18	27	19	22	19	54	25	32	17	22	22
6	4.8	16	28	22	20	8.5	52	24	39	17	18	24
7	4.2	10	25	18	25	20	52	21	27	14	13	18
8	4.6	20	23	21	27	20	52	17	27	13	17	18
9	4.2	19	21	12	22	27	46	24	25	13	23	16
10	3.6	60	20	19	19	39	32	24	24	6.9	23	15
11	5.3	95	20	20	19	37	38	34	23	9.5	20	12
12	4.2	70	14	17	21	37	28	45	14	9.0	19	17
13	4.1	50	30	20	15	48	29	42	23	8.2	18	17
14	4.2	36	21	18	20	80	34	34	18	9.0	13	17
15	8.0	39	23	21	18	116	29	29	18	12	18	16
16	9.5	32	20	19	20	144	28	42	17	13	17	15
17	5.9	50	17	20	15	153	25	57	17	18	18	14
18	8.2	58	16	21	16	162	33	59	16	15	17	9.2
19	7.5	66	12	22	18	166	28	50	9	14	17	13
20	5.6	79	12	22	22	176	27	40	14	16	16	16
21	5.6	69	15	25	21	180	26	37	15	19	12	16
22	6.4	59	15	35	22	180	25	30	16	19	9.0	15
23	4.9	46	19	41	22	153	49	36	15	16	9.5	14
24	4.9	40	17	40	22	128	58	36	14	11	11	14
25	19	28	6.9	49	23	104	51	43	12	19	9.8	9.2
26	18	32	9.2	32	24	88	42	70	12	16	12	12
27	18	41	18	29	22	80	34	76	27	16	15	8.5
28	19	48	21	27	32	78	28	67	24	15	11	13
29	17	50	23	25	------	72	27	51	22	14	24	14
30	16	45	22	24	------	67	26	43	18	11	28	14
31	15	------	21	31	------	60	------	39	------	10	29	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	19	3.6	8.24	0.438	0.50
November	95	10	42.3	2.25	2.51
December	45	6.9	21.6	1.15	1.33
January	49	12	24.2	1.29	1.49
February	32	15	22.0	1.17	1.22
March	180	8.5	82.2	4.37	5.04
April	69	25	40.4	2.15	2.40
May	76	17	38.6	2.05	2.36
June	39	9	20.7	1.10	1.23
July	19	6.9	13.7	.729	.84
August	29	9.0	17.7	.942	1.09
September	29	8.5	16.5	.878	.98
The year	180	3.6	29.0	1.54	20.99

PRIEST BROOK NEAR WINCHENDON, MASS.

LOCATION.—Staff gage at highway bridge 3 miles above confluence with Millers River and 3½ miles west of Winchendon, Worcester County.

DRAINAGE AREA.—18.8 square miles.

RECORDS AVAILABLE.—May, 1916, to September, 1917, and July, 1918, to September, 1927.

EXTREMES.—Maximum discharge during year, 308 second-feet March 18 (gage height, 4.95 feet); minimum, 1.2 second-feet October 1 (gage height, 2.31 feet).

1916–1927: Maximum discharge, approximately 700 second-feet March 28, 1919; minimum, 0.4 second-foot several times during 1921, 1924, and 1925.

REMARKS.—Records good except those for ice-affected period, December 7 to March 16, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.4	15	52	18	22	15	64	27	26	10	44	41
2	5.1	15	53	17	22	14	62	14	23	11	49	41
3	11	16	56	14	20	14	59	14	20	12	46	34
4	3.8	15	44	11	19	16	52	14	14	12	37	27
5	4.6	12	33	15	17	21	49	20	22	8.2	25	15
6	6.3	11	25	19	14	15	45	25	39	8.2	18	15
7	14	8.8	24	15	11	12	52	24	47	11	14	13
8	4.9	8.5	22	12	9.4	14	46	24	30	7.6	11	7.9
9	4.6	11	21	11	15	17	47	19	13	6.0	26	5.5
10	10	62	20	11	17	20	36	22	11	5.1	27	4.0
11	4.6	135	20	12	17	24	36	49	17	4.6	22	7.6
12	4.6	120	20	15	14	32	26	56	16	5.3	18	10
13	13	94	12	20	9.4	40	25	47	15	6.5	19	13
14	6.5	48	24	22	8.8	51	21	36	19	12	14	18
15	5.5	36	30	22	8.8	76	17	37	11	9.1	12	15
16	4.6	19	11	20	9.7	120	24	51	10	11	11	11
17	6.5	13	9.4	18	15	244	17	76	9.7	37	9.1	6.0
18	13	47	8.2	16	18	294	17	87	8.5	16	8.8	5.5
19	11	58	7.9	15	17	281	19	71	9.7	14	13	6.0
20	9.1	120	7.6	28	15	188	18	59	10	13	8.2	14
21	9.4	76	7.1	39	13	209	18	52	10	18	7.1	8.8
22	8.8	51	7.4	42	11	198	24	36	13	21	6.8	7.9
23	8.2	51	15	39	10	152	43	21	6.5	7.1	7.1	7.4
24	9.4	46	17	29	10	127	55	34	6.0	11	11	6.8
25	30	54	14	22	12	87	53	46	4.6	11	8.2	8.5
26	39	51	10	18	15	76	43	71	22	11	6.5	10
27	17	55	10	16	18	76	36	87	22	12	7.1	9.1
28	17	55	11	14	17	64	37	76	15	6.5	15	5.3
29	12	54	13	14	-------	64	27	64	14	7.1	32	5.3
30	8.2	49	18	22	-------	52	29	52	20	11	51	5.3
31	11	-------	19	24	-------	58	-------	40	-------	18	40	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	39	2.4	10.2	0.543	0.63
November	135	8.5	46.9	2.49	2.78
December	56	7.1	20.7	1.10	1.27
January	42	11	19.7	1.05	1.21
February	22	8.8	14.5	.771	.80
March	294	12	86.2	4.59	5.29
April	64	17	36.6	1.95	2.18
May	87	14	43.6	2.32	2.68
June	47	4.6	16.8	.894	1.00
July	37	4.6	11.4	.606	.70
August	51	6.5	20.1	1.07	1.23
September	41	4.0	12.8	.681	.76
The year	294	2.4	28.4	1.51	20.53

EAST BRANCH OF TULLY RIVER NEAR ATHOL, MASS.

LOCATION.—Staff gage at highway bridge half a mile below mouth of Lawrence Brook and 3½ miles north of Athol, Worcester County.

DRAINAGE AREA.—50.2 square miles.

RECORDS AVAILABLE.—June, 1916, to September, 1927.

EXTREMES.—Maximum discharge during year, 635 second-feet March 17 (gage height, 3.62 feet); minimum, 3.5 second-feet October 4 and 5 (gage height, 0.30 foot).

1916–1927: Maximum discharge, 1,000 second-feet March 29, 1920 (gage height, 4.2 feet); minimum, 2.0 second-feet September 16, 1926 (gage height, 0.20 foot).

REMARKS.—Records good. Discharge estimated January 3 to March 10 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.9	48	134	73	66	56	161	56	83	30	84	60
2	3.9	52	121	68	64	53	155	52	72	26	101	58
3	3.9	48	93	55	61	52	153	51	63	22	89	53
4	3.5	42	87	52	59	49	132	47	55	23	64	44
5	3.7	33	71	48	56	45	119	53	64	18	45	36
6	5.1	29	62	46	55	42	113	65	86	14	33	24
7	9.0	23	60	45	52	41	118	60	89	13	22	19
8	8.8	20	62	45	50	48	116	52	75	15	21	15
9	7.8	24	62	39	48	70	105	46	59	15	59	13
10	6.6	81	61	38	46	94	97	46	46	13	73	11
11	6.4	247	61	37	45	114	89	95	62	12	60	11
12	6.0	202	60	36	42	128	83	118	51	13	47	30
13	5.5	153	56	36	40	163	81	103	39	18	52	24
14	6.2	113	56	37	39	267	77	98	32	30	46	21
15	6.2	88	53	49	40	420	71	90	27	35	36	17
16	6.2	76	52	58	40	590	70	98	25	59	27	16
17	7.3	118	49	62	40	635	69	186	22	114	21	14
18	15	169	45	60	40	590	64	221	20	94	18	12
19	19	188	40	56	41	568	62	186	19	63	29	13
20	17	234	38	58	44	545	60	157	22	41	29	21
21	18	197	38	71	44	500	57	132	20	30	22	20
22	23	157	39	92	44	500	65	108	17	23	20	16
23	20	124	38	102	48	522	105	92	16	22	20	15
24	12	101	36	102	47	380	130	102	14	26	25	20
25	64	86	35	103	56	250	116	118	8.2	26	22	24
26	96	78	36	89	57	211	92	177	41	20	18	22
27	78	104	35	79	60	194	86	207	59	16	15	20
28	62	150	38	76	58	182	79	188	48	15	34	19
29	43	139	56	73	-------	169	69	151	39	15	60	18
30	30	128	72	71	-------	159	62	121	34	20	79	16
31	31	-------	74	69	-------	157	-------	98	-------	26	71	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	96	3.5	20.3	0.404	0.47
November	247	20	108	2.15	2.40
December	134	35	58.7	1.17	1.35
January	103	36	62.1	1.24	1.43
February	66	39	49.4	.984	1.02
March	635	41	251	5.00	5.76
April	161	57	95.2	1.90	2.12
May	221	46	109	2.17	2.50
June	89	8.2	43.6	.869	.97
July	114	12	29.3	.584	.67
August	101	15	43.3	.863	.99
September	60	11	23.4	.466	.52
The year	635	3.5	74.8	1.49	20.20

MOSS BROOK AT WENDELL DEPOT, MASS.

LOCATION.—Staff gage one-fourth mile above confluence with Millers River and one-fourth mile north of Wendell Depot, Franklin County.

DRAINAGE AREA.—12.2 square miles.

RECORDS AVAILABLE.—June, 1916, to September, 1927.

EXTREMES.—Maximum discharge during year, 207 second-feet March 15 and 18 (gage height, 3.50 feet); minimum, 0.9 second-foot October 5 (gage height, 0.93 foot).

1916–1927: Maximum discharge, that of March 15, 18, 1927; minimum, 0.6 second-foot September 17 and 20, 1926 (gage height, 0.89 foot).

REMARKS.—Records good. Discharge estimated because of ice effect, December 2–12, 15, 17–19, 21–24, December 29 to January 5, January 23–30, February 2–10, 17, 18, 20–24, 28, March 1, 2, 5–6, 9–10.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	13	29	16	20	26	42	14	21	9.2	39	14
2	1.2	11	28	15	20	20	41	14	18	8.0	26	14
3	1.2	9.2	27	14	19	15	37	13	14	6.8	19	11
4	1.2	8.4	24	12	17	15	35	21	12	8.0	11	9.7
5	1.0	7.5	22	11	14	13	28	20	12	6.6	7.5	7.7
6	6.6	6.6	19	11	11	12	28	19	21	6.8	6.3	5.6
7	4.9	6.3	16	10	9.4	11	31	17	18	6.3	6.1	4.6
8	3.6	5.9	16	9.9	8.9	15	29	15	15	9.9	6.6	4.3
9	2.9	8.0	15	9.4	8.9	21	26	14	14	8.4	15	4.0
10	2.4	40	15	9.9	9.4	30	24	16	11	6.6	11	3.4
11	2.0	36	14	11	11	42	22	57	35	6.3	9.4	6.6
12	1.4	25	13	10	13	51	20	32	20	5.7	9.4	5.9
13	1.6	15	12	10	18	78	19	26	17	9.9	8.0	4.9
14	1.8	14	13	11	29	139	21	21	14	11	8.4	4.0
15	2.4	12	12	12	18	198	23	24	13	15	6.6	3.2
16	2.8	12	12	12	11	154	19	29	11	18	6.1	2.7
17	4.0	32	11	12	7.0	162	16	48	9.9	26	5.6	2.3
18	5.6	32	10	12	5.2	207	14	41	8.7	23	7.0	2.1
19	6.1	46	8.9	15	4.6	162	11	31	9.9	13	9.4	4.3
20	6.6	57	8.2	19	5.4	132	11	29	11	9.2	8.2	5.9
21	7.0	59	8.0	21	6.6	139	9.9	27	9.9	8.9	6.5	4.6
22	7.2	31	7.5	20	7.2	118	8.9	26	9.2	9.4	5.9	4.2
23	7.5	25	7.2	27	8.9	100	46	28	6.6	11	5.6	3.7
24	12	22	7.2	32	10	94	37	37	8.7	21	6.5	3.6
25	23	20	7.2	32	11	89	32	49	6.8	16	5.9	3.3
26	19	19	7.5	31	19	78	24	84	8.0	9.4	5.2	3.0
27	14	28	7.0	30	21	64	37	84	11	7.5	7.5	2.8
28	11	30	8.0	30	25	56	28	67	9.4	6.5	8.0	2.9
29	8.9	28	23	29	-------	53	15	54	10	6.3	13	2.7
30	6.8	30	18	28	-------	46	14	39	10	5.9	14	2.5
31	9.4	-------	16	24	-------	39	-------	23	-------	16	12	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	23	1.0	6.01	0.493	0.57
November	59	5.9	23.0	1.89	2.11
December	29	7.0	14.2	1.16	1.34
January	32	9.4	17.6	1.44	1.66
February	29	4.6	13.2	1.08	1.12
March	207	11	76.7	6.29	7.25
April	46	8.9	25.0	2.05	2.29
May	84	13	32.9	2.70	3.11
June	35	6.6	13.2	1.08	1.20
July	26	5.7	10.7	.877	1.01
August	39	5.2	10.2	.836	.96
September	14	2.1	5.12	.420	.47
The year	207	1.0	20.8	1.70	23.09

DEERFIELD RIVER AT CHARLEMONT, MASS.

LOCATION.—Water-stage recorder 1 mile below Charlemont, Franklin County.
DRAINAGE AREA.—362 square miles.
RECORDS AVAILABLE.—June, 1913, to September, 1927.
EXTREMES.—Maximum discharge during year, 5,470 second-feet March 18 (gage height, 5.89 feet); minimum, 80 second-feet October 1 (gage height, 1.56 feet).

1916–1927: Maximum discharge, 50,600 second-feet, revised, July 8, 1915 (gage height, 15.7 feet); practically no flow June 17, 1921 (gage height, 0.70 foot).

REMARKS.—Records good except those for very low stages and estimated periods, January 9–14, 16–19, April 23–27, June 10–16, which are fair. Flow regulated by storage reservoirs at Somerset and Whitingham, Vt.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	410	745	695	215	1,220	745	995	184	660	685	990	650
2	245	545	695	184	1,180	685	675	445	570	198	945	860
3	116	600	630	505	1,190	485	445	490	465	144	820	530
4	445	560	670	985	1,200	420	805	525	210	128	915	250
5	525	555	285	1,060	950	260	820	560	285	625	900	136
6	615	300	900	985	495	166	830	380	710	640	730	675
7	435	156	1,120	1,060	1,100	435	840	260	705	655	118	995
8	380	600	1,170	920	1,120	775	710	170	805	730	710	955
9	240	1,120	1,030	400	1,110	975	605	575	620	172	930	935
10	210	2,060	950	590	1,110	985	345	725	750	118	900	720
11	360	930	545	885	1,100	1,200	750	820	900	640	855	180
12	205	745	200	1,040	900	795	785	340	250	735	785	825
13	645	470	865	1,040	184	1,580	920	435	750	790	595	925
14	590	275	875	1,020	795	4,000	805	315	640	675	104	980
15	465	675	1,090	965	1,100	3,750	620	690	675	640	620	955
16	170	1,240	920	630	1,090	2,710	600	790	700	605	925	945
17	156	2,290	1,330	770	1,090	2,570	560	695	670	355	835	465
18	675	1,120	1,040	1,020	1,100	3,180	875	545	166	735	955	144
19	600	1,720	510	1,120	920	4,100	630	460	205	840	915	870
20	700	1,060	1,020	1,150	660	2,130	900	865	835	740	690	780
21	560	590	1,150	1,150	1,170	2,330	830	425	705	1,000	96	770
22	450	600	1,030	1,080	920	1,910	920	205	625	885	595	925
23	345	620	1,080	545	875	1,290	940	525	720	480	1,000	945
24	300	645	750	1,030	710	1,110	590	820	650	255	945	250
25	1,240	315	240	1,050	950	895	810	980	160	640	810	182
26	820	575	605	1,040	485	630	590	920	186	970	850	925
27	540	1,340	810	1,150	198	545	420	920	675	1,010	615	870
28	465	640	1,110	1,130	695	910	445	650	665	1,010	200	770
29	445	855	875	845	------	940	410	410	705	1,000	650	765
30	310	795	940	590	------	940	340	350	760	790	750	815
31	380	------	795	1,060	------	1,010	------	735	------	200	600	------

Month	Observed discharge in second-feet			Gain or loss in storage in Somerset and Davis Bridge Reservoirs (millions of cubic feet)	Discharge in second-feet, corrected for storage		Run-off in inches
	Maximum	Minimum	Mean		Mean	Per square mile	
October	1,240	116	453	+175	518	1.43	1.65
November	2,290	156	825	+1,463	1,390	3.84	4.28
December	1,330	200	840	−1,083	435	1.20	1.38
January	1,150	184	878	−1,185	436	1.20	1.38
February	1,220	184	915	−1,243	401	1.11	1.16
March	4,100	166	1,430	+2,333	2,300	6.35	7.32
April	995	340	694	+1,847	1,410	3.90	4.35
May	980	170	555	+1,075	956	2.64	3.04
June	900	160	581	−215	498	1.38	1.54
July	1,010	118	616	−715	349	.964	1.11
August	1,000	96	721	−1,014	342	.945	1.09
September	995	136	700	−1,020	306	.845	.94
The year	4,100	96	767	+418	780	2.15	29.24

WARE RIVER AT GIBBS CROSSING, MASS.

LOCATION.—Water-stage recorder at Gibbs Crossing, Hampshire County, three-quarters of a mile above mouth of Beaver Brook.

DRAINAGE AREA.—201 square miles.

RECORDS AVAILABLE.—August, 1912, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,690 second feet March 15 and 16 (gage height, 4.34 feet); minimum, 15 second-feet several short periods in October (gage height, 1.28 feet).

1912–1927: Maximum discharge, 2,950 second-feet April 8, 1924 (gage height, 6.25 feet); minimum, 5 second-feet October 26, 1914.

REMARKS.—Records good except those for ice-affected period, December 5 to February 5, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	172	295	355	400	325	445	245	320	126	475	410
2	29	180	295	320	395	300	390	305	275	76	535	425
3	17	128	250	385	390	270	375	290	225	52	490	475
4	36	110	126	345	390	250	395	215	138	59	380	470
5	50	90	88	205	375	186	365	225	190	162	300	420
6	74	49	70	172	340	180	365	210	345	130	230	360
7	62	26	66	210	395	305	400	160	300	95	112	300
8	54	79	71	170	325	465	275	162	200	150	295	245
9	18	152	82	142	290	820	275	290	184	120	745	162
10	18	615	70	255	275	810	285	240	170	110	820	170
11	25	715	58	580	270	780	320	265	220	192	590	210
12	28	480	70	585	215	845	275	330	225	158	410	460
13	74	320	120	580	198	950	245	295	295	180	300	370
14	68	210	122	565	290	1,410	235	198	225	200	235	325
15	62	260	120	425	275	1,560	210	225	176	152	295	265
16	23	260	132	370	215	1,580	138	400	188	355	265	230
17	22	240	140	565	255	1,490	184	640	132	935	215	176
18	42	335	160	650	265	1,340	275	585	83	580	190	250
19	74	385	180	650	255	1,200	210	470	43	385	245	158
20	60	580	200	580	180	1,100	178	390	170	285	250	300
21	73	465	198	515	305	1,140	192	300	176	210	192	325
22	80	405	186	480	270	1,340	230	240	166	172	255	265
23	46	355	150	445	285	1,140	485	330	116	120	270	235
24	25	260	84	405	370	970	555	385	96	155	335	188
25	260	134	30	385	420	815	485	445	73	250	585	152
26	385	260	132	355	435	665	405	615	38	225	475	255
27	270	245	395	325	365	615	385	720	140	164	395	230
28	170	285	400	310	405	615	400	635	146	148	400	156
29	114	295	390	300	-------	525	350	490	136	106	480	142
20	70	275	430	330	-------	465	255	400	97	90	525	136
31	38	-------	545	330	-------	460	-------	395	-------	125	460	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	385	17	78.0	0.388	0.45
November	715	26	279	1.39	1.55
December	545	30	182	.905	1.04
January	650	142	396	1.97	2.27
February	435	180	316	1.57	1.64
March	1,580	180	804	4.00	4.61
April	555	138	319	1.59	1.77
May	720	160	358	1.78	2.05
June	345	38	176	.876	.98
July	935	52	202	1.00	1.15
August	820	112	379	1.89	2.18
September	475	136	276	1.37	1.53
The year	1,580	17	314	1.56	21.22

SWIFT RIVER AT WEST WARE, MASS.

LOCATION.—Water-stage recorder 1,000 feet below West Ware railroad station, Hampshire County, and 3 miles below confluence of East and West Branches of Swift River.

DRAINAGE AREA.—186 square miles.

RECORDS AVAILABLE.—July, 1910, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,350 second-feet March 17 (gage height, 6.62 feet); minimum, 58 second-feet October 4 and 5 (gage height, 1.96 feet).

1910–1927: Maximum discharge, 2,390 second-feet April 7, 1923 (gage height, 9.08 feet); minimum, 22 second-feet September 22, 1914.

REMARKS.—Records good except for ice period, December 4 to February 22, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	63	138	380	278	445	300	456	256	306	157	265	277
2	64	132	368	275	406	266	426	228	267	146	332	270
3	62	134	315	270	380	249	312	228	242	136	344	263
4	59	132	285	266	342	266	384	220	215	128	304	235
5	64	122	268	261	325	239	370	217	233	118	248	211
6	63	117	249	251	302	214	370	220	253	116	231	187
7	73	111	228	228	285	212	370	215	260	118	193	170
8	78	106	210	232	275	315	370	200	242	136	202	159
9	77	113	199	219	263	471	344	189	220	138	332	148
10	77	378	189	187	254	510	319	200	189	124	426	138
11	74	524	189	191	237	538	299	267	275	124	397	161
12	67	524	219	193	228	582	292	316	270	116	370	202
13	64	432	214	195	225	655	284	314	235	118	357	193
14	66	330	202	204	223	876	270	289	215	120	267	184
15	67	256	185	239	225	1,110	256	265	198	140	235	178
16	64	232	168	280	219	1,310	246	270	180	319	195	163
17	67	310	152	305	210	1,310	233	426	159	546	187	157
18	74	355	146	330	210	1,170	222	531	159	516	165	146
19	76	445	146	355	210	1,070	224	546	163	456	213	151
20	74	524	148	380	217	1,010	224	471	163	344	209	244
21	89	484	150	430	230	975	213	397	163	265	189	253
22	97	432	150	484	230	1,040	226	319	155	211	170	258
23	90	378	152	510	249	1,070	344	292	155	187	167	242
24	94	310	158	524	280	950	426	357	155	202	319	213
25	189	270	168	510	295	822	312	397	136	187	290	184
26	263	239	164	458	328	696	397	516	138	167	267	161
27	230	325	172	458	342	636	370	591	159	159	260	153
28	212	380	189	458	308	576	344	561	151	148	319	142
29	189	355	221	342	------	546	319	486	151	140	344	136
30	162	355	258	393	------	501	292	312	161	138	319	132
31	142	------	280	432	------	486	------	344	------	163	299	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	263	59	101	0.543	0.63
November	524	106	298	1.60	1.78
December	380	146	210	1.13	1.30
January	524	187	327	1.76	2.03
February	445	210	277	1.49	1.55
March	1,310	212	676	3.63	4.18
April	456	213	317	1.70	1.90
May	591	189	337	1.81	2.09
June	306	136	199	1.07	1.19
July	546	116	196	1.05	1.21
August	426	165	271	1.46	1.68
September	277	132	190	1.02	1.14
The year	1,310	59	284	1.53	20.68

QUABOAG RIVER AT WEST BRIMFIELD, MASS.

LOCATION.—Water-stage recorder at highway bridge near West Brimfield, Hampden County, one-third mile above mouth of Blodgett Mill Brook.

DRAINAGE AREA.—150 square miles.

RECORDS AVAILABLE.—August, 1909, to September, 1927.

EXTREMES.—Maximum discharge during year, 890 second-feet March 22 (gage height, 4.37 feet); minimum, 5 second-feet July 6 (gage height, 1.60 feet). 1909–1927: Maximum discharge, 1,980 second-feet March 17, 1920 (gage height, 5.3 feet); minimum, 2.5 second-feet September 17 and 18, 1910 (gage height, 1.40 feet).

REMARKS.—Records good except for period of ice effect, December 4 to February 7, for which they are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	100	170	142	240	270	375	220	225	69	168	335
2	31	100	134	144	315	260	350	210	205	48	180	365
3	14	89	120	136	310	225	325	198	194	52	150	400
4	26	90	107	132	330	196	295	196	180	50	148	370
5	51	84	96	152	370	245	290	192	184	70	138	354
6	50	72	89	142	480	235	265	184	172	48	146	330
7	51	82	93	194	440	235	285	186	168	70	132	300
8	46	88	110	120	375	360	285	174	148	87	280	280
9	35	96	127	124	315	420	285	172	144	58	515	260
10	30	215	137	130	295	475	255	178	144	48	375	245
11	48	150	135	130	275	485	235	194	205	76	335	260
12	34	134	144	136	255	522	230	196	154	64	320	270
13	35	122	153	156	270	560	215	184	138	100	310	265
14	34	130	151	158	230	645	205	178	132	108	285	240
15	33	144	133	172	215	665	196	184	124	98	275	235
16	34	124	116	160	240	685	188	230	120	174	250	210
17	15	156	100	174	245	690	190	280	102	178	230	205
18	66	134	93	168	230	685	182	255	76	140	230	198
19	42	190	86	170	230	670	168	240	82	120	260	200
20	36	186	86	200	152	645	162	215	88	100	230	220
21	61	168	96	250	245	705	166	198	80	104	220	200
22	42	174	110	270	225	725	200	182	78	102	210	192
23	38	164	98	255	210	705	280	192	73	98	205	178
24	31	150	112	250	260	675	270	280	100	144	370	166
25	130	134	110	245	290	620	265	295	72	124	335	166
26	96	150	114	210	320	570	255	345	68	104	320	168
27	85	172	116	184	290	540	250	360	90	110	335	158
28	83	156	120	230	295	505	245	330	84	116	365	154
29	84	166	148	280	-------	455	225	310	67	108	355	142
30	70	156	146	295	-------	445	230	285	75	91	330	142
31	93	-------	144	300	-------	400	-------	260	-------	122	325	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	130	14	50.2	0.335	0.39
November	215	72	136	.906	1.01
December	170	86	119	.793	.91
January	300	120	185	1.23	1.42
February	480	152	284	1.89	1.97
March	725	196	501	3.34	3.85
April	375	162	246	1.64	1.83
May	360	172	229	1.53	1.76
June	225	67	126	.840	.94
July	178	48	96.1	.641	.74
August	515	132	269	1.79	2.06
September	400	142	240	1.60	1.78
The year	725	14	206	1.37	18.66

WESTFIELD RIVER AT KNIGHTVILLE, MASS.

LOCATION.—Chain gage at Pitcher Bridge, Knightville, Hampshire County, 3 miles above mouth of Middle Branch of Westfield River.

DRAINAGE AREA.—162 square miles.

RECORDS AVAILABLE.—August, 1909, to September, 1927.

EXTREMES.—Maximum discharge during year, 4,220 second-feet March 14 (gage height, 6.48 feet); minimum, 17 second-feet October 1 (gage height, 0.91 foot).

1909–1927: Maximum discharge, 10,500 second-feet April 17, 1924 (gage height, 10.8 feet); minimum, 4 second-feet August 10, 1913 (gage height, 0.60 foot).

REMARKS.—Records good except those for period affected by ice, December 4 to March 12, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	422	426	278	386	224	562	184	203	100	455	255
2	25	215	286	252	336	197	512	178	181	83	354	631
3	38	215	192	203	282	186	455	170	163	67	221	234
4	34	160	146	189	262	184	404	165	156	74	120	170
5	23	139	131	168	274	175	376	203	266	65	95	128
6	22	122	122	151	266	165	465	192	328	52	77	100
7	165	116	118	128	258	151	546	160	194	60	65	88
8	80	108	120	126	255	390	496	146	165	68	86	80
9	58	124	124	120	238	649	426	142	142	60	278	74
10	50	1,540	135	137	203	551	372	175	128	60	160	67
11	42	780	146	126	192	551	336	728	945	65	104	144
12	38	328	163	100	181	578	319	496	386	56	86	209
13	34	252	178	104	175	1,360	332	286	209	86	71	122
14	56	215	194	124	175	3,700	306	203	160	122	60	100
15	60	192	270	170	189	2,760	282	399	144	215	65	90
16	51	315	252	258	165	2,080	270	399	133	175	60	82
17	60	1,540	234	274	165	1,980	278	372	120	137	53	76
18	102	643	215	274	215	1,880	278	294	102	112	47	67
19	93	1,280	212	244	262	1,540	274	252	110	88	55	78
20	97	780	255	294	224	1,320	255	227	302	72	90	170
21	83	518	274	590	206	2,410	230	192	194	97	74	112
22	93	363	224	697	215	1,630	465	170	137	71	67	83
23	148	311	160	667	248	1,050	786	209	112	128	74	72
24	165	290	137	490	266	845	430	1,010	99	294	144	65
25	1,050	270	120	422	315	760	363	945	86	146	83	57
26	445	252	139	336	372	709	345	910	160	97	60	45
27	290	980	128	221	302	667	319	819	146	77	70	36
28	165	475	122	252	234	562	278	496	95	65	181	45
29	124	315	286	294	------	551	234	358	104	57	354	47
30	102	363	332	485	------	518	197	278	128	83	290	42
31	137	------	302	540	------	595	------	227	------	241	197	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,050	18	127	0.784	0.90
November	1,540	108	454	2.80	3.12
December	426	118	198	1.22	1.41
January	697	100	281	1.73	1.99
February	386	165	245	1.51	1.57
March	3,700	151	997	6.15	7.09
April	786	197	373	2.30	2.57
May	1,010	142	354	2.18	2.52
June	945	86	193	1.19	1.33
July	294	52	102	.630	.73
August	455	47	135	.833	.95
September	631	36	119	.735	.82
The year	3,700	18	299	1.84	25.00

WESTFIELD RIVER NEAR WESTFIELD, MASS.

LOCATION.—Water-stage recorder 1 mile below mouth of Big Brook and 3 miles east of Westfield, Hampden County.

DRAINAGE AREA.—496 square miles.

RECORDS AVAILABLE.—June, 1914, to September, 1927.

EXTREMES.—Maximum discharge during year, 9,060 second-feet March 14 (gage height, 11.77 feet); minimum, 183 second-feet October 1 (gage height, 3.45 feet).

1914–1927: Maximum discharge, 32,500 second-feet April 7, 1924 (gage height, 22.13 feet); minimum, 9 second-feet October 2, 1921 (gage height, 2.78 feet).

REMARKS.—Records good except those for periods recorder was not operating, December 3–9, December 28 to January 8, February 19–27, and August 17–20, or of ice effect, January 9–18, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	243	694	1,500	610	1,170	699	1,340	560	770	396	1,620	928
2	275	710	1,030	530	995	633	1,240	595	716	355	1,620	2,700
3	267	611	820	470	895	611	1,170	580	611	295	995	1,700
4	259	565	660	420	928	570	1,100	565	535	267	672	1,030
5	267	515	570	400	862	611	1,030	590	666	347	480	764
6	347	435	570	400	704	535	1,140	616	830	307	505	644
7	540	391	586	400	716	650	1,500	570	655	283	450	540
8	485	455	660	400	660	1,060	1,240	435	575	430	570	490
9	323	445	650	405	650	1,900	1,030	525	485	331	2,360	445
10	327	3,700	638	425	644	1,500	928	490	405	323	1,280	435
11	315	1,900	644	380	611	1,460	895	1,280	1,860	303	800	396
12	267	1,140	600	330	555	1,780	800	1,100	1,140	303	606	710
13	307	830	628	345	500	2,600	800	770	770	307	540	575
14	386	710	616	345	595	6,070	770	666	611	311	435	490
15	307	710	633	410	540	6,650	716	660	520	378	575	435
16	315	770	600	460	550	5,420	688	1,030	485	382	622	396
17	400	4,540	545	510	550	4,540	666	1,200	440	616	600	405
18	445	1,950	490	470	638	4,660	722	960	425	560	590	331
19	460	2,800	500	500	730	5,030	672	830	400	435	525	405
20	347	2,220	455	570	810	3,700	660	722	830	386	460	688
21	415	1,420	510	1,100	705	4,180	638	660	672	378	435	515
22	396	1,200	530	1,620	690	4,540	862	550	515	323	480	415
23	373	1,030	490	1,950	730	2,800	1,620	650	440	396	465	323
24	445	928	405	1,420	790	2,220	1,170	2,260	420	1,060	622	315
25	1,380	800	410	1,170	900	1,860	928	2,600	420	716	580	339
26	1,310	800	450	960	1,050	1,660	830	2,310	540	515	450	267
27	758	1,660	505	740	1,070	1,540	830	2,310	682	430	510	295
28	590	1,380	530	710	830	1,500	830	1,740	530	405	770	295
29	515	1,060	570	895	-------	1,380	710	1,200	420	382	1,580	295
30	360	1,060	660	1,280	-------	1,310	928	995	391	405	1,820	271
31	415	-------	710	1,460	-------	1,340	-------	862	-------	465	1,100	------

Month	Observed discharge in second-feet			Diversion from Westfield Little River (millions of gallons)	Discharge, in second-feet, corrected for diversions		Run-off in inches
	Maximum	Minimum	Mean		Mean	Per square mile	
October	1,380	243	446	484.34	470	0.947	1.09
November	4,540	331	1,250	430.71	1,270	2.56	2.86
December	1,500	405	618	452.93	641	1.29	1.49
January	1,950	330	712	452.46	735	1.48	1.71
February	1,170	500	752	383.36	774	1.56	1.62
March	6,650	535	2,420	419.28	2,440	4.92	5.67
April	1,500	638	948	413.54	969	1.95	2.18
May	2,600	435	996	436.83	1,020	2.06	2.38
June	1,860	391	625	446.10	648	1.31	1.46
July	1,060	267	413	466.70	436	.879	1.01
August	2,360	435	810	445.41	832	1.68	1.94
September	2,700	267	595	446.26	618	1.25	1.40
The year	6,650	243	883	5,277.92	905	1.82	24.81

MIDDLE BRANCH OF WESTFIELD RIVER AT GOSS HEIGHTS, MASS.

LOCATION.—Water-stage recorder at highway bridge in Goss Heights, Hampshire County, and half a mile above confluence with Westfield River.

DRAINAGE AREA.—53 square miles.

RECORDS AVAILABLE.—July, 1910, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,540 second-feet March 14 (gage height, 4.25 feet); minimum, 6.8 second-feet October 1–4 (gage height, 0.74 foot).

1910–1927: Maximum discharge, 4,500 second-feet July 8, 1915 (gage height, 7.33 feet); practically no flow October 26 and 27, 1914.

REMARKS.—Records good except those for periods affected by ice, December 3 to March 13, which are fair. Discharge estimated November 6–10 and 13–17.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.8	72	143	41	57	44	133	57	50	30	181	131
2	7.5	54	108	38	54	38	123	55	57	27	130	311
3	7.5	47	88	38	46	38	110	53	48	23	66	150
4	6.8	40	64	38	38	35	103	48	46	23	43	92
5	8.2	34	55	38	36	40	101	53	70	22	32	64
6	20	27	50	38	35	48	112	50	74	19	28	51
7	42	22	57	35	35	63	154	44	50	21	23	43
8	22	20	64	32	34	160	119	44	43	21	57	38
9	14	26	63	32	34	219	103	43	34	21	105	34
10	13	600	50	34	22	165	92	48	57	19	46	30
11	12	174	42	38	32	133	82	172	189	21	36	65
12	10	99	41	36	31	113	78	116	72	21	30	80
13	9.6	72	35	36	30	106	80	80	50	21	24	53
14	13	61	32	38	32	1,000	72	70	42	22	23	40
15	15	52	28	44	34	970	66	82	40	26	23	38
16	13	68	22	50	34	740	66	92	37	55	23	38
17	18	800	20	50	36	640	70	126	32	123	22	32
18	38	213	14	52	40	690	68	92	30	53	37	28
19	26	461	13	54	54	690	64	80	36	31	66	27
20	20	251	20	61	50	477	62	72	74	22	38	51
21	28	160	25	108	47	644	60	64	51	17	28	37
22	25	133	28	133	48	472	135	57	37	16	26	30
23	34	106	25	138	50	283	166	73	34	69	40	26
24	40	90	25	102	57	223	110	320	32	94	50	24
25	241	86	27	90	68	181	88	270	28	44	34	23
26	106	75	28	66	72	169	80	217	48	28	27	23
27	54	130	25	54	57	157	80	297	46	23	37	23
28	35	126	34	55	47	150	70	181	31	19	99	23
29	28	111	59	66	------	142	62	128	32	17	157	24
30	22	136	55	86	------	133	59	88	32	68	169	23
31	35	------	46	95	------	138	------	76	------	200	97	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	241	6.8	31.3	0.591	0.68
November	------	------	145	2.74	3.06
December	143	13	44.7	.843	.97
January	138	32	58.6	1.11	1.28
February	72	30	43.6	.823	.86
March	1,000	35	294	5.55	6.40
April	166	59	92.3	1.74	1.94
May	320	43	105	1.98	2.28
June	189	28	50.1	.945	1.05
July	200	16	39.2	.740	.85
August	181	22	58.0	1.09	1.26
September	311	23	55.4	1.05	1.17
The year	1,000	6.8	85.0	1.60	21.80

FARMINGTON RIVER NEAR NEW BOSTON, MASS.

LOCATION.—Water-stage recorder at highway bridge a quarter of a mile below Clam River and 1 mile south of New Boston, Berkshire County.

DRAINAGE AREA.—92.7 square miles.

RECORDS AVAILABLE.—May, 1913, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,820 second-feet August 8 (gage height, 6.44 feet); minimum, 33 second-feet October 2, 3, 16, and 17 (gage height, 2.76 feet).

1913–1927: Maximum disharge, 3,960 second-feet revised, April 7, 1924 (gage height, 7.84 feet); minimum, 4.4 second-feet August 27, 1913 (gage height, 2.22 feet).

REMARKS.—Records fair. Flow affected by storage in Otis Reservoir, capacity 880 million cubic feet. Discharge estimated because of ice effect December 4 to March 6.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	98	122	238	162	238	173	224	107	197	88	269	269
2	34	118	167	141	210	162	210	107	162	76	302	500
3	34	118	122	122	185	162	210	114	151	73	185	395
4	44	105	99	110	173	173	185	108	141	88	122	302
5	141	93	78	107	162	162	173	122	162	75	99	210
6	173	85	67	104	151	173	197	122	151	59	93	162
7	162	76	71	96	141	197	269	114	122	58	76	210
8	54	75	80	98	122	337	224	104	108	61	537	269
9	42	112	88	100	112	395	185	104	102	53	836	238
10	60	600	90	104	102	337	185	110	112	54	415	224
11	151	395	82	106	93	337	162	375	500	53	285	285
12	141	253	67	112	94	395	141	253	269	48	185	185
13	141	197	55	118	94	550	141	185	185	46	162	105
14	60	162	53	122	96	1,060	131	151	141	44	141	102
15	40	141	53	269	105	1,140	131	173	141	45	173	91
16	36	269	52	285	84	1,060	122	224	118	47	131	77
17	55	805	52	253	78	945	131	285	104	46	107	64
18	185	455	53	238	112	980	141	224	90	52	151	86
19	141	600	55	210	141	1,060	131	185	93	54	210	120
20	102	415	59	285	375	805	107	173	116	63	151	185
21	76	302	64	356	477	875	110	141	105	102	122	122
22	72	238	104	455	455	875	210	141	85	87	108	106
23	67	197	94	455	395	625	238	253	86	148	151	102
24	64	173	94	375	337	575	197	980	104	210	210	90
25	238	151	94	337	210	500	162	840	80	116	151	88
26	224	141	94	238	197	455	141	550	238	85	120	84
27	162	319	98	210	185	415	151	550	173	61	151	81
28	122	224	141	185	173	415	151	395	120	55	238	86
29	102	185	197	253	------	356	131	337	104	54	455	100
30	88	238	197	269	------	253	118	269	98	53	375	99
31	81	------	185	285	------	238	------	210	------	131	269	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	238	34	103	1.11	1.28
November	805	75	245	2.64	2.94
December	238	52	98.2	1.06	1.22
January	455	96	212	2.29	2.64
February	477	78	189	2.04	2.12
March	1,140	162	522	5.63	6.49
April	269	107	167	1.80	2.01
May	980	104	258	2.78	3.20
June	500	80	145	1.56	1.74
July	210	44	73.7	.795	.92
August	836	76	225	2.43	2.80
September	500	64	168	1.81	2.02
The year	1,140	34	201	2.17	29.38

HOUSATONIC RIVER BASIN

HOUSATONIC RIVER NEAR GREAT BARRINGTON, MASS.

LOCATION.—Staff gage at highway at Van Deusenville, just above Williams River, and 2 miles north of Great Barrington, Berkshire County.

DRAINAGE AREA.—280 square miles.

RECORDS AVAILABLE.—May, 1913, to September, 1927.

EXTREMES.—Maximum discharge during year, 3,900 second-feet March 20 (gage height, 6.75 feet); minimum, 45 second-feet June 5 (gage height, 1.00 foot).

1913–1927: Maximum discharge, 5,300 second-feet March 31, 1916 (gage height, 8.0 feet); no flow recorded at times.

REMARKS.—Records fair. Flow regulated by storage above dam of paper mill 1 mile above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	152	750	690	199	810	548	810	300	602	390	365	390
2	110	870	690	92	750	440	750	187	492	320	342	492
3	105	870	575	492	660	415	390	248	575	300	230	548
4	162	870	520	465	720	365	720	415	365	320	181	365
5	172	810	390	440	720	365	520	492	47	256	212	300
6	205	548	440	415	465	342	575	440	84	248	135	252
7	252	720	440	365	548	365	720	342	150	300	152	272
8	222	810	440	280	492	602	750	276	145	216	208	240
9	158	1,120	520	236	520	810	660	260	342	175	256	233
10	320	1,540	492	276	390	930	602	320	465	199	300	199
11	342	1,540	492	300	390	930	520	390	465	212	365	150
12	222	1,540	320	272	415	1,060	520	465	465	240	233	155
13	236	1,330	390	260	260	1,190	690	465	440	219	145	248
14	240	720	390	320	300	2,400	575	415	520	222	178	342
15	193	690	465	300	365	2,670	465	520	575	193	252	342
16	175	750	492	300	365	2,760	365	226	660	175	226	300
17	240	1,060	300	440	365	2,840	320	602	575	145	276	193
18	320	1,060	272	390	390	3,190	236	465	492	118	256	193
19	256	1,330	248	162	492	3,450	165	492	602	184	300	181
20	219	1,190	342	415	415	3,810	440	365	465	320	236	300
21	300	810	390	520	233	3,280	390	365	365	300	128	320
22	390	810	390	630	415	3,360	415	390	320	148	165	342
23	365	750	365	660	440	2,840	365	440	276	148	170	248
24	440	720	320	810	440	2,400	390	810	256	148	260	236
25	365	630	260	750	492	1,760	630	1,120	187	165	320	181
26	390	660	272	630	575	1,400	520	1,260	135	140	240	160
27	750	660	465	520	465	995	415	1,470	115	193	300	175
28	575	720	415	390	630	1,120	492	1,260	199	199	390	199
29	320	660	415	300	-------	930	390	870	300	112	233	222
30	272	690	365	320	-------	870	342	750	272	94	365	140
31	520	-------	365	440	-------	870	-------	660	-------	140	415	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	750	105	290	1.04	1.20
November	1,540	548	908	3.24	3.62
December	690	248	417	1.49	1.72
January	810	92	400	1.43	1.65
February	810	233	483	1.72	1.79
March	3,810	342	1,590	5.68	6.55
April	810	165	505	1.80	2.01
May	1,470	187	551	1.97	2.27
June	660	47	365	1.30	1.45
July	390	94	211	.754	.87
August	415	128	253	.904	1.04
September	548	140	264	.943	1.05
The year	3,810	47	520	1.86	25.22

HOUSATONIC RIVER AT FALLS VILLAGE, CONN.

LOCATION.—Water-stage recorder at Falls Village, Litchfield County, half a mile below power plant of Connecticut Power Co.

DRAINAGE AREA.—644 square miles.

RECORDS AVAILABLE.—July, 1912, to September, 1927.

EXTREMES.—Maximum discharge during year, 5,500 second-feet March 17 (gage height, 9.74 feet); minimum, 31 second-feet October 16 (gage height, 0.68 foot).

1912–1927: Maximum discharge, 8,830 second-feet March 29, 1914 (gage height, 13.3 feet); no flow at times.

REMARKS.—Records fair. Low-water flow is completely regulated by power plant at Falls Village. Discharge estimated because of ice effect December 5 to January 31 and because of missing gage-height record December 9–16.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	260	1,200	1,600	850	2,000	1,120	1,660	535	1,410	620	840	2,040
2	215	1,250	1,390	600	2,060	1,050	1,510	670	1,290	450	1,200	2,040
3	168	1,230	995	645	1,760	955	1,310	520	1,060	50	880	1,860
4	380	1,160	885	760	1,780	980	1,290	645	1,040	184	705	1,450
5	275	1,010	810	810	1,580	910	1,150	650	825	280	520	1,020
6	390	975	735	760	1,410	760	1,280	655	860	260	465	930
7	620	685	810	705	1,210	685	1,430	640	760	335	260	865
8	670	760	920	645	1,100	1,440	1,430	535	880	385	480	835
9	690	925	1,020	475	1,090	2,230	1,310	370	770	320	1,550	780
10	440	2,250	1,070	495	995	2,300	1,060	495	655	295	1,520	575
11	340	2,720	970	475	910	2,230	960	1,080	990	330	1,200	475
12	415	2,430	780	500	865	2,300	960	1,110	765	280	620	755
13	245	1,920	735	540	770	2,720	995	910	710	370	740	790
14	365	1,550	825	580	850	3,870	885	925	745	340	820	735
15	440	1,240	970	670	760	4,750	815	670	695	310	820	620
16	370	1,220	870	810	775	5,340	835	780	530	265	795	645
17	198	2,370	755	780	795	5,500	710	850	570	215	605	550
18	535	2,570	735	825	905	5,340	765	905	540	295	585	285
19	430	2,640	555	780	1,140	5,160	695	865	305	355	840	535
20	535	2,870	620	850	1,030	5,000	740	810	480	440	750	680
21	655	2,690	690	1,250	930	4,910	765	705	420	395	475	675
22	500	2,170	760	1,740	845	5,000	915	545	465	280	370	560
23	580	1,840	760	1,800	975	4,830	1,190	780	415	495	625	390
24	390	1,790	690	1,920	1,040	4,270	1,120	1,780	455	445	800	380
25	1,000	1,380	495	1,980	1,190	3,550	780	3,020	410	365	570	365
26	1,620	1,280	515	1,740	1,310	2,870	905	2,800	475	400	565	365
27	1,680	1,640	555	1,400	1,210	2,360	1,000	2,940	645	415	750	465
28	1,530	1,400	690	1,310	1,070	2,100	910	2,870	510	510	960	370
29	1,150	1,340	945	1,340	-------	1,980	780	2,450	510	390	1,930	375
30	995	1,440	970	1,450	-------	1,920	865	1,870	520	405	3,020	300
31	875	-------	1,020	1,680	-------	1,800	-------	1,760	-------	490	2,430	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,680	168	611	0.949	1.09
November	2,870	685	1,660	2.58	2.88
December	1,600	495	843	1.31	1.51
January	1,980	475	1,010	1.57	1.81
February	2,060	760	1,160	1.80	1.87
March	5,500	685	2,910	4.52	5.21
April	1,660	695	1,030	1.60	1.78
May	3,020	370	1,170	1.81	2.09
June	1,410	305	690	1.07	1.19
July	620	50	354	.550	.63
August	3,020	260	925	1.44	1.66
September	2,040	285	757	1.18	1.32
The year	5,500	50	1,090	1.70	23.04

HUDSON RIVER BASIN

HUDSON RIVER NEAR NEWCOMB, N. Y.

LOCATION.—Staff gage at highway bridge, half a mile downstream from outlet of Harris Lake and 2 miles east of Newcomb, Essex County.

DRAINAGE AREA.—192 square miles.

RECORDS AVAILABLE.—September, 1925, to September, 1927.

EXTREMES.—Maximum discharge during year, 2,710 second-feet November 18 (gage height, 5.6 feet); minimum, 51 second-feet September 30 (gage height, 5.6 feet); minimum, 51 second-feet September 30 (gage height, 1.50 feet).

1925–1927: Maximum discharge, 4,660 second-feet April 26, 1926 (gage height, 7.1 feet); minimum, that of September 30, 1927.

REMARKS.—Records good except those for periods March 7 to April 20 and April 24 to May 31, which are fair. Slight regulation by small storage reservoirs on headwaters.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	184	650	442	123	112	109	360	480	514	126	169	288
2	204	650	398	123	112	107	340	480	466	107	152	252
3	238	650	357	118	112	100	340	460	420	100	136	267
4	252	540	303	118	112	100	340	460	378	110	121	288
5	238	540	274	118	112	98	340	500	378	120	107	252
6	288	466	252	118	112	96	340	650	442	120	100	210
7	595	398	245	114	112	100	380	700	420	126	89	178
8	650	357	245	112	112	110	420	700	378	136	89	155
9	595	357	245	107	112	110	420	650	338	158	96	131
10	540	442	242	100	109	110	420	650	300	158	105	114
11	398	980	231	96	105	110	420	900	300	136	98	109
12	357	840	224	92	96	120	420	1,200	338	131	89	144
13	303	710	210	90	96	140	440	1,100	318	121	81	144
14	281	540	200	90	90	170	460	950	285	112	81	133
15	252	466	191	90	90	220	460	900	249	112	109	133
16	228	540	188	90	90	340	480	1,000	214	116	166	169
17	228	1,790	172	90	98	500	700	1,200	188	155	161	172
18	217	2,490	161	90	100	700	950	1,200	181	214	141	149
19	197	1,880	149	90	100	1,100	1,400	1,500	158	234	121	136
20	194	1,520	149	96	100	1,500	1,800	1,600	158	220	105	123
21	194	1,280	149	105	100	1,600	2,280	1,400	158	178	98	109
22	194	840	149	114	100	1,300	2,280	1,300	155	152	118	96
23	194	680	149	123	100	1,000	2,080	1,300	141	149	155	89
24	217	595	141	123	100	800	1,800	1,200	131	285	139	89
25	357	489	141	123	100	700	1,300	1,200	128	466	118	76
26	775	442	136	123	105	600	1,000	1,100	175	442	100	71
27	910	420	133	114	112	500	800	1,100	184	378	90	62
28	840	398	131	105	112	440	700	1,000	194	300	92	59
29	680	442	123	100	------	420	600	900	164	238	155	57
30	568	466	123	109	------	400	550	700	136	191	303	52
31	568	------	123	112	------	360	------	550	------	172	318	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	910	184	385	2.01	2.32
November	2,490	357	762	3.97	4.43
December	442	123	206	1.07	1.23
January	123	90	107	.557	.64
February	112	90	104	.542	.56
March	1,600	96	454	2.36	2.72
April	2,280	340	821	4.28	4.78
May	1,600	460	936	4.88	5.63
June	514	128	266	1.39	1.55
July	466	100	186	.969	1.12
August	318	81	129	.672	.77
September	288	52	144	.750	.84
The year	2,490	52	376	1.96	26.59

HUDSON RIVER AT GOOLEY, NEAR INDIAN LAKE, N. Y.

LOCATION.—Water-stage recorder half a mile above Gooley, Essex County, 1 mile above mouth of Indian River, and 5 miles northeast of Indian Lake village, Hamilton County.

DRAINAGE AREA.—418 square miles.

RECORDS AVAILABLE.—August, 1916, to September, 1927.

EXTREMES.—Maximum discharge during year, 6,530 second-feet November 18 (gage height, 6.9 feet); minimum, 95 second-feet September 30 (gage height, 1.58 feet).

1916–1927: Maximum discharge, 13,900 second-feet April 12, 1922 (gage height, 10.0 feet); minimum, 44 second-feet August 22 and 23, 1923 (gage height, 1.38 feet).

REMARKS.—Records fair. Flow slightly regulated by storage. Discharge estimated because of ice or missing gage-height record December 3, March 18, April 16 to May 11, June 4, and June 8 to August 8.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	360	1,200	1,100		260	300	793		996			550
2	380	1,200	929		260	280	755		857			500
3	800	1,200	850		260	260	778		740			550
4	800	1,100	750		240	260	785		635		280	550
5	750	1,400	700		240	260	801		1,610			480
6	1,100	900	650		240	240	817	1,000	1,420			420
7	1,100	800	600		240	240	979		1,250			340
8	1,100	800			240	240	929		2,600		280	300
9	950	850			240	260	905				260	260
10	800	1,500		220	240	260	905				300	240
11	700	1,600			240	260	873				240	700
12	600	1,700			240	260	897	1,640			190	900
13	500	1,500			240	280	897	1,870			170	480
14	480	1,200			220	380	889	1,350			160	240
15	500	1,000			220	700	889	1,300			180	200
16	550	1,300			240	850		2,350		360	220	220
17	950	5,030			240	1,100		1,760			240	220
18	850	5,760			260	2,200		2,810			220	220
19	750	3,780	400		260	3,620		2,050	430		200	200
20	550	2,900		240	240	4,020		2,170			180	200
21	440	2,170		240	240	3,780		1,990			170	180
22	420	1,760		260	240	3,400		1,870			180	160
23	440	1,490		260	240	2,760	2,200	1,760			200	150
24	550	1,300		240	240	2,170		2,240			220	140
25	1,200	1,120		240	240	1,760		2,360			190	320
26	1,900	1,020		240	260	1,440		2,240			160	200
27	1,700	1,140		240	280	1,200		2,050			150	120
28	1,500	1,190		240	300	1,040		1,930			160	110
29	1,300	1,200		260	-------	945		1,320			440	100
30	1,100	1,180		260	-------	857		1,880			650	95
31	1,100	-------		260	-------	841	-------	996	-------		650	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,900	360	846	2.02	2.33
November	5,760	800	1,680	4.02	4.48
December	1,100	----------	490	1.17	1.35
January	260	----------	231	.553	.64
February	300	220	246	.589	.61
March	4,020	240	1,180	2.82	3.25
April	----------	755	1,530	3.66	4.08
May	2,810	996	1,580	3.78	4.36
June	2,600	----------	652	1.56	1.74
July	----------	----------	360	.861	.99
August	650	150	257	.615	.71
September	900	95	312	.746	.83
The year	5,760	95	781	1.87	25.37

HUDSON RIVER AT NORTH CREEK, N. Y.

LOCATION.—Chain gage at highway bridge in North Creek, Warren County, 100 feet above mouth of North Creek.

DRAINAGE AREA.—792 square miles.

RECORDS AVAILABLE.—September, 1907, to September 30, 1927.

EXTREMES.—Maximum discharge during year, 9,990 second-feet November 18 (gage height, 7.2 feet); minimum, 305 second-feet August 6 (gage height, 2.23 feet).

1907–1927: Maximum discharge, 30,000 second-feet March 27, 1913 (gage height, 12.0 feet); minimum, 128 second-feet September 2, 1923 (gage height, 1.92 feet).

REMARKS.—Records good except those for period of ice effect, December 4 to March 18, which are fair. Flow regulated by storage in Indian Lake Reservoir and by numerous lakes and ponds in basin.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	670	1,890	1,750	650	900	800	1,300	2,350	1,300	520	1,030	840
2	670	1,750	1,610	850	850	800	1,240	1,240	1,130	424	795	750
3	1,130	1,750	1,180	900	800	700	1,240	1,180	980	370	460	980
4	1,480	1,610	1,100	900	800	650	1,300	1,180	840	795	388	885
5	1,480	1,890	1,000	950	800	700	1,300	1,960	1,480	840	330	750
6	2,040	1,540	1,000	900	800	650	1,300	2,040	2,880	840	310	670
7	2,040	1,240	950	500	800	650	1,680	1,300	930	885	590	555
8	1,540	1,240	900	550	750	650	1,540	1,300	3,870	885	670	520
9	1,360	1,300	850	650	750	700	1,480	1,240	980	885	840	454
10	1,240	2,350	800	800	750	650	1,420	1,300	710	885	930	400
11	1,030	2,700	800	800	750	600	1,240	1,360	710	885	885	795
12	1,240	2,350	800	800	750	550	1,240	2,350	1,180	840	840	1,240
13	1,240	2,190	800	800	750	500	1,300	3,460	980	840	795	1,180
14	1,180	1,750	800	800	750	750	1,300	1,960	1,030	795	840	885
15	1,130	1,610	850	750	750	1,100	1,240	2,040	750	840	1,030	795
16	1,240	1,890	800	800	800	1,500	1,420	4,330	630	885	1,180	460
17	1,750	9,350	750	800	800	2,000	1,890	2,700	590	1,060	1,240	448
18	1,610	9,350	700	800	800	3,800	2,350	3,660	1,240	520	1,180	840
19	1,540	6,090	700	800	750	5,830	3,070	3,070	1,540	555	930	1,130
20	1,300	3,870	950	800	750	6,090	4,330	3,260	1,540	520	795	1,240
21	1,130	3,660	1,000	440	750	5,310	5,310	2,700	1,420	448	1,080	1,130
22	930	2,700	1,100	460	750	4,810	5,310	2,700	1,420	400	1,360	1,080
23	840	2,350	700	500	700	3,870	6,090	2,520	1,480	388	1,240	840
24	1,300	2,040	650	600	700	3,070	4,570	3,070	1,030	750	1,180	750
25	2,190	1,890	650	800	700	2,520	2,700	3,870	930	930	885	1,030
26	3,260	1,610	900	800	750	2,040	2,700	2,880	1,360	840	590	1,130
27	2,880	1,480	950	850	800	1,820	2,190	2,700	1,480	710	520	930
28	2,350	1,890	1,000	800	800	1,610	1,960	2,520	1,180	590	1,030	930
29	1,960	1,820	950	800	-------	1,480	2,700	1,750	1,080	520	1,420	885
30	1,750	1,890	950	850	-------	1,360	1,960	2,750	1,080	430	1,240	885
31	1,750	-------	650	850	-------	1,360	-------	1,420	-------	930	980	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	3,260	670	1,520	1.92	2.21
November	9,350	1,240	2,630	3.32	3.70
December	1,750	650	922	1.16	1.34
January	950	440	753	.951	1.10
February	900	700	771	.973	1.01
March	6,090	500	1,900	2.40	2.77
April	6,090	1,240	2,290	2.89	3.22
May	4,330	1,180	2,330	2.94	3.39
June	3,870	590	1,260	1.59	1.77
July	930	370	695	.878	1.01
August	1,420	310	890	1.12	1.29
September	1,240	400	847	1.07	1.19
The year	9,350	310	1,400	1.77	24.00

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin.

HUDSON RIVER AT HADLEY, N. Y.

LOCATION.—Water-stage recorder at Hadley, Saratoga County, a quarter of a mile above mouth of Sacandaga River and just below Lake Luzerne outlet.

DRAINAGE AREA.—1,660 square miles.

RECORDS AVAILABLE.—July, 1921, to September, 1927.

EXTREMES.—Maximum discharge during year, 11,000 second-feet November 18 (gage height, 9.1 feet); minimum, about 625 second-feet September 18. 1921–1927: Maximum discharge, 33,100 second-feet April 12, 1922 (gage height, 19.71 feet); minimum, 362 second-feet September 3, 1923 (gage height, 1.19 feet).

REMARKS.—Records good except those for period of ice effect, December 3 to March 22, which are fair. Flow partly regulated by storage reservoirs. Discharge estimated October 1 to November 16 because of backwater from logs, and July 3 to September 30 because of backwater from flashboards on dam.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	950	3,000	3,920	1,300	1,600	1,600	3,920	3,850	3,180	1,200	1,900	1,400
2	900	3,000	3,470	1,400	1,600	1,500	3,620	3,430	2,900	850	1,400	1,400
3	1,200	3,200	3,000	1,400	1,600	1,400	3,540	2,840	2,640	850	950	1,500
4	1,700	3,000	2,600	1,400	1,500	1,400	3,470	3,180	2,390	950	950	1,600
5	1,900	2,800	2,400	1,500	1,400	1,300	3,470	3,520	2,270	1,200	950	1,600
6	2,400	2,800	2,200	1,400	1,600	1,200	3,400	3,040	3,860	1,200	900	1,100
7	3,000	2,400	2,200	1,200	1,500	1,300	3,770	3,260	2,680	1,200	850	1,000
8	2,400	2,400	2,200	1,100	1,500	1,400	3,840	2,970	3,870	1,200	1,100	900
9	2,000	2,400	2,000	1,100	1,500	1,400	3,620	2,580	2,850	1,200	1,300	800
10	1,900	3,600	2,000	1,300	1,400	1,400	3,540	2,640	1,920	1,200	1,300	750
11	1,700	4,400	2,000	1,200	1,400	1,300	3,320	4,420	1,760	1,300	1,300	850
12	1,600	4,000	2,000	1,200	1,400	1,300	3,180	4,240	1,810	1,200	1,200	1,500
13	1,800	4,000	1,900	1,200	1,300	1,400	3,250	4,720	2,150	1,200	1,100	1,600
14	1,800	3,400	1,900	1,200	1,300	2,000	3,180	3,970	1,860	1,200	1,200	1,400
15	1,700	3,200	1,900	1,300	1,300	3,000	3,040	3,700	1,760	1,200	1,300	1,200
16	1,600	3,600	1,700	1,300	1,300	4,400	3,110	5,660	1,460	1,400	1,400	1,100
17	1,900	9,390	1,600	1,300	1,300	6,000	3,470	5,360	1,280	1,300	1,500	700
18	2,200	10,800	1,500	1,300	1,300	7,000	4,000	5,540	1,360	1,300	1,600	800
19	2,000	10,300	1,400	1,400	1,300	9,500	4,720	5,360	2,270	900	1,400	1,400
20	1,900	9,220	1,600	1,400	1,300	10,000	5,680	6,810	2,390	900	1,100	1,800
21	1,700	7,520	1,700	1,400	1,300	10,000	6,670	5,360	2,270	900	1,300	1,600
22	1,500	6,330	1,800	1,100	1,400	9,500	7,010	4,880	2,210	800	1,600	1,500
23	1,400	5,520	1,600	1,100	1,400	8,710	8,140	4,720	2,210	850	1,600	1,300
24	1,700	5,040	1,200	1,200	1,400	7,690	7,660	5,100	2,030	1,500	1,600	1,100
25	3,200	4,400	1,300	1,400	1,500	6,670	5,540	6,740	1,550	1,800	1,400	1,200
26	4,400	4,000	1,400	1,400	1,500	5,840	4,560	5,680	1,650	1,400	1,100	1,600
27	4,200	4,240	1,500	1,400	1,600	5,360	4,720	5,360	2,090	1,200	700	1,400
28	3,600	4,240	1,500	1,400	1,600	4,880	4,080	4,880	1,810	1,100	1,100	1,300
29	3,200	4,080	1,500	1,500	-------	4,400	4,620	4,400	1,460	1,000	2,000	1,300
30	2,800	4,000	1,500	1,500	-------	4,080	4,040	4,860	1,500	800	2,400	1,200
31	2,800	-------	1,400	1,600	-------	4,000	-------	3,840	-------	900	2,000	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	4,400	900	2,160	1.30	1.50
November	10,800	2,400	4,680	2.82	3.15
December	3,920	1,200	1,930	1.16	1.34
January	1,600	1,100	1,320	.795	.92
February	1,600	1,300	1,430	.861	.90
March	10,000	1,200	4,220	2.54	2.93
April	8,140	3,040	4,340	2.61	2.91
May	6,810	2,580	4,420	2.66	3.07
June	3,870	1,280	2,180	1.31	1.46
July	1,800	800	1,140	.687	.79
August	2,400	700	1,340	.807	.93
September	1,800	700	1,260	.759	.85
The year	10,800	700	2,540	1.53	20.75

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin.

HUDSON RIVER AT MECHANICVILLE, N. Y.

LOCATION.—Water-stage recorder at dam of West Virginia Pulp & Paper Co. in Mechanicville, Saratoga County.

DRAINAGE AREA.—4,500 square miles.

RECORDS AVAILABLE.—October, 1887, to September, 1927.

EXTREMES.—Maximum daily discharge during year, 35,600 second-feet March 21; minimum daily, 613 second-feet July 24.

1887–1927: Maximum discharge, 120,000 second-feet March 28, 1913; practically no flow at times when plant is shut down.

REMARKS.—Discharge computed from flow over spillway, through wheels and through lock of Champlain Canal. Records poor. Comparative studies with gaging stations above Mechanicville indicate that the record as published below is low by varying amounts, the maximum difference being about 25 per cent with a yearly average of about 10 per cent low. Flow slightly regulated by storage above station. Water is diverted through Glens Falls feeder into Lake Champlain for which no correction is made. Records of discharge over spillway and through wheels furnished by West Virginia Pulp & Paper Co.

Daily discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,620	9,880	7,920	2,630	5,750	4,890	11,000	8,640	8,250	2,960	1,670	6,730
2	2,180	9,360	7,190	1,780	5,430	4,580	10,200	8,720	6,930	2,260	4,110	6,530
3	1,290	8,680	5,690	3,330	5,210	4,780	10,000	7,460	7,130	985	3,600	5,600
4	2,410	8,700	5,030	3,370	5,620	4,680	10,100	6,670	5,490	787	3,100	4,760
5	3,060	7,730	2,580	3,200	5,010	4,140	9,400	5,540	3,550	1,030	2,700	5,100
6	4,220	7,230	4,300	3,320	3,130	2,390	9,260	7,290	5,270	1,810	2,000	4,500
7	6,000	5,540	4,230	3,270	4,530	3,870	9,780	6,140	7,070	2,330	990	3,970
8	6,770	5,770	4,180	2,390	5,120	10,500	10,100	5,960	4,730	2,340	1,230	3,390
9	6,100	7,290	3,950	1,180	4,970	10,400	9,860	7,670	6,000	1,530	2,520	2,970
10	5,490	10,800	4,680	2,050	4,710	9,160	9,830	5,780	5,010	1,030	2,190	2,080
11	4,630	11,300	4,490	3,110	4,570	10,300	9,740	6,040	4,300	1,340	2,160	1,890
12	4,330	10,900	1,860	3,230	3,920	10,100	8,870	8,360	3,040	1,910	2,020	1,650
13	3,380	9,960	4,750	2,980	3,280	12,800	8,710	8,580	4,090	1,810	1,570	2,880
14	4,130	8,680	4,470	2,590	3,520	18,200	9,160	9,110	4,320	1,930	872	3,230
15	3,940	8,750	4,400	2,050	4,110	20,000	9,100	8,290	4,260	2,010	1,190	3,000
16	3,820	9,900	4,160	1,480	3,900	20,800	8,290	11,800	3,300	1,870	2,050	2,840
17	2,820	17,300	3,730	2,880	3,920	20,500	8,920	13,700	3,210	1,670	1,930	1,860
18	4,310	20,900	3,210	3,340	4,030	24,400	10,600	13,100	2,800	1,990	1,880	836
19	4,280	23,000	1,450	3,370	3,690	31,200	11,000	12,800	1,530	2,730	2,050	1,200
20	4,480	18,100	2,980	4,850	2,020	34,100	12,400	12,400	2,620	2,600	1,640	2,230
21	4,550	15,500	3,680	5,390	3,460	35,600	14,000	12,500	3,480	2,350	1,050	2,670
22	4,030	13,600	3,800	5,320	3,560	33,000	15,100	10,900	3,430	2,260	995	2,520
23	3,640	11,200	3,830	3,970	3,720	27,200	16,300	10,700	3,380	2,040	1,980	2,380
24	2,700	9,980	2,700	4,830	4,290	24,100	17,200	10,900	3,310	613	2,260	1,700
25	8,570	8,690	1,320	4,800	5,310	20,400	14,300	12,700	2,400	3,620	2,660	1,000
26	13,000	8,070	1,330	4,850	5,370	17,800	11,700	14,700	1,970	4,010	2,420	1,660
27	12,100	8,670	3,230	4,610	4,250	16,300	11,100	13,500	2,720	3,600	1,880	2,770
28	10,900	8,090	3,750	4,430	4,750	15,000	10,200	12,200	3,520	3,160	970	2,040
29	9,280	8,290	3,280	4,740	-------	13,800	9,930	11,900	3,520	2,780	2,020	2,120
30	7,900	8,230	3,290	4,680	-------	12,700	9,920	10,200	3,150	2,010	6,100	1,920
31	8,750	-------	3,350	6,570	-------	11,600	-------	10,200	-------	802	7,440	------

Monthly discharge of Hudson River at Mechanicville, N. Y., 1926–27

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	13,000	1,290	5,340	1.19	1.37
November	23,000	5,540	10,700	2.38	2.66
December	7,920	1,320	3,830	.851	.98
January	6,570	1,180	3,570	.793	.91
February	5,750	2,020	4,330	.962	1.00
March	35,600	2,390	15,800	3.51	4.05
April	17,200	8,290	10,900	2.42	2.70
May	14,700	5,540	9,820	2.18	2.51
June	8,250	1,530	4,130	.918	1.02
July	4,010	613	2,070	.460	.53
August	7,440	872	2,300	.511	.59
September	6,730	836	2,930	.651	.73
The year	35,600	613	6,310	1.40	19.05

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin.

INDIAN LAKE RESERVOIR NEAR INDIAN LAKE, N. Y.

LOCATION.—Chain gage at Indian Lake Dam, 2 miles south of Indian Lake village, Hamilton County, and 7½ miles above mouth of Indian River.

DRAINAGE AREA.—131 square miles.

RECORDS AVAILABLE.—July, 1900, to September, 1927.

EXTREMES.—Maximum stage during year, 32.45 feet June 16 and 17; minimum, 7.45 feet March 10.

1900–1927: Maximum stage, 38.8 feet March 28, 1913; minimum, 2.0 feet March 9–18, 1907, and January 3–17, 1910.

REMARKS.—Storage capacity of reservoir, about 4.7 billion cubic feet.

Daily gage height, in feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15.95	16.55	21.95	19.65	13.85	8.55	15.05	24.55	31.55	27.75	25.65	20.4
2	16.15	16.55	21.95	19.45	13.75	8.55	15.15	24.75	31.65	27.75	25.75	20.7
3	16.05	16.65	22.05	19.15	13.55	8.45	15.25	24.95	31.75	27.75	25.75	20.9
4	15.85	16.65	22.05	18.75	13.35	8.25	15.45	25.15	31.85	27.55	25.85	21.0
5	15.75	16.75	22.05	18.45	13.15	8.15	15.55	25.35	31.95	27.25	25.95	21.0
6	15.75	16.75	22.05	18.45	12.95	7.95	15.95	25.55	32.05	27.05	25.95	21.2
7	15.85	16.75	22.05	18.35	12.75	7.85	16.15	25.65	32.05	26.75	25.75	21.2
8	15.95	16.85	21.95	18.35	12.55	7.65	16.35	25.85	32.15	26.55	25.45	21.3
9	15.95	16.95	21.95	18.15	12.25	7.55	16.55	26.05	32.25	26.15	25.3	21.3
10	16.15	17.35	21.95	17.75	11.95	7.45	16.75	26.25	32.25	25.95	25.1	21.4
11	16.15	17.85	21.95	17.45	11.85	7.65	16.85	26.55	32.35	25.75	24.7	21.4
12	15.85	18.05	21.95	17.15	11.65	7.65	17.25	26.95	32.35	25.55	24.6	21.3
13	15.45	18.25	21.95	16.95	11.35	7.65	17.55	27.25	32.35	25.35	24.4	21.1
14	15.35	18.35	21.95	16.95	11.15	7.95	17.65	27.45	32.35	25.05	24.1	20.8
15	15.05	18.35	21.95	16.75	10.95	8.25	17.85	27.65	32.35	24.75	24.0	20.7
16	14.95	18.75	21.95	16.45	10.85	8.75	18.25	28.05	32.45	24.65	23.4	20.7
17	14.65	19.45	21.95	16.15	10.75	9.15	18.75	28.25	32.45	24.75	22.8	20.6
18	14.65	20.05	21.85	15.95	10.55	9.85	19.15	28.55	31.95	24.75	22.3	20.2
19	14.25	20.45	21.75	15.75	10.25	10.85	19.75	28.75	31.35	24.85	22.1	19.8
20	13.85	20.65	21.55	15.45	9.95	11.55	20.65	29.05	30.95	24.95	21.8	19.4
21	13.65	20.95	21.35	15.65	9.95	12.45	21.45	29.25	30.45	25.05	21.3	19.0
22	13.95	21.15	21.05	15.65	9.75	12.85	21.95	29.45	29.95	25.15	20.8	18.6
23	13.85	21.25	20.95	15.65	9.65	13.45	22.55	29.65	29.55	25.15	20.4	18.3
24	13.75	21.35	20.95	15.55	9.35	13.75	22.85	29.85	29.35	25.25	20.1	18.0
25	14.55	21.35	20.95	15.45	9.15	13.85	23.15	30.15	29.15	25.35	19.9	17.6
26	15.15	21.35	20.95	15.15	9.05	14.05	23.55	30.35	28.65	25.45	19.6	17.3
27	15.65	21.35	20.45	14.95	8.95	14.35	23.75	30.75	28.25	25.45	19.5	16.8
28	15.95	21.55	20.25	14.75	8.65	14.45	23.85	30.95	27.95	25.55	19.2	16.4
29	16.15	21.65	19.95	14.45	-------	14.55	24.15	31.15	27.75	25.65	19.0	16.0
30	16.05	21.85	19.75	14.25	-------	14.75	24.35	31.25	27.65	25.55	19.8	15.8
31	16.05	-------	19.65	13.95	-------	14.95	-------	31.45	-------	25.55	20.2	-------

INDIAN RIVER NEAR INDIAN LAKE, N. Y.

LOCATION.—Water-stage recorder three-quarters of a mile below Indian Lake Dam, and 2 miles south of Indian Lake village, Hamilton County.

DRAINAGE AREA.—132 square miles.

RECORDS AVAILABLE.—July, 1912, to June, 1914, June, 1915, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,170 second-feet June 17 (gage height, 4.2 feet); practically no flow at times.

1912–1927: Maximum discharge, 3,460 second-feet March 28, 1913 (gage height, 7.8 feet); practically no flow at times.

REMARKS.—Records good. Flow regulated by storage in Indian Lake Reservoir. Discharge estimated February 1–4 and 10–18 because of no gage-height record.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	172	183	134	378	466	318	3.6	1.6	5.5	13	8.4	4.6
2	191	177	134	575	466	309	3.2	1.6	5.5	12	5.9	4.2
3	372	153	134	575	466	298	3.2	1.6	5.5	326	5.5	4.6
4	556	122	134	556	466	292	2.9	1.6	5.5	575	5.5	4.2
5	556	126	136	556	466	289	2.9	2.1	5.9	575	5.2	3.9
6	408	128	136	351	449	287	3.9	2.1	5.5	575	160	3.6
7	168	128	153	144	449	278	4.9	1.4	5.5	575	312	3.6
8	168	128	166	324	449	270	3.9	1.4	5.5	575	440	3.6
9	168	130	155	537	432	268	2.9	1.4	5.5	556	537	3.2
10	168	132	138	537	432	149	2.7	2.1	5.5	556	537	3.6
11	388	130	138	537	432	133	2.3	4.9	5.5	556	537	3.9
12	556	128	138	537	429	146	1.6	2.9	5.5	556	537	273
13	556	128	138	537	426	50	1.6	2.7	5.5	556	585	501
14	537	126	138	537	419	55	1.6	2.5	5.5	556	802	501
15	537	126	138	519	416	47	1.4	2.7	5.5	537	886	241
16	519	140	138	519	413	11	1.6	4.9	5.5	425	945	3.9
17	519	136	138	519	406	9.6	2.1	3.6	527	8.2	945	396
18	519	136	180	519	403	13	2.5	4.6	1,170	5.9	734	824
19	501	136	526	501	400	12	2.5	4.2	1,140	4.9	575	824
20	501	136	594	303	394	7.1	2.7	4.2	1,140	4.6	758	802
21	338	134	594	128	388	6.2	2.5	3.9	1,120	4.6	920	779
22	148	134	465	128	384	6.2	2.3	3.2	1,120	4.2	896	629
23	342	134	148	128	378	4.2	2.5	3.6	799	4.6	871	501
24	438	134	148	350	369	3.9	2.1	3.9	575	5.9	707	598
25	166	134	417	501	360	3.6	1.6	4.2	915	4.9	400	757
26	166	134	594	501	345	3.2	1.8	4.9	1,100	4.2	278	757
27	172	136	594	501	333	3.2	2.9	4.2	822	4.2	633	735
28	179	134	575	501	330	2.9	2.3	4.2	614	4.2	848	714
29	181	134	575	484	------	2.9	1.6	4.6	575	4.2	407	693
30	181	134	344	484	------	2.7	1.6	4.9	269	143	18	566
31	186	------	146	484	------	3.2	------	5.2	------	253	5.9	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	556	148	341	2.58	2.97
November	183	122	136	1.03	1.15
December	594	134	267	2.02	2.33
January	575	128	444	3.36	3.87
February	466	330	413	3.13	3.26
March	318	2.7	106	.803	.93
April	4.9	1.4	2.51	.019	.02
May	5.2	1.4	3.25	.025	.03
June	1,170	5.5	399	3.02	3.37
July	575	4.2	258	1.95	2.25
August	945	5.2	494	3.74	4.31
September	824	3.2	371	2.81	3.14
The year	1,170	1.4	269	2.04	27.63

NOTE.—Net increase in storage in Indian Lake Reservoir during year was less than 1 per cent of the mean discharge for year.

NORTH CREEK AT NORTH CREEK, N. Y.

LOCATION.—Staff gage 125 feet below abandoned dam in North Creek, Warren County, and 1,000 feet above mouth.

DRAINAGE AREA.—21.8 square miles.

RECORDS AVAILABLE.—July, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, 430 second-feet March 18 (gage height, 3.65 feet); minimum, 0.3 second-foot September 26 (gage height, 0.90 foot).

1924–1927: Maximum discharge, 715 second-feet April 25, 1926 (gage height, 5.5 feet); minimum, 0.3 second-foot September 1, 1926, and September 26, 1927.

REMARKS.—Records good except those for periods of backwater from ice, December 11 to March 12, or from Hudson River, November 17 and 18, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0	43	45	10	10	11	50	26	29	8.5	33	61
2	12	39	28	10	10	11	50	25	26	7.9	20	58
3	14	31	19	10	10	11	50	26	25	7.2	11	54
4	14	27	17	10	10	10	50	29	24	7.9	8.5	39
5	14	28	14	10	10	11	55	41	26	7.2	6.6	18
6	55	27	14	10	10	11	50	39	40	5.9	6.9	3.2
7	50	27	14	9	11	12	65	36	22	5.6	6.9	2.8
8	38	30	12	9	11	14	65	33	16	6.3	6.6	2.7
9	24	30	12	8	10	16	65	35	16	6.6	7.2	2.8
10	14	152	12	8	9	16	50	46	16	6.9	7.2	3.2
11	8.0	65	12	8	9	16	55	96	18	7.2	6.3	6.3
12	12	55	12	8	10	34	55	75	16	7.9	5.3	6.3
13	14	41	11	8	10	50	45	50	14	8.5	4.8	5.6
14	12	33	13	8	9	198	41	33	14	7.9	4.8	5.3
15	12	31	12	8	9	198	39	38	12	8.5	5.3	7.2
16	11	142	12	8	10	186	43	117	11	9.6	5.3	8.8
17	10	270	10	9	11	224	77	85	12	9.2	4.8	7.5
18	9.6	136	10	10	12	332	91	85	8.8	11	4.8	6.6
19	10	163	10	12	14	369	123	78	8.8	12	4.8	6.3
20	11	152	10	14	12	350	132	66	16	11	4.8	5.9
21	14	91	10	15	11	186	108	46	14	9.9	4.4	5.3
22	23	55	12	16	10	152	96	43	12	6.6	4.4	7.5
23	36	43	12	16	11	132	75	68	11	51	4.4	6.3
24	55	33	11	14	15	91	59	71	9.6	41	4.4	5.6
25	163	30	11	13	16	65	60	80	10	38	3.9	2.2
26	106	35	11	12	14	65	60	98	13	31	3.9	.3
27	60	50	12	10	14	50	68	82	12	16	3.9	2.2
28	39	55	10	10	12	50	50	41	12	9.6	22	3.5
29	35	55	10	10	-------	45	36	35	9.9	7.9	58	3.7
30	28	60	10	10	-------	50	27	32	8.8	6.9	60	3.9
31	38	-------	11	10	-------	60	-------	31	-------	26	58	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	163	8.0	30.6	1.40	1.61
November	270	27	67.6	3.10	3.46
December	45	10	13.5	.619	.71
January	16	8	10.4	.477	.55
February	16	9	11.1	.509	.53
March	369	10	97.6	4.48	5.16
April	132	27	63.0	2.89	3.22
May	117	25	54.4	2.50	2.88
June	40	8.8	16.1	.739	.82
July	51	5.6	13.1	.601	.69
August	60	3.9	12.7	.583	.67
September	61	.3	11.7	.537	.60
The year	369	.3	33.6	1.54	20.90

SCHROON RIVER AT RIVERBANK, N. Y.

LOCATION.—Water-stage recorder at Riverbank, Warren County, 9 miles below Schroon Lake Reservoir, and 13 miles above mouth.

DRAINAGE AREA.—534 square miles.

RECORDS AVAILABLE.—September, 1907, to September, 1927.

EXTREMES.—Maximum discharge during year, 3,000 second-feet March 22 (gage height, 5.6 feet); minimum, 183 second-feet September 30 (gage height, 1.47 feet).

1907–1927: Maximum discharge, about 13,500 second-feet March 28, 1913 (gage height, 10.7 feet); minimum, 28 second-feet October 17, 1909 (gage height, 0.85 foot).

REMARKS.—Records excellent except those for periods of ice effect, December 10–12, December 17 to February 23, March 1–5, which are fair. Discharge estimated October 25–30, November 3, December 14, August 4, 5 because of missing gage-height record. Flow regulated somewhat by storage.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	199	660	1,320	380	360	340	1,580	1,240	1,320	228	305	249
2	211	685	1,210	380	360	320	1,500	1,180	1,210	213	305	255
3	211	685	1,100	380	360	300	1,460	1,140	1,140	211	295	252
4	199	660	1,040	360	360	300	1,390	1,070	1,070	202	284	259
5	199	635	940	360	360	300	1,350	1,070	1,100	199	275	252
6	225	610	910	380	360	315	1,320	1,040	972	197	262	252
7	228	610	880	380	360	333	1,350	1,000	940	194	262	249
8	225	586	820	360	360	370	1,320	972	880	191	262	255
9	231	586	765	360	360	389	1,320	910	820	208	262	252
10	243	660	750	340	340	393	1,280	910	792	216	262	246
11	255	765	750	340	320	397	1,240	972	765	213	259	246
12	255	820	700	340	300	413	1,210	1,040	710	205	255	243
13	262	820	660	340	300	446	1,210	1,040	660	199	259	240
14	271	820	660	340	300	515	1,180	1,040	635	205	255	240
15	271	820	635	340	300	685	1,140	1,040	610	208	262	243
16	262	850	610	360	300	940	1,140	1,180	561	219	252	243
17	255	1,570	600	360	300	1,140	1,140	1,320	538	216	249	240
18	255	2,400	550	360	300	1,460	1,180	1,390	506	225	246	237
19	255	2,600	480	360	300	2,020	1,240	1,460	484	225	243	234
20	252	2,600	460	380	300	2,600	1,390	1,620	475	222	240	234
21	268	2,500	460	400	300	2,900	1,500	1,660	458	219	231	228
22	268	2,350	440	400	280	3,000	1,660	1,660	433	219	228	228
23	271	2,160	440	380	300	2,900	1,750	1,660	417	237	228	225
24	275	1,930	420	380	308	2,800	1,840	1,660	409	259	234	222
25	390	1,750	420	380	315	2,600	1,840	1,660	397	259	228	213
26	635	1,580	420	360	329	2,350	1,750	1,700	370	271	225	211
27	710	1,500	400	360	337	2,200	1,620	1,750	236	281	231	213
28	685	1,460	400	360	344	2,020	1,500	1,700	225	278	243	202
29	685	1,390	400	360	------	1,880	1,390	1,620	225	271	249	194
30	660	1,350	400	360	------	1,750	1,320	1,500	219	268	249	188
31	660	------	380	360	------	1,660	------	1,390	------	279	249	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	710	199	331	0.620	0.71
November	2,600	586	1,280	2.40	2.68
December	1,320	380	659	1.23	1.42
January	400	340	365	.684	.79
February	360	280	325	.609	.63
March	3,000	300	1,290	2.42	2.79
April	1,840	1,140	1,400	2.62	2.92
May	1,750	910	1,310	2.45	2.82
June	1,320	219	649	1.22	1.36
July	281	191	227	.425	.49
August	305	225	254	.476	.55
September	259	188	235	.440	.49
The year	3,000	188	695	1.30	17.65

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin.

SACANDAGA RIVER NEAR HOPE, N. Y.

LOCATION.—Staff gage 1½ miles below junction of East and West Branches, 4½ miles above Hope, Hamilton County, and 11½ miles above Northville.

DRAINAGE AREA.—494 square miles.

RECORDS AVAILABLE.—September, 1911, to September, 1927.

EXTREMES.—Maximum discharge during year, 9,320 second-feet November 17 (gage height, 7.0 feet); minimum, 124 second-feet July 13 (gage height, 1.62 feet).

1911–1927: Maximum stage, 11.7 feet during flood of March 25–30, 1913 (discharge not determined); minimum discharge, about 16 second-feet September 30, 1913 (gage height, 1.17 feet).

REMARKS.—Records fair. Discharge estimated December 4 to March 16, because of ice effect, and October 10–16, December 1–3, January 10–14, May 3, 8–19, July 16–20, August 8–27, and September 14–18, because of unreliable or missing gage-height record.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	615	1,450	1,500	400	550	500	1,450	1,680	1,450	280	855	1,240
2	730	1,450	1,100	400	500	500	1,340	1,450	1,340	240	652	1,090
3	1,090	1,450	900	400	500	500	1,340	1,370	1,240	194	514	945
4	1,040	1,450	800	400	500	480	1,290	1,290	1,040	194	425	855
5	992	1,340	650	400	500	460	1,340	1,240	992	172	398	770
6	1,940	1,290	600	400	480	500	1,940	1,240	945	164	372	730
7	2,230	1,290	600	380	480	550	1,940	1,290	855	164	324	652
8	2,080	1,240	600	380	460	700	1,940		812	150		615
9	1,810	1,620	600	380	440	900	1,810		770	142		580
10	1,500	3,760	600	380	440	1,100	1,810		690	136		514
11	1,200	3,640	650	380	400	1,300	1,810		652	136		483
12	1,000	3,060	650	400	400	1,600	1,810		615	132		454
13	900	2,540	650	400	380	1,600	1,940		580	124		454
14	800	2,380	650	420	380	1,900	2,080	1,800	580	164		450
15	750	1,940	600	420	380	2,400	2,230		546	280		425
16	750	2,070	550	420	360	2,800	2,710		546	350		400
17	855	6,910	550	420	360	3,250	3,060		514	425		400
18	812	4,050	500	420	360	4,960	3,640		514	475	220	425
19	730	3,250	460	420	360	5,470	3,840		514	400		425
20	730	3,060	460	440	360	4,720	4,270	1,940	514	300		372
21	730	2,710	440	460	380	4,270	4,050	1,810	483	229		348
22	770	2,380	460	500	400	3,640	4,050	1,680	483	229		302
23	1,090	2,080	460	600	420	3,060	3,640	1,680	483	359		280
24	1,450	1,560	460	650	460	2,540	3,250	1,940	454	483		240
25	3,250	1,340	440	600	500	2,230	3,250	2,230	454	425		211
26	3,060	1,290	440	550	600	1,940	3,250	2,880	425	398		208
27	2,540	1,290	440	500	600	1,810	2,880	2,380	372	372		194
28	2,080	1,240	420	500	550	1,560	2,540	1,940	372	372	855	194
29	1,810	1,340	400	500	-------	1,450	2,230	1,680	372	348	2,520	188
30	1,560	1,680	400	550	-------	1,340	1,940	1,560	348	348	1,940	178
31	1,560	-------	420	600	-------	1,450	-------	1,450	-------	921	1,450	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	3,250	615	1,370	2.77	3.19
November	6,910	1,240	2,200	4.45	4.96
December	1,500	400	595	1.20	1.38
January	650	380	454	.919	1.06
February	600	360	446	.903	.94
March	5,470	460	1,980	4.01	4.62
April	4,270	1,290	2,490	5.04	5.62
May	2,880	1,240	1,750	3.54	4.08
June	1,450	348	665	1.35	1.51
July	921	124	294	.595	.69
August	2,520	----------	474	.960	1.11
September	1,240	178	487	.986	1.10
The year	6,910	124	1,100	2.23	30.26

SACANDAGA RIVER AT HADLEY, N. Y.

LOCATION.—Water-stage recorder half a mile west of Hadley, Saratoga County, and 1 mile above mouth.

DRAINAGE AREA.—1,060 square miles.

RECORDS AVAILABLE.—January, 1911, to September, 1927.

EXTREMES.—Maximum discharge during year, 14,800 second feet March 20 (gage height, 9.0 feet); minimum, 245 second-feet August 21 (gage height, 2.74 feet).

1911–1927: Maximum discharge, about 35,500 second-feet March 28, 1913 (gage height, 12.36 feet); minimum, about 61 second-feet September 16, 1913 (gage height, 2.25 feet).

REMARKS.—Records excellent except those for period of ice effect, December 7 to March 15, which are fair. Discharge estimated December 2, 3, 15–17, January 12–14, 24, February 2, 6–9, and August 23 because of missing or faulty gage-height record.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,060	2,780	3,160	800	1,100	1,000	3,760	3,450	2,440	503	1,560	4,910
2	1,040	2,780	2,520	800	1,100	1,000	3,660	3,060	1,960	455	1,960	4,440
3	1,270	2,870	1,620	750	1,100	1,000	3,560	2,690	1,580	413	1,490	4,200
4	1,460	2,690	1,460	750	1,100	950	3,450	2,350	1,360	377	1,150	3,660
5	1,280	2,440	1,390	700	1,100	900	3,450	2,350	1,380	413	943	2,780
6	1,980	2,270	1,260	700	1,100	900	3,560	2,440	1,610	419	792	2,120
7	3,660	2,040	1,200	650	1,100	1,000	3,870	2,270	1,540	401	678	1,610
8	3,660	1,890	1,200	650	1,000	1,100	4,200	2,040	1,360	449	615	1,270
9	3,160	1,960	1,200	650	950	1,300	4,200	1,620	1,220	473	636	1,020
10	2,600	3,440	1,200	650	950	1,700	4,090	1,620	1,040	419	636	816
11	2,120	4,320	1,200	600	900	2,200	4,090	2,600	1,030	389	587	784
12	1,820	4,090	1,200	600	900	2,400	3,980	3,350	1,120	365	534	864
13	1,510	3,660	1,300	600	850	2,400	4,200	3,250	1,040	335	491	824
14	1,350	3,250	1,300	650	850	3,000	4,200	2,960	943	317	449	776
15	1,230	2,870	1,300	700	800	4,000	4,200	3,060	872	329	389	720
16	1,090	2,860	1,200	750	800	4,790	3,980	4,440	880	560	347	692
17	1,030	5,280	1,000	750	750	6,070	4,200	5,160	848	678	317	650
18	1,150	6,940	950	700	750	7,740	4,440	5,280	792	943	287	685
19	1,220	7,250	900	700	750	11,500	4,910	5,160	736	1,060	270	760
20	1,240	6,940	850	750	750	13,900	5,410	4,910	768	961	260	816
21	1,290	6,500	800	800	800	13,900	5,670	4,440	816	816	255	808
22	1,360	5,940	850	1,000	800	12,200	5,940	4,090	760	664	311	760
23	1,550	4,910	850	1,200	800	10,800	6,070	3,760	713	728	449	671
24	2,190	4,200	850	1,400	900	8,950	6,070	3,660	784	1,370	467	580
25	3,550	3,660	850	1,300	1,000	7,250	5,670	4,090	752	1,820	407	509
26	4,670	3,060	850	1,200	1,100	6,350	5,030	4,670	736	1,550	299	461
27	4,790	2,960	850	1,100	1,100	5,540	4,670	5,030	824	1,170	281	419
28	4,440	3,450	800	1,000	1,000	4,910	4,670	4,910	736	916	419	401
29	3,760	2,960	800	1,000	------	4,440	4,320	4,320	636	752	3,010	383
30	3,160	3,160	800	1,100	------	4,090	3,870	3,660	560	643	5,160	377
31	2,780	------	850	1,200	------	3,760	------	2,960	------	657	5,280	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	4,790	1,030	2,210	2.08	2.40
November	7,250	1,890	3,780	3.57	3.98
December	3,160	800	1,180	1.11	1.28
January	1,400	600	845	.797	.92
February	1,100	750	936	.883	.92
March	13,900	900	4,870	4.59	5.29
April	6,070	3,450	4,450	4.20	4.69
May	5,280	1,620	3,540	3.34	3.85
June	2,440	560	1,060	1.00	1.12
July	1,820	317	689	.650	.75
August	5,280	255	991	.935	1.08
September	4,910	377	1,330	1.25	1.40
The year	13,900	255	2,160	2.04	27.68

GLENS FALLS FEEDER AT GLENS FALLS, N. Y.

LOCATION.—Slope station at upper end of feeder canal at Glens Falls, Warren County. Three water-stage recorders determine slope from point of diversion from Hudson River at feeder dam to a point near first lock (No. 13) below.

RECORDS AVAILABLE.—May 6 to September 30, 1927. Discharge measurements only from 1895 to 1918.

REMARKS.—Daily discharge determined by use of Chezy formula, variations in coefficient "C" throughout the season being computed from current-meter measurements. Records generally good except those for September 9 and 25–30, which are fair. Spillways automatically divert excess flow between gages; also some leakage. Flow regulated by demands of Champlain Canal and for floating logs.

Daily and monthly discharge, in second-feet, 1926–27

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1	------	152	216	216	207	16	185	218	190	217	209
2	------	167	211	213	217	17	199	220	179	223	203
3	------	164	201	215	218	18	196	195	175	231	192
4	------	189	203	223	216	19	193	213	206	235	198
5	------	178	206	225	215	20	188	224	207	234	204
6	259	189	204	223	219	21	191	222	220	232	205
7	243	200	204	216	220	22	168	209	217	214	204
8	216	217	226	220	215	23	173	202	214	216	207
9	179	223	205	224	216	24	169	199	212	217	206
10	184	218	211	226	216	25	176	199	204	218	188
11	159	22.	208	226	221	26	161	185	220	217	178
12	181	211	208	220	224	27	172	213	214	212	187
13	186	219	207	225	220	28	175	218	216	119	188
14	178	219	205	226	218	29	182	206	218	220	175
15	161	217	194	222	212	30	172	219	218	215	184
						31	156	------	222	217	------

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
May 6–31	259	156	185	August	235	212	221
June	224	152	204	September	224	175	206
July	226	175	208				

BATTEN KILL AT BATTENVILLE, N. Y.

LOCATION.—Water-stage recorder 1 mile southwest of Battenville, Washington County, 2½ miles below Whitaker Brook and 11 miles above mouth.

DRAINAGE AREA.—397 square miles.

RECORDS AVAILABLE.—October, 1922, to September, 1927.

EXTREMES.—Maximum discharge during year, 4,340 second-feet March 19 (gage height, 7.1 feet); minimum, 36 second-feet August 24 (gage height, 1.77 feet).

1922–1927: Maximum discharge, 7,350 second-feet February 12, 1925 (gage height, 9.5 feet); minimum, that of August 24, 1927.

REMARKS.—Records good except those for periods of ice effect, December 3 to February 17, February 22 and 23, which are fair, and those for period during which well intake was partly plugged, April 17 to June 23, which are somewhat uncertain.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	202	1,480	920	300	1,100	542	920	530	596	211	315	165
2	192	1,230	850	280	900	514	885	524	566	179	286	172
3	218	1,110	600	260	800	480	815	548	530	162	227	245
4	215	958	550	260	700	514	780	530	480	195	191	219
5	191	885	500	280	650	464	767	542	530	211	146	183
6	292	815	480	280	600	470	780	602	676	169	147	144
7	614	754	460	280	550	480	815	548	590	158	133	124
8	470	715	460	260	550	1,820	815	497	458	165	158	133
9	382	757	440	260	500	2,240	754	458	404	169	217	112
10	330	1,770	420	260	500	1,700	708	464	376	147	277	111
11	310	1,780	440	240	460	1,570	670	602	470	165	219	92
12	296	1,350	480	240	440	1,660	663	702	436	172	165	194
13	277	1,190	500	220	440	1,910	676	620	365	161	144	160
14	423	1,070	550	240	420	3,150	663	566	345	140	133	140
15	443	958	500	260	420	3,980	632	542	335	159	140	122
16	355	962	460	260	440	3,620	626	780	345	431	146	176
17	335	2,030	440	240	440	3,050	715	1,030	286	378	136	158
18	526	1,570	400	260	530	2,910	885	995	258	371	122	116
19	486	1,640	380	280	572	4,000	1,070	920	254	422	124	141
20	448	1,620	360	500	453	3,860	1,070	885	272	281	125	158
21	475	1,350	360	800	409	3,050	920	815	258	227	115	138
22	486	1,190	380	1,200	400	3,050	995	754	223	191	120	103
23	480	1,070	360	1,400	420	2,420	1,150	702	219	169	108	122
24	519	958	340	1,200	536	1,980	885	780	215	184	102	109
25	1,350	885	360	1,000	638	1,700	708	995	195	179	122	105
26	2,520	815	360	850	754	1,480	638	995	192	185	105	108
27	1,840	1,050	340	600	689	1,350	644	850	272	161	114	106
28	1,190	1,050	360	500	590	1,230	663	850	227	154	117	100
29	920	885	340	850	-------	1,110	620	760	219	183	154	95
30	815	920	340	1,300	-------	1,030	548	656	219	176	125	94
31	1,010	-------	320	1,600	-------	995	-------	626	-------	154	207	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	2,520	191	600	1.51	1.74
November	2,030	715	1,160	2.92	3.26
December	920	320	453	1.14	1.31
January	1,600	220	541	1.36	1.57
February	1,100	400	568	1.43	1.49
March	4,000	464	1,880	4.74	5.46
April	1,150	548	783	1.97	2.20
May	1,030	458	699	1.76	2.03
June	676	192	360	.907	1.01
July	431	140	207	.521	.60
August	315	102	159	.401	.46
September	245	92	138	.348	.39
The year	4,000	92	630	1.59	21.52

HOOSIC RIVER NEAR EAGLE BRIDGE, N. Y.

LOCATION.—Water-stage recorder half a mile below mouth of Walloomsac River and 1½ miles southeast of Eagle Bridge, Rensselaer County.

DRAINAGE AREA.—512 square miles.

RECORDS AVAILABLE.—August, 1910, to March, 1922; July, 1923, to September 1927.

EXTREMES.—Maximum discharge during year, 7,350 second-feet March 15 (gage height, 9.5 feet); minimum, 71 second-feet October 2 (gage height, 2.18 feet).

1910–1927: Maximum discharge, about 16,700 second-feet July 9, 1915 (gage height, 13.5 feet); possibly higher stages prior to August 17, 1914; practically no flow September 14, 1913 (gage height, 6.1 feet, old datum).

REMARKS.—Records excellent except those for periods of ice effect, December 4 to February 11 and February 15 and 22, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	151	1,600	1,330	340	1,500	699	1,220	565	890	334	659	362
2	138	1,140	1,070	320	1,200	632	1,100	636	760	275	460	444
3	162	995	730	300	1,000	599	1,030	638	664	263	421	536
4	186	858	650	300	950	608	1,030	586	585	290	390	384
5	176	760	600	320	850	602	995	582	693	272	268	294
6	418	670	550	340	750	536	1,060	578	1,070	237	240	247
7	846	607	550	340	700	689	1,140	505	730	234	220	222
8	443	640	550	320	700	4,000	995	435	612	218	256	205
9	295	563	500	300	650	2,880	890	496	541	226	464	208
10	227	2,120	500	300	600	2,000	890	489	524	205	450	170
11	286	1,660	550	280	550	1,900	890	936	1,270	205	319	322
12	261	1,140	550	280	568	2,140	858	825	760	265	269	712
13	250	925	600	300	536	3,220	890	730	608	432	222	376
14	385	858	650	300	528	5,990	858	658	520	302	200	294
15	346	858	600	320	500	6,460	760	676	482	390	231	266
16	268	902	550	300	505	4,710	792	995	515	1,140	240	269
17	292	2,980	480	280	511	3,880	925	1,330	437	749	230	195
18	620	1,720	420	300	723	4,560	995	1,060	389	667	204	144
19	456	2,200	400	320	810	6,290	995	925	318	490	220	213
20	406	1,900	400	550	532	4,150	995	858	384	380	230	247
21	482	1,460	420	1,000	472	4,290	890	760	340	327	173	206
22	462	1,300	440	1,500	500	4,010	1,080	682	291	312	203	177
23	469	1,100	420	1,700	591	2,720	1,420	700	323	290	212	164
24	478	1,030	400	1,500	852	2,240	1,100	1,120	308	346	187	155
25	2,450	890	440	1,300	1,100	1,900	960	1,500	280	384	182	125
26	2,490	925	420	1,100	1,230	1,680	858	1,590	431	312	177	133
27	1,280	1,850	400	850	917	1,540	858	1,720	647	286	160	159
28	925	1,510	400	800	800	1,500	792	1,540	408	263	173	151
29	760	1,220	380	1,100	------	1,380	700	1,220	384	297	295	136
30	658	1,290	380	1,700	------	1,260	610	1,030	371	276	418	127
31	1,090	------	360	1,900	------	1,260	------	925	------	230	344	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	2,490	138	586	1.14	1.31
November	2,980	563	1,260	2.46	2.74
December	1,330	360	538	1.05	1.21
January	1,900	280	673	1.31	1.51
February	1,500	472	754	1.47	1.53
March	6,460	536	2,590	5.06	5.83
April	1,420	610	953	1.86	2.08
May	1,720	435	880	1.72	1.98
June	1,270	280	551	1.08	1.20
July	1,140	205	352	.688	.79
August	659	160	278	.543	.63
September	712	125	255	.498	.56
The year	6,460	125	807	1.58	21.37

MOHAWK RIVER AT COHOES, N. Y.

LOCATION.—Water-stage recorder 50 feet below School Street plant of Cohoes Power & Light Corporation at Cohoes, Albany County.

DRAINAGE AREA.—3,500 square miles.

RECORDS AVAILABLE.—October, 1925, to September, 1927, at present location. From December, 1917, to July, 1925, at Crescent Dam, 2 miles upstream. From July to October, 1925, records of discharge were determined from gage heights above Cohoes Power & Light Corporation dam in conjunction with operating records at School Street plant. These records are directly comparable with records at present location.

EXTREMES.—Maximum discharge during year, 54,800 second-feet March 15 (gage height, 16.8 feet); minimum, 35 second-feet October 17 (gage height, 4.03 feet).

1925–1927: Maximum discharge, that of March 15, 1927; minimum, 31 second-feet September 19, 1926 (gage height, 3.97 feet).

REMARKS.—Records excellent except those for periods of ice effect, December 12 to January 10, January 15, and 18–21, or of no record, January 11–14, 16, 17, March 4 and 5, and those for extremely low stages, which are good. Diversions at Crescent Dam through Lock No. 6 for use in Barge Canal during navigation seasons and for municipal supply just above station, some of which is returned to river above measuring section. Considerable amount of water is received into Delta Reservoir from Black River Basin through Black River Canal (flowing south) and Lansing Kill, through feeders from the upper Chenango drainage area, and during navigation season from Oswego Basin through the summit level of the Barge Canal, which partly compensate for diversions. Flow partly regulated by storage reservoirs above station.

Daily discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,380	9,710	10,000	2,600	12,600	6,350	4,790	3,910	4,380	1,970	5,030	4,260
2	3,260	7,360	7,800	2,600	9,500	5,280	2,540	3,350	3,380	1,590	3,640	9,580
3	2,900	6,260	5,070	2,600	7,150	5,120	2,890	3,150	3,380	1,070	3,260	8,710
4	3,510	5,510	4,360	2,800	6,540	4,610	5,040	3,660	3,260	604	2,730	5,010
5	3,380	5,160	3,680	3,000	8,260	4,310	6,780	3,500	2,540	1,120	1,800	3,640
6	15,100	4,110	3,390	3,000	7,580	3,900	6,940	3,850	2,970	1,730	2,030	3,630
7	12,100	4,000	3,060	3,200	5,980	3,950	7,800	3,660	3,020	1,700	1,140	2,760
8	6,600	3,640	3,240	3,200	4,560	5,460	7,150	2,480	3,380	1,650	2,490	2,190
9	5,000	3,820	5,040	2,800	4,640	16,500	5,860	2,680	2,980	1,850	2,270	2,800
10	4,260	9,340	4,040	2,800	4,340	18,400	4,390	2,810	2,600	608	1,970	2,800
11	3,160	10,800	5,150	2,800	4,340	16,000	5,440	3,380	2,850	1,560	1,880	1,080
12	3,640	7,480	4,000	2,970	4,190	17,000	5,120	4,630	1,400	1,570	1,760	3,380
13	3,380	5,020	4,000	3,270	3,440	21,300	5,280	4,650	2,200	1,590	1,550	3,510
14	3,260	5,120	4,600	3,430	3,640	38,100	4,820	3,880	2,340	1,600	667	3,380
15	3,260	3,930	4,200	3,200	3,140	43,500	4,240	3,390	2,590	1,490	1,520	3,140
16	3,140	5,500	4,000	2,340	3,140	33,000	4,050	9,290	2,690	1,260	1,230	2,700
17	2,140	31,900	4,400	2,380	3,640	24,800	3,640	8,990	2,660	573	1,460	2,040
18	1,000	22,100	6,500	2,400	3,780	23,000	5,340	5,940	2,170	1,290	1,410	1,220
19	3,140	18,200	7,000	3,000	4,480	28,400	6,330	5,950	1,120	1,960	1,870	1,940
20	3,140	16,000	5,000	3,200	6,770	23,000	5,620	4,930	1,570	2,500	1,650	2,120
21	3,890	12,300	3,200	3,400	5,620	20,600	6,790	5,880	1,690	1,840	625	2,150
22	4,520	8,260	3,000	7,730	4,490	34,000	9,760	3,820	2,020	2,020	1,050	2,280
23	4,330	6,750	3,400	9,510	4,490	23,000	11,100	7,220	2,120	1,930	1,300	2,310
24	3,540	5,900	3,400	10,900	4,190	16,400	9,610	17,400	2,230	460	1,490	1,610
25	6,420	6,040	2,600	7,040	5,800	12,900	6,220	24,800	2,250	1,920	1,320	956
26	12,900	4,270	2,200	5,860	8,740	10,600	5,520	22,200	1,090	2,580	1,410	1,660
27	10,000	5,710	2,800	5,120	10,100	9,760	4,890	12,600	1,970	2,590	1,300	1,930
28	7,360	8,600	2,600	4,640	8,030	9,240	5,810	9,400	2,170	2,590	923	2,200
29	5,290	6,730	2,800	3,910	-------	8,740	5,510	6,290	2,310	2,100	7,570	2,380
30	5,240	7,300	3,000	4,190	-------	7,800	3,890	4,240	2,200	1,700	9,020	2,200
31	5,590	-------	3,200	9,660	-------	5,810	-------	3,910	-------	601	5,200	------

Monthly discharge of Mohawk River at Cohoes, N. Y., 1926–27

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	15,100	1,000	5,090	1.45	1.67
November	31,900	3,640	8,560	2.45	2.73
December	10,000	2,200	4,220	1.21	1.40
January	10,900	2,340	4,180	1.19	1.37
February	12,600	3,140	5,830	1.67	1.74
March	43,500	3,900	16,200	4.63	5.34
April	11,100	2,540	5,770	1.65	1.84
May	24,800	2,480	6,640	1.90	2.19
June	4,380	1,090	2,450	.700	.78
July	2,590	460	1,600	.457	.53
August	9,020	625	2,340	.669	.77
September	9,580	956	2,990	.854	.95
The year	43,500	460	5,490	1.57	21.31

Daily diversion, in second-feet, from Mohawk River through Barge Canal at Lock No. 6, at Crescent Dam, N. Y., 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	95	78	89				53	65	66	77	113	78
2	84	60	60				23	83	84	88	95	89
3	95	89	49				12	100	78	88	136	95
4	78	113	60				29	129	95	117	88	124
5	107	72	78				35	100	113	77	83	136
6	84	84	58				53	83	95	71	94	66
7	78	148	35				12	88	101	100	71	77
8	66	78	29				35	106	72	100	71	94
9	113	18	23				53	88	101	65	71	112
10	100	60	18				59	106	88	83	117	100
11	83	84	82				88	83	94	101	100	106
12	118	72	12				106	84	100	83	71	148
13	142	95	18				71	84	100	71	83	107
14	100	66	29				71	118	117	94	88	78
15	77	95	23	6	6	6	100	84	124	94	100	95
16	94	72	23				117	89	78	88	123	141
17	106	61	29				117	66	158	112	94	77
18	117	67	18				100	84	94	94	95	77
19	100	50	23				71	95	83	113	77	123
20	65	61	18				88	113	83	84	106	83
21	95	49	23				83	130	83	129	100	72
22	84	78	35				78	89	89	94	94	83
23	107	54	6				49	89	113	59	88	170
24	95	89	6				78	55	107	71	77	100
25	78	89	12				77	50	78	101	77	112
26	54	101	6				88	50	118	118	77	117
27	66	78	6				106	66	77	107	53	100
28	72	60	6				71	101	100	77	106	83
29	101	148	6		-------		94	113	106	83	107	106
30	136	84	6		-------		65	88	100	112	130	94
31	89	-------	6		-------	181	-------	118	-------	106	107	-------

WEST CANADA CREEK AT HINCKLEY, N. Y.

LOCATION.—Water-stage recorder 1 mile below Hinckley Dam at Hinckley, Oneida County, and 4 miles above Trenton Falls.

DRAINAGE AREA.—373 square miles.

RECORDS AVAILABLE.—June, 1919, to September, 1927.

EXTREMES.—Maximum discharge during year, 5,260 second-feet November 17 (gage height, 6.95 feet); minimum, 82 second-feet September 4 (gage height, 2.93 feet).

1919–1927: Maximum discharge, 10,800 second-feet April 12, 1922 (gage height, 8.93 feet); practically no flow August 31, 1924 (gage height, 2.50 feet).

REMARKS.—Records excellent. Flow regulated by storage in Hinckley Reservoir. Small diversion from Hinckley Reservior for Utica water supply.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	785	1,540	1,670	920	713	647	1,380	1,450	920	532	468	480
2	823	1,560	1,320	920	704	647	1,520	1,330	870	532	474	500
3	861	1,450	1,060	910	704	639	1,670	1,290	804	532	486	500
4	861	1,260	1,000	890	704	639	1,670	1,270	767	526	526	337
5	870	1,110	1,020	890	704	639	1,600	1,320	731	526	573	532
6	880	1,040	1,020	890	704	631	1,460	1,400	731	526	647	650
7	890	1,000	1,020	880	704	623	1,460	1,320	722	526	647	740
8	890	1,000	1,010	880	704	615	1,450	1,220	722	506	663	749
9	890	1,040	1,010	861	704	623	1,450	1,100	713	500	671	749
10	890	2,460	1,000	852	695	631	1,450	1,060	679	500	679	758
11	890	3,160	1,010	832	695	647	1,450	1,190	623	493	679	749
12	890	2,260	1,000	794	695	663	1,430	1,430	623	480	679	740
13	880	1,740	1,000	776	695	731	1,430	1,400	623	468	647	731
14	880	1,450	991	767	687	852	1,430	1,310	613	468	615	731
15	880	1,190	991	776	687	910	1,450	1,520	615	468	615	731
16	880	1,310	991	776	679	960	1,460	2,620	615	468	608	731
17	880	4,510	991	767	671	1,060	1,460	2,620	615	468	608	731
18	870	4,460	980	758	663	1,130	1,470	2,080	615	468	608	731
19	880	3,250	970	758	671	1,200	1,530	2,040	615	474	580	731
20	880	2,790	960	758	663	1,250	2,810	1,960	615	474	506	722
21	920	2,200	960	749	663	1,360	4,270	1,670	615	468	468	722
22	940	1,740	960	740	655	1,380	4,480	1,400	580	468	468	713
23	950	1,410	960	740	647	1,410	4,280	1,260	552	468	468	713
24	950	1,230	950	740	647	1,420	3,060	1,470	545	468	474	713
25	970	1,100	950	740	655	1,420	2,360	1,670	538	468	474	713
26	2,720	1,040	950	740	663	1,420	1,890	1,960	538	468	474	704
27	3,160	1,260	940	731	655	1,420	1,890	1,820	538	468	468	704
28	2,320	1,820	940	722	647	1,450	1,960	1,500	538	468	468	695
29	1,710	1,740	940	722	------	1,420	1,820	1,210	532	468	468	695
30	1,370	1,740	930	722	------	1,410	1,600	1,070	532	468	468	695
31	1,320	------	920	713	------	1,400	------	980	------	474	480	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	3,160	785	1,120	3.00	3.46
November	4,510	1,000	1,830	4.91	5.48
December	1,670	920	1,010	2.71	3.12
January	920	713	797	2.14	2.47
February	713	647	681	1.83	1.91
March	1,450	615	1,010	2.71	3.12
April	4,480	1,380	1,950	5.23	5.84
May	2,620	980	1,510	4.05	4.67
June	920	532	645	1.73	1.93
July	532	468	487	1.31	1.51
August	679	468	553	1.48	1.71
September	758	337	680	1.82	2.03
The year	4,510	337	1,020	2.73	37.25

NOTE.—Loss in storage in Hinckley Reservoir during year, 820,000,000 cubic feet. This is equivalent to a flow of 26.0 second-feet, 0.07 second-foot per square mile, or 0.95 inch run-off on drainage area.

WEST CANADA CREEK AT KAST BRIDGE, N. Y.

LOCATION.—Water-stage recorder 600 feet below highway bridge at Kast Bridge, Herkimer County, and 4 miles above mouth at Herkimer.

DRAINAGE AREA.—575 square miles.

RECORDS AVAILABLE.—May, 1905, to December, 1910; January, 1912, to December, 1913; October, 1920, to September, 1927.

EXTREMES.—Maximum discharge during year, 12,000 second-feet November 16 (gage height, 6.3 feet); minimum, 304 second-feet September 5 (gage height, 1.49 feet).

1920–1927: Maximum discharge, about 16,500 second-feet June 21, 1922 (gage height, 7.30 feet); minimum about 50 second-feet October 27, 1924 (gage height, 0.95 foot).

REMARKS.—Records good except those for periods of ice effect, December 4 to March 12, and of no record, October 3, 4, 10, March 13–31, and April 3–9, and 20, 21, which are fair. Diversions during navigation season through Ninemile feeder and Ninemile Creek into Barge Canal above station. Flow regulated by storage reservoirs, principally at Hinckley.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	954	2,220	2,220	1,000	1,200	750	1,860	1,740	1,180	650	949	792
2	1,490	2,150	1,720	1,000	1,100	750	1,870	1,610	1,040	657	684	1,510
3	1,300	2,060	1,270	1,000	1,100	750	2,200	1,490	1,040	663	606	1,020
4	1,170	1,730	1,200	1,000	1,100	750	2,200	1,520	1,050	616	619	723
5	1,490	1,540	1,200	1,000	1,100	750	2,000	1,600	1,080	632	638	601
6	3,200	1,390	1,100	1,000	1,000	750	1,900	1,680	1,090	629	703	715
7	1,580	1,380	1,100	1,000	950	800	1,900	1,580	987	675	724	878
8	1,380	1,320	1,100	950	900	1,700	1,700	1,420	932	713	789	845
9	1,200	1,930	1,100		850	1,300	1,700	1,420	953	611	836	867
10	1,120	3,050	1,100		850	1,100	1,740	1,370	972	605	792	854
11	1,200	3,600	1,100		800	1,000	1,740	1,640	921	582	761	1,130
12	1,140	2,840	1,200		800	1,100	1,700	1,730	764	570	767	919
13	1,170	2,200	1,200		800	1,200	1,740	1,760	880	540	786	892
14	1,070	1,780	1,200		800	1,500	1,710	1,600	814	563	768	874
15	1,090	1,530	1,100		800	1,900	1,700	2,160	840	557	769	887
16	1,080	4,050	1,100	1,000	800	2,400	1,680	3,150	791	759	737	869
17	1,060	5,480	1,100		800	2,200	1,740	3,370	775	581	714	869
18	1,130	5,350	1,100		850	2,800	1,810	2,940	750	905	683	820
19	1,140	4,740	1,100		850	5,500	1,740	2,460	783	602	667	853
20	1,170	3,480	1,100		800	5,000	2,360	2,650	806	544	649	824
21	1,420	2,840	1,100		800	3,720	4,480	2,200	770	552	531	820
22	1,410	2,280	1,100		800	3,040	5,440	2,100	795	562	584	815
23	1,600	1,910	1,100	1,100	800	2,020	5,440	2,290	855	666	520	813
24	1,320	1,670	1,100	1,000	900	2,020	3,960	2,740	726	831	514	771
25	2,160	1,420	1,100	900	1,000	1,780	2,840	2,940	694	712	494	794
26	2,680	1,680	1,100	900	900	1,750	2,280	2,840	823	614	519	796
27	3,600	2,460	1,100	850	850	1,750	2,200	2,560	709	592	591	763
28	2,840	2,080	1,100	850	800	1,850	2,370	2,010	687	579	614	772
29	2,110	2,180	1,100	950	-------	1,740	2,110	1,640	657	602	1,680	758
30	1,800	2,700	1,000	1,300	-------	1,790	1,920	1,370	653	567	1,130	780
31	2,330	-------	1,000	1,600	-------	2,000	-------	1,310	-------	1,380	1,160	-------

Monthly discharge of West Canada Creek at Kast Bridge, N. Y., 1926–27

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	3,600	954	1,590	2.77	3.19
November	5,480	1,320	2,500	4.35	4.85
December	2,220	1,000	1,170	2.03	2.34
January	1,600	850	1,010	1.76	2.03
February	1,200	800	896	1.56	1.62
March	5,500	750	1,850	3.22	3.71
April	5,440	1,680	2,330	4.05	4.52
May	3,370	1,310	2,030	3.53	4.07
June	1,180	653	861	1.50	1.67
July	1,380	540	655	1.14	1.31
August	1,680	494	741	1.29	1.49
September	1,510	601	854	1.49	1.66
The year	5,500	494	1,380	2.40	32.46

NOTE.—Discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin.

NINEMILE FEEDER NEAR HOLLAND PATENT, N. Y.

LOCATION.—Water-stage recorder at mouth of feeder, 4 miles east of Holland Patent, Oneida County, and 6 miles below intake.

RECORDS AVAILABLE.—June, 1919, to September, 1927, during navigation seasons.

REMARKS.—Records fair. Gage-height record incomplete or missing May 14, 18–20, June 9, 10, 23–30, and August 5; discharge estimated. No flow except on days for which discharge is given. Intake on West Canada Creek at Trenton Falls. Water used for navigation in Barge Canal.

Daily and monthly discharge, in second-feet, 1926–27

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1	0	29	24	30	29	16	28	26	28	26	0
2	0	29	25	26	35	17	27	26	28	26	0
3	0	29	26	26	0	18	30	26	32	26	0
4	0	29	25	26	0	19	26	26	26	26	0
5	0	30	25	26	0	20	28	26	26	26	0
6	0	29	25	26	0	21	25	26	26	26	0
7	0	28	27	26	0	22	28	29	26	26	0
8	0	27	26	27	0	23	35		31	25	0
9	0	27	25	27	0	24	26		32	24	0
10	0	27	25	27		25	0		29	24	0
11	0	27	25	26	0	26	0	26	27	24	0
12	0	26	24	26	0	27	0		27	25	0
13	0	26	26	26	0	28	0		26	26	0
14	23	26	26	26	0	29	0		26	36	0
15	29	26	30	26	0	30	13	25	26	31	0
						31	30	------	39	32	------

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
May 14–31	35	13	26.8	August	36	24	26.6
June	30	25	26.9	September 1–2	35	29	32.0
July	39	24	27.1				

FOX CREEK AT WEST BERNE, N. Y.

LOCATION.—Staff gage 500 feet above highway bridge in West Berne, Albany County, and 1¼ miles below mouth of Switz Kill.

DRAINAGE AREA.—66 square miles.

RECORDS AVAILABLE.—August, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, 2,230 second-feet March 13 (gage height, 5.9 feet); minimum, 1.7 second-feet August 22–27 (gage height, 1.42 feet).

1924–1927: Maximum discharge, 2,900 second-feet, revised, February 11, 1925 (gage height, 6.6 feet); minimum, 0.9 second-foot several times August 31 to September 4, 1926 (gage height, 1.40 feet).

REMARKS.—Records good except those for periods of ice effect, December 5 to January 21, January 25 to February 23, and March 1–6, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	20	31	12	130	55	142	29	71	9.2	6.2	249
2	2.9	25	25	11	130	50	132	27	60	9.2	5.8	1,020
3	2.4	16	22	11	110	48	117	29	51	8.2	5.8	554
4	2.4	15	20	13	100	46	103	27	51	8.2	5.4	510
5	2.9	14	19	13	70	48	99	25	56	8.2	5.4	485
6	11	16	19	12	60	55	108	23	60	7.2	4.6	462
7	8.6	14	19	11	55	66	156	21	57	6.2	4.6	395
8	6.1	14	20	11	44	187	127	18	51	6.2	4.6	288
9	4.9	16	20	11	42	395	94	18	49	6.2	4.6	142
10	2.9	71	19	11	40	350	78	27	46	6.2	3.9	86
11	2.0	66	19	11	36	288	67	43	41	6.7	3.9	170
12	2.0	52	20	11	34	567	67	37	33	8.2	3.9	127
13	2.9	31	20	11	32	1,450	67	33	27	6.2	3.9	74
14	6.6	25	22	14	30	1,600	67	42	21	5.8	2.9	64
15	5.3	28	20	13	30	1,220	54	49	20	5.4	2.6	60
16	4.2	436	18	11	36	930	49	43	18	4.6	2.6	54
17	4.2	660	17	11	40	640	82	38	17	4.6	2.1	49
18	4.2	389	16	10	55	810	92	33	15	3.9	2.1	46
19	8.6	156	15	12	70	780	60	33	15	3.2	2.1	43
20	8.6	137	15	17	55	510	51	27	15	2.6	2.1	38
21	8.6	106	15	36	50	575	46	24	15	2.6	1.9	31
22	8.6	86	15	216	55	585	72	23	13	5.4	1.7	27
23	8.6	71	14	288	60	395	86	65	15	5.4	1.7	27
24	7.6	66	13	185	127	269	72	665	15	6.2	1.7	27
25	6.6	57	14	110	122	216	57	510	18	6.2	1.7	25
26	16	56	16	60	92	185	51	418	21	5.4	1.7	23
27	12	82	15	42	78	170	47	288	18	4.6	1.7	17
28	11	64	14	50	67	170	46	185	14	5.4	10	15
29	12	42	14	65	------	170	38	170	13	6.2	430	15
30	12	33	13	130	------	142	31	132	10	7.2	190	14
31	14	------	13	190	------	142	------	101	------	6.2	122	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	16	2.4	6.90	0.105	0.12
November	630	14	95.5	1.45	1.62
December	31	13	17.8	.270	.31
January	288	10	51.9	.786	.91
February	130	30	66.1	1.00	1.04
March	1,600	46	423	6.41	7.39
April	156	31	78.6	1.19	1.33
May	665	18	103	1.56	1.80
June	71	10	30.9	.468	.52
July	9.2	2.6	6.03	.091	.10
August	430	1.7	27.2	.412	.48
September	1,020	14	171	2.59	2.89
The year	1,600	1.7	90.0	1.36	18.51

POESTEN KILL NEAR TROY, N. Y.

LOCATION.—Water-stage recorder 500 feet below bridge on Troy-Eagle Mills road 3 miles east of Troy, Rensselaer County, and 4½ miles above mouth.

DRAINAGE AREA.—88 square miles.

RECORDS AVAILABLE.—July 1923, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,950 second-feet March 14 (gage height, 4.95 feet); minimum, 5.0 second-feet August 22 (gage height, 0.93 foot).

1923–1927: Maximum discharge, about 3,280 second-feet February 12, 1925 (gage height, 6.2 feet); minimum, 4.5 second-feet July 23, 24, 1923 (gage height, 0.89 foot).

REMARKS.—Records good except those for periods of ice effect, December 3 to January 29 and February 21, and of no record, January 31 to February 19 and September 29–30, which are fair. Practically entire low-water flow of Quaken Kill (about 5 second-feet) diverted for municipal uses above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	332	165	32		134	130	49	102	13	24	55
2	23	241	116	28		114	120	47	82	9.3	18	73
3	26	184	85	26		99	113	62	67	8.3	13	84
4	22	149	75	28		105	100	57	54	8.3	8.6	55
5	19	125	70	38		100	102	57	77	7.3	6.7	37
6	105	109	65	34		86	127	54	129	6.3	6.3	28
7	153	94	60	28		162	137	44	82	6.3	5.9	22
8	90	84	55	26		841	105	37	60	6.0	7.4	18
9	62	468	50	22		609	88	33	44	5.9	15	17
10	47	515	48	19	179	475	82	38	35	5.7	16	15
11	43	290	42	18		458	71	94	38	6.7	15	36
12	36	204	44	16		527	65	88	40	6.3	13	50
13	35	167	55	15		1,020	64	65	26	6.3	13	31
14	88	147	100	18		1,630	58	54	21	8.6	12	24
15	67	137	90	18		1,340	54	71	19	20	13	26
16	50	632	80	16		834	50	111	21	40	13	22
17	83	500	70	15		640	52	109	21	41	12	20
18	107	492	65	15		691	55	92	19	48	12	18
19	92	520	60	75	127	815	50	73	19	34	13	17
20	90	341	55	180	116	5.0	49	64	21	19	9.0	18
21	125	248	60	340	110	751	44	62	19	13	5.6	16
22	105	201	55	550	100	826	88	54	17	9.0	6.6	15
23	96	176	55	420	108	505	170	57	16	12	9.8	14
24	111	157	50	360	207	382	144	373	14	30	9.8	14
25	455	144	55	300	241	294	109	395	19	28	9.3	17
26	270	280	55	260	310	244	96	324	59	23	9.0	22
27	176	241	48	190	208	220	78	395	65	21	14	22
28	137	187	44	220	152	195	73	290	38	19	35	21
29	111	204	42	480	------	173	62	195	21	15	168	21
30	105	220	38	662	------	147	54	144	15	13	159	20
31	389	------	32	618	------	142	------	118	------	11	80	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	455	19	108	1.23	1.42
November	632	84	260	2.95	3.29
December	165	32	64.0	.727	.84
January	662	15	163	1.85	2.13
February	310	100	169	1.92	2.00
March	1,630	86	488	5.55	6.40
April	170	44	86.3	.981	1.09
May	395	35	120	1.36	1.57
June	129	14	42.0	.477	.53
July	48	5.7	16.1	.183	.21
August	168	5.6	24.3	.276	.32
September	94	14	28.3	.322	.36
The year	1,630	5.6	131	1.49	20.16

RONDOUT CREEK AT ROSENDALE, N. Y.

LOCATION.—Water-stage recorder 150 feet above highway bridge in Rosendale, Ulster County, and 3 miles above junction with Wallkill River.

DRAINAGE AREA.—386 square miles.

RECORDS AVAILABLE.—July, 1901, to November, 1903; January, 1906, to December, 1913; August, 1926, to September, 1927.

EXTREMES.—1926–27: Maximum discharge, 10,400 second-feet November 7, 1926 (gage height, 11.3 feet); minimum, 30 second-feet July 21, 1927 (gage height, 1.60 feet).

REMARKS.—Records good except those for period of ice effect, December 5 to February 25, and those for extremely low stages, which are fair.

Daily discharge, in second-feet, 1926–27

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1926			1926			1926		
1		283	11	185	295	21	599	185
2		253	12	150	258	22	480	183
3	278	239	13	178	230	23	842	167
4	386	222	14	278	244	24	842	181
5	386	218	15	283	229	25	700	213
6	213	677	16	363	221	26	634	197
7	217	812	17	2,810	213	27	536	230
8	164	501	18	1,370	205	28	459	209
9	164	393	19	1,330	161	29	400	239
10	161	356	20	828	178	30	374	253
						31	326	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926–27												
1	221	1,370	888	420	1,100	948	805	583	858	283	538	3,130
2	205	955	745	420	1,200	820	760	470	662	278	577	7,880
3	189	984	571	380	1,700	865	708	494	564	226	522	3,540
4	174	752	592	400	2,400	805	678	501	543	226	389	1,840
5	193	662	550	480	1,800	662	662	494	722	205	309	1,260
6	518	627	500	440	1,600	662	858	473	648	179	221	955
7	600	557	480	380	1,500	634	992	419	564	190	217	790
8	386	522	460	320	1,400	1,960	805	362	459	167	156	662
9	278	627	460	280	1,300	2,900	678	344	406	170	628	613
10	249	2,420	480	240	1,200	2,290	585	508	362	160	482	501
11	258	1,400	500	220	1,300	2,340	592	2,380	374	128	309	494
12	304	1,030	500	200	1,200	2,800	564	1,220	367	175	283	627
13	262	850	550	200	1,100	3,920	529	918	292	165	230	480
14	294	745	650	220	1,000	5,910	515	782	340	160	436	426
15	305	790	700	240	1,100	5,670	487	1,110	368	149	784	374
16	267	2,290	600	220	1,200	4,380	481	1,180	338	139	609	380
17	244	6,950	500	190	1,400	3,510	419	895	283	137	466	356
18	253	3,150	460	220	1,800	3,390	380	782	278	129	400	320
19	288	2,560	400	400	2,600	3,150	466	725	236	130	578	363
20	338	1,700	440	600	1,700	2,400	406	790	435	124	426	650
21	599	1,290	500	1,000	1,200	3,560	445	637	406	130	362	445
22	543	1,100	500	1,600	1,300	3,510	772	550	309	133	272	380
23	438	992	460	3,000	1,100	2,240	1,070	536	294	167	320	320
24	400	918	380	2,200	1,200	1,700	738	3,330	283	452	338	294
25	1,960	805	400	1,700	1,700	1,370	634	4,300	267	214	326	309
26	1,600	782	340	1,400	1,800	1,140	571	3,110	383	168	294	226
27	1,070	1,390	320	1,200	1,330	1,100	700	1,900	504	164	597	267
28	872	940	340	1,000	1,070	1,100	895	1,410	338	153	1,380	253
29	752	768	400	900		902	738	1,100	294	206	3,160	253
30	685	872	500	900		880	606	858	267	338	1,790	239
31	988		460	1,000		925		738		315	1,180	

Monthly discharge of Rondout Creek at Rosendale, N. Y., 1926–27

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1926					
August 3-31	2,810	150	550	1.42	1.53
September	812	161	275	.712	.79
1926–27					
October	1,960	174	508	1.32	1.52
November	6,950	522	1,360	3.52	3.93
December	888	320	504	1.31	1.51
January	3,000	190	722	1.87	2.16
February	2,600	1,000	1,440	3.73	3.88
March	5,910	634	2,210	5.73	6.61
April	1,070	380	651	1.69	1.89
May	4,300	344	1,090	2.82	3.25
June	858	236	415	1.08	1.20
July	452	124	192	.497	.57
August	3,160	156	599	1.55	1.79
September	7,880	226	954	2.47	2.76
The year	7,880	124	883	2.29	31.07

WALLKILL RIVER AT PELLETS ISLAND MOUNTAIN, N. Y.

LOCATION.—Chain gage at highway bridge in Pellets Island Mountain, Orange County, and 9½ miles below mouth of Pochuck Creek.

DRAINAGE AREA.—385 square miles.

RECORDS AVAILABLE.—December, 1919, to September, 1927.

EXTREMES.—Maximum discharge during year, 4,340 second-feet September 3 (gage height, 10.6 feet); minimum (estimated), 60 second-feet July 16.

1920–1927: Maximum discharge, 8,350 second-feet March 16, 1920 (gage height, 20.7 feet); minimum, 17 second-feet August 11 and 12, 1926 (gage height, 2.30 feet).

REMARKS.—Records fair. Flow regulated by natural storage in swamps. Discharge estimated December 4–12, 18, 19, 25, 26, January 3–18, and January 25 to February 24 because of ice effect, and October 7, 10–15, July 2–16, 24–30, and August 23 because of unreliable gage readings.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	170	606	810	300	800	2,080	765	531	725	117	346	2,610
2	170	568	606	258	850	1,900	685	460	645	110	495	3,780
3	158	531	568	240	900	1,720	645	393	568	90	568	4,340
4	123	495	500	260	1,300	1,480	606	361	460	85	568	4,020
5	123	393	460	260	1,200	1,230	645	361	426	90	531	3,700
6	170	330	400	280	1,100	1,080	645	346	393	90	330	2,960
7	360	272	360	240	1,000	1,040	645	300	361	90	272	2,330
8	286	245	340	220	950	1,540	568	286	286	80	219	2,020
9	219	286	360	200	900	2,080	495	286	245	75	215	1,600
10	170	460	360	180	850	2,260	377	765	194	70	219	1,280
11	170	606	360	170	950	2,140	300	1,040	194	75	182	1,130
12	158	645	380	150	900	2,080	272	1,080	194	95	147	990
13	147	606	393	130	850	1,960	258	1,040	170	80	125	855
14	136	531	426	140	800	2,080	232	945	158	70	105	765
15	147	495	460	150	800	2,080	219	990	170	65	685	685
16	103	531	426	130	850	2,020	219	900	147	60	810	568
17	94	1,080	393	120	1,100	1,840	219	900	125	67	725	495
18	99	1,330	360	130	1,400	1,600	206	810	113	111	645	393
19	113	1,540	320	194	1,300	1,480	219	685	136	123	645	377
20	125	1,600	300	330	1,200	1,540	219	765	194	107	606	460
21	300	1,480	330	531	1,100	1,660	206	568	245	97	531	460
22	361	1,380	315	990	1,000	1,960	232	495	272	92	460	377
23	346	1,180	286	1,280	1,100	1,720	568	460	182	117	400	315
24	346	1,040	272	1,380	1,300	1,480	531	645	170	130	393	245
25	460	900	260	1,300	1,660	1,280	460	1,330	147	200	272	194
26	765	810	240	1,200	2,080	1,180	426	1,480	170	220	245	170
27	765	855	232	1,000	2,140	1,130	460	1,480	182	150	300	158
28	645	855	219	750	2,140	1,040	685	1,230	194	140	990	158
29	606	810	232	650	-------	945	765	1,080	170	130	1,720	158
30	531	810	346	650	-------	855	606	945	136	120	2,080	147
31	495	-------	346	750	-------	810	-------	855	-------	232	2,260	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	765	94	286	0.743	0.86
November	1,600	245	776	2.02	2.25
December	810	219	376	.977	1.13
January	1,380	120	470	1.22	1.41
February	2,140	800	1,160	3.01	3.13
March	2,260	810	1,590	4.13	4.76
April	765	206	446	1.16	1.29
May	1,480	286	768	1.99	2.29
June	725	113	259	.673	.75
July	232	60	109	.283	.33
August	2,260	105	584	1.52	1 75
September	4,340	147	1,260	3.27	3.65
The year	4,340	60	669	1.74	23.60

WALLKILL RIVER AT GARDINER, N. Y.

LOCATION.—Water-stage recorder 500 feet below mouth of Shawangunk Kill and three-quarters of a mile northwest of Gardiner, Ulster County.

DRAINAGE AREA.—716 square miles.

RECORDS AVAILABLE.—September, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, 12,900 second-feet September 2 (gage height, 12.6 feet); minimum, 101 second-feet July 14 (gage height, 2.44 feet).

1924–1927: Maximum discharge, that of September 2, 1927; minimum, 26 second-feet July 26, 1926 (gage height, 1.95 feet).

REMARKS.—Records good except those for period of ice effect, December 5 to March 15, which are fair. Discharge estimated, October 23, 24, April 23, 24, July 2, 23, 24, and September 17 because of missing gage-height record.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	263	1,250	1,440	550	1,400	3,600	1,130	799	1,060	250	602	8,590
2	255	1,040	1,220	550	1,500	3,200	1,050	721	904	231	711	11,600
3	263	938	946	500	1,600	3,000	1,060	584	783	190	727	7,390
4	240	791	815	500	2,200	2,600	1,060	529	622	170	655	5,760
5	217	687	800	550	2,400	2,200	972	481	775	180	602	4,920
6	1,170	559	750	550	2,000	2,000	1,240	519	703	170	477	4,010
7	750	530	700	500	1,900	1,900	1,140	444	585	163	406	3,130
8	542	510	650	440	1,700	4,600	946	427	443	148	363	2,470
9	438	630	700	400	1,600	6,000	759	450	408	146	508	2,070
10	352	1,620	700	360	1,500	5,500	743	786	327	148	484	1,690
11	352	1,220	750	340	1,700	4,600	743	2,530	372	152	390	1,540
12	289	1,050	750	300	1,600	4,200	603	1,690	330	184	331	1,360
13	273	920	800	280	1,500	3,800	555	1,420	363	156	278	1,170
14	396	839	800	280	1,400	4,000	498	1,240	293	139	280	1,040
15	293	785	850	300	1,400	3,800	487	1,670	325	154	1,320	945
16	236	1,320	800	280	1,500	3,490	411	1,590	310	135	1,360	802
17	234	2,810	750	260	2,000	3,070	443	1,340	302	166	1,020	655
18	326	2,120	700	280	2,600	2,650	432	1,130	259	217	946	580
19	255	2,590	650	360	2,600	2,290	444	1,030	246	200	1,120	727
20	286	2,410	600	600	2,200	2,180	436	1,030	471	192	920	850
21	595	2,120	650	1,000	2,000	3,600	398	860	406	192	783	645
22	546	1,900	650	1,700	2,000	3,680	803	727	444	154	640	583
23	510	1,640	600	2,400	1,900	2,830	1,190	703	384	177	559	504
24	497	1,440	550	2,600	2,200	2,290	938	3,830	312	352	531	386
25	1,970	1,270	500	2,400	2,600	2,020	783	3,750	271	426	498	352
26	1,440	1,160	460	2,200	3,600	1,740	660	3,370	276	408	367	384
27	1,220	1,770	440	1,800	4,000	1,690	593	2,890	347	352	869	332
28	1,050	1,410	440	1,400	4,000	1,690	998	2,070	312	308	2,020	300
29	904	1,180	460	1,200	-------	1,490	1,080	1,640	288	257	4,290	296
30	807	1,300	650	1,200	-------	1,310	924	1,380	276	235	3,670	286
31	840	-------	650	1,400	-------	1,240	-------	1,200	-------	384	3,190	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,970	217	574	0.802	0.92
November	2,810	510	1,330	1.86	2.08
December	1,440	440	717	1.00	1.15
January	2,600	260	886	1.24	1.43
February	4,000	1,400	2,090	2.92	3.04
March	6,000	1,240	2,980	4.16	4.80
April	1,240	398	784	1.09	1.22
May	3,830	427	1,380	1.93	2.22
June	1,060	246	440	.615	.69
July	426	135	217	.303	.35
August	4,290	278	997	1.39	1.60
September	11,600	286	2,180	3.04	3.39
The year	11,600	135	1,210	1.69	22.89

SHAWANGUNK KILL AT PINE BUSH, N. Y.

LOCATION.—Staff gage at Hardenburg Bridge, half a mile northeast of Pine Bush, Orange County, and 5½ miles below Platte Kill.

DRAINAGE AREA.—103 square miles.

RECORDS AVAILABLE.—September, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, about 4,310 second-feet September 1 (gage height, 10.5 feet); minimum, 15 second-feet July 8 (gage height, 0.84 foot).

1924–1927: Maximum discharge, that of September 1, 1927; minimum, 7.5 second-feet July 27 and 28, 1926 (gage height, 0.70 foot).

REMARKS.—Records good except those for period of ice effect, December 5 to March 7, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	59	378	206	75	150	240	131	108	116	51	125	3,740
2	49	166	179	65	170	220	129	75	95	45	106	2,570
3	36	129	142	60	240	170	154	71	81	41	73	965
4	30	120	120	55	320	180	142	71	102	29	45	580
5	38	110	100	70	220	190	179	69	179	24	38	378
6	793	100	90	75	170	200	220	71	108	21	36	206
7	235	91	85	55	150	220	179	65	77	18	32	131
8	120	81	85	50	130	2,300	129	59	67	16	24	83
9	87	328	80	46	120	2,770	110	71	59	18	106	77
10	73	566	85	42	150	1,560	100	278	61	26	65	87
11	67	265	85	40	150	1,010	91	632	59	24	45	93
12	59	142	85	40	130	875	83	235	45	22	40	87
13	61	125	85	38	110	740	77	154	51	20	38	79
14	123	114	90	40	120	620	77	116	59	28	166	71
15	81	114	95	44	120	540	77	332	67	47	154	65
16	69	328	95	42	150	395	73	207	53	41	123	61
17	75	697	90	40	200	361	73	120	43	30	87	59
18	83	361	80	48	320	296	69	142	36	26	166	59
19	77	296	75	80	380	265	69	131	75	21	112	100
20	142	235	70	120	320	280	63	118	142	19	87	179
21	250	179	75	260	260	660	67	95	89	22	63	102
22	110	142	75	480	220	540	253	83	69	24	59	67
23	83	131	70	420	240	312	220	456	47	116	67	59
24	174	123	65	240	320	250	118	1,330	43	179	59	51
25	854	110	60	170	440	206	97	560	55	77	47	45
26	312	130	55	140	700	192	87	771	63	47	49	45
27	206	324	55	110	460	220	133	792	51	49	142	45
28	154	166	55	95	260	220	265	335	41	73	722	45
29	142	166	60	110	-------	179	220	179	45	32	1,360	43
30	123	154	70	120	-------	154	166	166	45	29	728	41
31	142	-------	75	140	-------	154	-------	131	-------	61	2,590	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	854	30	158	1.53	1.76
November	697	81	212	2.06	2.30
December	206	55	88.3	.857	.99
January	480	38	110	1.07	1.23
February	700	110	240	2.33	2.43
March	2,770	154	533	5.17	5.96
April	265	63	128	1.24	1.38
May	1,330	59	259	2.51	2.89
June	179	36	70.8	.687	.77
July	179	16	41.2	.400	.46
August	2,590	24	244	2.37	2.73
September	3,740	41	340	3.30	3.68
The year	3,740	16	202	1.96	26.58

HACKENSACK RIVER BASIN

HACKENSACK RIVER AT NEW MILFORD, N. J.

LOCATION.—Water-stage recorder at pumping plant of Hackensack Water Co., New Milford, Bergen County, 3½ miles below mouth of Dwars Kill.
DRAINAGE AREA.—113 square miles.
RECORDS AVAILABLE.—October, 1921, to September, 1927.
EXTREMES.—Maximum discharge, during year, about 4,000 second-feet September 2 (gage height, 4.58 feet).
1922–1927: Maximum discharge, that of September 2, 1927.
REMARKS.—Records good. Flow regulated by storage in Oradell Reservoir. Diversions for municipal use at New Milford. Record of diversions and part of equipment furnished by Hackensack Water Co. Discharge estimated because of missing gage-height record January 27, 28, and June 11–17.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	-------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

PASSAIC RIVER BASIN

PASSAIC RIVER NEAR MILLINGTON, N. J.

LOCATION.—Water-stage recorder at Davis Bridge, 1 mile above Millington, Somerset County, and 1½ miles below mouth of Black Brook.

DRAINAGE AREA.—55 square miles.

RECORDS AVAILABLE.—November, 1921, to September, 1927. At Millington, three-fourths mile downstream, November, 1903, to July, 1906.

EXTREMES.—Maximum discharge during year, 490 second-feet February 26 (gage height, 6.30 feet); minimum, 10 second-feet October 15 (gage height, 3.82 feet).

1903–1906, 1922–1927: Maximum discharge, 2,000 second-feet March 8, 1904 (gage height, 7.50 feet); minimum, 2.5 second-feet October 18, 1923.

REMARKS.—Records excellent. Discharge estimated because of ice December 5–8, 16–19, January 15–17, and because of missing gage-height record December 26–31.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	208	13	54.6	0.993	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

PASSAIC RIVER AT PATERSON, N. J.

LOCATION.—At hydroelectric power plant of The Society for Establishing Useful Manufactures in Paterson, Passaic County.
DRAINAGE AREA.—785 square miles.
RECORDS AVAILABLE.—January, 1898, to September, 1927.
REMARKS.—Flow regulated by storage in Newark and Jersey City Reservoirs and Greenwood Lake. Diversions for municipal uses above station. Base data furnished by John H. Cook, deputy governor, The Society for Establishing Useful Manufactures; Passaic Consolidated Water Co.; Newark waterworks; Jersey City waterworks; Commonwealth Water Co.; and East Orange waterworks. Daily discharge represents total flow above Great Falls.

Daily and monthly discharge, in second-feet, 1926-27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	1,751	1,328	1,888	1,095	621	1,132	191	1,661	4,332
7	235	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	3,262	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	------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

ROCKAWAY RIVER AT BOONTON, N. J.

LOCATION.—Water-stage recorder at dam of the Jersey City waterworks at Boonton, Morris County.
DRAINAGE AREA.—119 square miles.
RECORDS AVAILABLE.—January, 1906, to September, 1927.
REMARKS.—Records good. Flow is regulated by storage in reservoir. Water is diverted to Jersey City from reservoir one-fourth mile above gage. Daily-discharge table shows only flow over dam and through waste gates.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	.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	.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	.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	.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	.4	100	.4	53	34
23	80	357	59	371	166	302	177	.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	------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

WHIPPANY RIVER AT MORRISTOWN, N. J.

LOCATION.—Staff gage at Morristown sewage disposal plant, three-fourths of a mile below Morristown, Morris County, and 8 miles above mouth of river.

DRAINAGE AREA.—29 square miles.

RECORDS AVAILABLE.—August, 1921, to September, 1927.

EXTREMES.—Maximum discharge during year, 394 second-feet November 16 (gage height, 3.80 feet); minimum, 18 second-feet several times in October, July, and August (gage height, 1.00 foot).

1921–1927: Maximum discharge, about 940 second-feet April 7, 1924 (gage height, 6.50 feet); minimum, 6.3 second-feet October 5 and 7, 1921 (gage height, 0.80 foot).

REMARKS.—Records good. Discharge estimated because of ice December 6, 15–18, and January 10–12. Gage-height record furnished by commissioner of department of public works of Morristown.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

RAMAPO RIVER NEAR MAHWAH, N. J.

LOCATION.—Water-stage recorder at highway bridge 1 mile west of Mahwah, Bergen County, three-fourths mile below mouth of Mahwah River.

DRAINAGE AREA.—118 square miles.

RECORDS AVAILABLE.—February, 1903, to July, 1914; September, 1922, to September, 1927. Gage heights only 1907 to 1914.

EXTREMES.—Maximum discharge during year, about 2,760 second-feet September 2 (gage height, 8.23 feet); minimum, 21 second-feet July 10 and 11 (gage height, 1.82 feet).

1922–1927: Maximum discharge, that of September 2, 1927; minimum, 11 second-feet September 20, 1923 (gage height, 1.57 feet).

REMARKS.—Records good. Discharge estimated because of ice effect December 17–19 and January 9–12, and because of missing gage-height record October 16, 17, January 2, 16–18, April 11–16, 24, 25, May 17–20, and 23–25.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

RAMAPO RIVER AT POMPTON LAKES, N. J.

LOCATION.—Water-stage recorders at hydroelectric plant, borough of Pompton Lakes, Passaic County, 1½ miles above mouth of Ramapo River.

DRAINAGE AREA.—160 square miles.

RECORDS AVAILABLE.—October, 1921, to September, 1927.

EXTREMES.—Maximum discharge during year, about 7,220 second-feet (flow through turbines not included) September 2 (gage height, 2.68 feet).

1921–1927: Maximum discharge, that of September 2, 1927.

REMARKS.—Records good. Flow regulated by storage in pond. Daily discharge includes flow over spillway and through turbines. Flow over dam November 28–30, December 1–3, 5–8, 12, 13, 17–22, January 9–13, 16–18, February 6–8, 20–27, and March 13–18 estimated. Records of stage and gate openings furnished by Jersey Central Power & Light Co.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	141	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	0	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	0	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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

GREENWOOD LAKE AT THE GLENS, N. J.

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

DRAINAGE AREA.—27 square miles.

RECORDS AVAILABLE.—June, 1898, to November, 1903; June, 1907, to September, 1927.

EXTREMES.—Maximum stage during year, 100.8 feet November 19 and 20; minimum, 94.55 feet September 29 and 30.

1898–1903, 1907–1927: Maximum stage, approximately 104.0 feet October 9–14, 1903; minimum, 93.25 feet several days in November, 1900.

REMARKS.—Greenwood Lake Dam provides storage for Morris Canal. Navigation in canal was abandoned by act of State legislature March 13, 1924. Very little regulation of lake subsequent to this date. Records furnished by Morris Canal & Banking Co.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	100.28	100.15	100.15	100.2	100.5	100.1	100.45	100.0	99.7	99.95	98.65
13	99.7	100.3	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	-------

WANAQUE RIVER AT GREENWOOD LAKE, N. J.

LOCATION.—Water-stage recorder 600 feet downstream from dam at outlet of Greenwood Lake, at The Glens, Passaic County.

DRAINAGE AREA.—27 square miles.

RECORDS AVAILABLE.—May, 1919, to September, 1927.

EXTREMES.—Maximum discharge during year, 384 second-feet September 2 (gage height, 3.25 feet).

1919–1927: Maximum discharge, about 600 second-feet April 7, 1924 (gage height, 3.72 feet); minimum stage occurs at times gates at Greenwood Lake are closed and no water is passing over spillway.

REMARKS.—Records good. Flow regulated by storage in lake. Water-stage recorder operated by North Jersey District Water Supply Commission. See record of Greenwood Lake at The Glens.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	230
12	5.9	58	39	28	44	103	30	98	25	9.1	19	230
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	14	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	.5
30	36	70	39	55	-------	62	38	70	14	25	224	.5
31	41	-------	38	55	-------	62	-------	62	-------	28	206	-------

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
October	41	5.6	15.8	May	103	27	64.6
November	181	32	79.6	June	58	14	25.6
December	70	24	39.5	July	31	9.1	15.2
January	80	25	42.1	August	224	17	79.3
February	116	42	65.1	September	384	.5	231
March	116	62	91.5				
April	55	20	35.1	The year	384	.5	65.1

WANAQUE RIVER AT WANAQUE, N. J.

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

DRAINAGE AREA.—91 square miles.

RECORDS AVAILABLE.—December, 1903, to December, 1905; May, 1912, to May, 1915; May, 1919, to September, 1927.

EXTREMES.—Maximum discharge during year, about 3,390 second-feet September 2 (gage height, 6.90 feet); minimum, 14 second-feet October 20 (gage height, 0.43 foot).

1903–1905, 1912–1915, 1919–1927: Maximum stage, 8.35 feet July 22 or 23, 1919 (discharge not determined); minimum discharge, 1.4 second-feet October 8, 1923 (gage height, 0.18 foot).

REMARKS.—Records good. Flow regulated by storage at Greenwood Lake. Discharge estimated March 19 to April 1. Water-stage recorder operated by North Jersey District Water Supply Commission.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	162	266	149	173	329	170	131	210	63	124	849
2	36	141	238	128	170	305	167	121	178	58	159	2,720
3	35	128	189	134	184	252	167	114	149	54	114	1,340
4	32	114	173	128	224	224	162	111	138	54	91	945
5	31	104	118	144	178	224	146	111	151	48	80	730
6	39	100	159	136	170	210	164	109	141	46	78	580
7	44	98	164	116	164	224	154	102	124	46	68	478
8	35	93	170	116	157	305	136	95	111	45	108	510
9	30	141	159	102	141	382	118	126	104	40	252	478
10	28	444	154	93	151	354	114	252	91	39	114	444
11	28	305	144	78	181	329	107	365	86	39	84	412
12	28	252	136	80	141	329	93	305	80	38	70	412
13	28	224	131	78	131	354	91	279	63	37	63	382
14	29	195	144	88	128	382	88	252	68	35	108	382
15	29	181	146	95	136	354	84	367	80	36	596	354
16	25	305	118	91	144	329	80	329	72	36	292	354
17	52	730	111	98	189	305	82	279	64	48	224	354
18	66	478	95	124	266	292	82	252	61	63	224	329
19	63	545	93	136	292	300	80	238	74	44	266	354
20	59	444	93	173	252	300	78	224	107	38	195	354
21	109	382	100	210	279	320	76	195	88	35	170	329
22	68	650	102	252	252	360	114	181	76	35	149	305
23	58	292	91	305	238	340	167	170	70	204	154	305
24	52	266	80	279	266	300	131	279	72	219	305	292
25	690	238	88	238	305	280	114	354	68	121	279	292
26	292	224	107	210	545	260	107	382	86	98	279	279
27	195	305	107	192	444	260	116	329	84	100	479	227
28	149	266	126	187	354	260	195	279	68	88	615	63
29	134	224	238	184	------	220	151	252	63	68	1,200	54
30	121	252	181	187	------	200	138	238	63	63	861	48
31	126	------	149	184	------	180	------	224	------	91	510	------

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
October	690	25	88.6	May	382	95	227
November	730	93	276	June	210	61	96.3
December	266	80	141	July	219	35	65.5
January	305	78	152	August	1,200	63	268
February	545	128	223	September	2,720	48	498
March	382	180	292				
April	195	76	122	The year	2,720	25	204

PEQUANNOCK RIVER AT MACOPIN INTAKE DAM, N. J.

LOCATION.—Water-stage recorder at Macopin intake dam of Newark waterworks 3 miles above Butler, Morris County.
DRAINAGE AREA.—63.7 square miles.
RECORDS AVAILABLE.—January, 1892, to September, 1927.
REMARKS.—Daily discharge tables indicate flow over dam only. Water is diverted at intake dam only. Flow regulated by several reservoirs. Station operated and base data furnished by Bureau of Water, city of Newark.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	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	.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	6	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	------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage and diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

SADDLE RIVER AT LODI, N. J.

LOCATION.—Water-stage recorder at highway bridge, 1 mile above Lodi, Bergen County, and 2¾ miles above mouth of river.
DRAINAGE AREA.—55 square miles.
RECORDS AVAILABLE.—September, 1923, to September, 1927.
EXTREMES.—Maximum discharge during year, about 1,630 second-feet September 2 (gage height, 6.82 feet); minimum, 10 second-feet October 15 (gage height, 1.53 feet).
1923–1927: Maximum discharge, that of September 2, 1927; minimum, 5.3 second-feet November 22, 1923 (gage height, 1.49 feet).
REMARKS.—Records good. Discharge December 5–7, 16–21, 26, 27, and January 7–19 affected by ice.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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	154	2.80	3.23
September	1,160	68	187	3.40	3.79
The year	1,160	23	101	1.84	24.87

ELIZABETH RIVER BASIN

ELIZABETH RIVER AT ELIZABETH, N. J.

LOCATION.—Water-stage recorder just above Westfield Avenue Bridge in Elizabeth, Union County, and 2½ miles above mouth.
DRAINAGE AREA.—20 square miles.
RECORDS AVAILABLE.—October, 1921, to September, 1927.
EXTREMES.—Maximum discharge during year, about 2,640 second-feet September 1 (gage height, 9.71 feet).
1921–1927: Maximum discharge, that of September 1, 1927.
REMARKS.—Records good. Diversions aggregating about 8 second-feet above station by Elizabethtown Water Co. Discharge estimated January 16, 17, August 2–5, 10–12, and September 2.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	7.0	13	11	11	15	8.4	51	30	20
17	41	41	7.4	9.0	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	------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
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	.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
Thyear	629	.6	29.4	37.6	1.88	25.50

RAHWAY RIVER BASIN

RAHWAY RIVER AT RAHWAY, N. J.

LOCATION.—Staff gage at Church Street Bridge in Rahway, Union County, half a mile above mouth of Robinsons Branch of Rahway River.

DRAINAGE AREA.—41 square miles.

RECORDS AVAILABLE.—July, 1908, to April, 1915; October, 1921, to September, 1927.

EXTREMES.—Maximum discharge during year, about 1,740 second-feet August 2 (gage height, 6.00 feet); minimum, 8 second-feet July 15 (gage height, 0.65 foot).

1908–1915, 1921–1927: Maximum discharge, that of August 2, 1927; minimum stage, 0.00 foot December 1, 1912 (discharge not determined).

REMARKS.—Records good. Diversions aggregating about 17 second-feet made above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

RARITAN RIVER BASIN

SOUTH BRANCH OF RARITAN RIVER NEAR HIGH BRIDGE, N. J.

LOCATION.—Water-stage recorder 1 mile above High Bridge, Hunterdon County, and 4 miles above mouth of Spruce Run.

DRAINAGE AREA.—65 square miles.

RECORDS AVAILABLE.—February, 1919, to September, 1927.

EXTREMES.—Maximum discharge during year, 910 second-feet August 1 (gage height, 8.25 feet); minimum, 35 second-feet June 30 (gage height, 5.20 feet).

1919–1927: Maximum discharge, about 3,600 second-feet February 2, 1922 (gage height, 10.97 feet); minimum, 9 second-feet October 3, 1921 (gage height, 4.80 feet).

REMARKS.—Records good. Discharge affected by ice December 6–11, 17–24, January 8–20. Estimated July 17–22 and September 17–23. Equipment furnished and operated by Taylor-Wharton Iron & Steel Co.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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	99	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

SOUTH BRANCH OF RARITAN RIVER AT STANTON, N. J.

LOCATION.—Water-stage recorder at highway bridge near railroad station in Stanton, Hunterdon County, and half a mile above mouth of Prescott Brook.

DRAINAGE AREA.—147 square miles.

RECORDS AVAILABLE.—July, 1903, to December, 1906; July, 1919, to September, 1927.

EXTREMES.—Maximum discharge during year, about 2,590 second-feet February 26 (gage height, 6.60 feet); minimum, 55 second-feet July 7 (gage height, 2.18 feet).

1903–1906, 1919–1927: Maximum stage, 10.5 feet October 9, 1903 (discharge, not determined); minimum, about 21 second-feet, October 1, 1925 (gage height, 1.76 feet).

REMARKS.—Records good. Discharge estimated because of ice effect December 6–12, 17–25, January 8–22, 29, and because of missing gage-height record February 18–21 and September 1–9.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	118	331	331	289	289	345	190	145	192	97	690	800
2	106	239	277	257	289	307	205	159	184	91	795	700
3	98	214	228	254	307	271	211	148	154	87	257	500
4	96	198	239	338	345	254	202	154	168	83	190	380
5	93	182	209	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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,150	93	193	1.31	1.51
November	1,070	172	383	2.61	2.91
December	896	170	293	1.99	2.29
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	254	1.73	23.48

RARITAN RIVER AT MANVILLE, N. J.

LOCATION.—Water-stage recorder at highway bridge between Manville and Finderne, Somerset County, 1¼ miles above mouth of Millstone River.

DRAINAGE AREA.—490 square miles.

RECORDS AVAILABLE.—June, 1903, to March, 1907; August, 1908, to April, 1915; August, 1921, to September, 1927.

EXTREMES.—Maximum discharge during year, about 13,800 second-feet August 1 (gage height, 12.60 feet); minimum, about 119 second-feet July 15 (gage height, 3.57 feet).

1903–1907, 1921–1927: Maximum discharge, about 25,000 second-feet October 10, 1903 (gage height, 15.9 feet); minimum, about 36 second-feet September 19, 1923 (gage height, 3.24 feet).

REMARKS.—Records fair. About 2 second-feet diverted above station. Discharge affected by ice December 15–20, January 9–11, 17–19, 28, and 29.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	221	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	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

NORTH BRANCH OF RARITAN RIVER NEAR FAR HILLS, N. J.

LOCATION.—Water-stage recorder at dam of Somerset Lake & Game Club, 2 miles north of Far Hills, Somerset County, and 2 miles above mouth of Peapack Brook.

DRAINAGE AREA.—26 square miles.

RECORDS AVAILABLE.—February, 1922, to September, 1927.

EXTREMES.—Maximum discharge during year, about 857 second-feet July 23 (gage height, 3.62 feet); minimum, 15 second-feet July 14 (gage height, 2.00 feet).

1922–1927: Maximum stage (estimated), 5.1 feet March 7, 1922 (discharge not determined); minimum discharge, 4 second-feet August 27, 1923 (gage height, 1.79 feet).

REMARKS.—Records good. Daily-discharge table corrected for about 2 second-foot diversion above station. Discharge estimated January 17–19, 27, 28.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

NORTH BRANCH OF RARITAN RIVER AT MILLTOWN, N. J.

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

DRAINAGE AREA.—190 square miles.

RECORDS AVAILABLE.—June, 1923, to September, 1927.

EXTREMES.—Maximum stage during year, 7.27 feet August 1 (discharge, not determined); minimum discharge, 57 second-feet several days in July (gage height, 2.18 feet).

1922–1927: Maximum stage, 9.5 feet April 7, 1924 (discharge, not determined); minimum discharge, about 22 second-feet December 2, 1924 (gage height, 1.95 feet).

REMARKS.—Records good. Slight diurnal fluctuations due to small water powers upstream. Discharge affected by ice December 6–8 and January 7–18.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,240	63	174	0.916	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

BLACK RIVER NEAR POTTERSVILLE, N. J.

LOCATION.—Water-stage recorder 1 mile above highway bridge at Pottersville, Somerset County, and 8 miles above mouth of Rockaway Creek.

DRAINAGE AREA.—33 square miles.

RECORDS AVAILABLE.—June, 1922, to September, 1927; at Pottersville 1 mile downstream, November, 1921, to June, 1922.

EXTREMES.—Maximum discharge during year, about 515 second-feet July 23 (gage height, 3.15 feet); minimum, 15 second-feet June 10 (gage height, 1.12 feet).

1921–1927: Maximum discharge, about 880 second-feet July 1, 1922 (gage height, 3.76 feet); minimum, 4 second-feet August 4, 1924 (gage height, 0.79 foot).

REMARKS.—Records good. Discharge estimated because of ice December 5–10, 15, 24, 26–28, January 2, 3, 7–22, 26–28, and because of missing gage-height record November 29, 30, December 1–4, and 16–23.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	86	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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

MILLSTONE RIVER AT BLACKWELLS MILLS, N. J.

LOCATION.—Staff gage at highway bridge in Blackwells Mills, Somerset County, a quarter of a mile below mouth of Middlebrush Brook.

DRAINAGE AREA.—258 square miles.

RECORDS AVAILABLE.—August, 1921, to September, 1927. June 1903, to December, 1904, at Millstone 1¾ miles downstream.

EXTREMES.—Maximum stage during year, about 10.8 feet July 23 (discharge not determined); minimum discharge, 64 second-feet July 16 (gage height, 0.70 foot).

1921–1927: Maximum discharge, about 6,200 second-feet April 7, 1924, and September 7, 1926 (gage height, about 11.00 feet); minimum, about 5 second-feet September 16, 1923 (gage height, 0.00 foot).

REMARKS.—Records fair. Delaware & Raritan Canal parallels Raritan River for some distance; some seepage and waste water from canal enters river above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	195	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	346	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	-------

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
October	411	75	146	May	1,110	122	237
November	1,580	162	550	June	885	105	185
December	3,000	179	550	July	3,630	64	354
January	1,530	149	502	August	3,070	149	634
February	2,140	230	643	September	1,210	102	229
March	650	213	317				
April	625	147	257	The year	3,630	64	382

GREEN BROOK AT BOUNDBROOK, N. J.

LOCATION.—Staff gage near State highway bridge at Boundbrook, Middlesex County, half a mile above mouth.
DRAINAGE AREA.—49 square miles.
RECORDS AVAILABLE.—June, 1923, to September, 1927.
REMARKS.—Monthly records fair; daily discharge not sufficiently accurate for publication. Flow regulated by water-power plants upstream. Diversions by pumping from well fields above station. Plainfield sewage empties into brook 3 miles above station.

Monthly discharge, 1926–27

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

NOTE.—Discharge per square mile and run-off in inches do not represent natural flow from basin.

LAWRENCE BROOK AT FARRINGTON DAM, N. J.

LOCATION.—Water-stage recorder at Farrington Dam, half a mile southwest of Milltown, Middlesex County, and 4¾ miles above mouth.
DRAINAGE AREA.—34 square miles.
RECORDS AVAILABLE.—May to September, 1927. At Patricks Corner, 2¾ miles upstream June, 1922, to December, 1926.
EXTREMES.—Maximum discharge during period, 1,720 second-feet July 17 (gage height, 1.76 feet); minimum, 5.7 second-feet July 16 (gage height, 0.36 foot).
REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1	------	16	12	66	164	16	29	12	129	69	14
2	------	14	9	102	166	17	22	9	833	41	12
3	------	12	7.7	46	74	18	16	8	115	66	12
4	------	16	7.0	29	51	19	16	20	51	80	22
5	------	25	6.2	19	41	20	25	99	32	51	36
6	------	19	5.9	16	32	21	25	68	22	36	29
7	19	14	7.0	14	29	22	16	36	16	32	22
8	16	12	7.7	73	25	23	14	25	166	36	19
9	16	12	7.0	606	25	24	16	19	170	41	14
10	19	11	6.4	184	22	25	268	14	51	32	14
11	29	9	6.2	87	19	26	141	12	29	30	14
12	25	9	6.4	56	19	27	62	11	19	194	12
13	22	8	6.4	41	19	28	32	12	19	125	12
14	16	11	7.0	78	19	29	22	11	16	109	14
15	25	14	6.7	172	14	30	19	12	14	68	12
						31	19	------	22	51	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
May 7–31	268	14	37.2	1.09	1.01
June	99	8	19.0	.559	.62
July	833	5.9	58.5	1.72	1.98
August	606	14	85.5	2.51	2.89
September	166	12	32.6	.959	1.07

NAVESINK RIVER BASIN

SWIMMING RIVER NEAR RED BANK, N. J.

LOCATION.—Water-stage recorder at dam of Monmouth Consolidated Water Co. (successors to Tintern Manor Water Co.), 3 miles above mouth of river at Red Bank, Monmouth County.
DRAINAGE AREA.—48 square miles.
RECORDS AVAILABLE.—July, 1922, to September, 1927.
EXTREMES.—Maximum discharge during year, over spillway only, about 1,770 second-feet July 23 (gage height, 4.75 feet).
1922–1927: Maximum discharge over spillway, about 2,590 second-feet February 25, 1926 (gage height, 3.42 feet).
REMARKS.—Records good. Table of daily discharge corrected for diversions for municipal uses above station from records as furnished by Monmouth Consolidated Water Co. Discharge estimated October 13–31 and September 16–30.

Daily and monthly discharge, in second-feet, of Swimming River near Red Bank, N. J., 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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		55	48	262	83	68	44	40	59	38	65	
22	40	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	-------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

ABSECON CREEK BASIN

ABSECON CREEK AT ABSECON, N. J.

LOCATION.—Water-stage recorder at dam of Atlantic City Water Department, 1 mile west of Absecon, Atlantic County, and 3 miles above mouth.
DRAINAGE AREA.—16.6 square miles.
RECORDS AVAILABLE.—December, 1923, to September, 1927.
REMARKS.—Records fair. Discharge includes flow over dam, through pipe line and sluice gates, and an estimated diversion just above station to duck farm.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	28	26	17	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	-------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

GREAT EGG RIVER BASIN

GREAT EGG RIVER AT FOLSOM, N. J.

LOCATION.—Water-stage recorder at highway bridge, 1 mile southwest of Folsom, Atlantic County, and 2½ miles above mouth of Pennypot Stream.
DRAINAGE AREA.—56 square miles.
RECORDS AVAILABLE.—September, 1925, to September, 1927.
EXTREMES.—Maximum discharge during year, 160 second-feet August 21 (gage height, 4.81 feet); minimum, 28 second-feet July 5 (gage height, 2.48 feet). 1925–1927: Maximum discharge, that of August 21, 1927; minimum, 26 second-feet August 14, 1926 (gage height, 2.59 feet).
REMARKS.—Records excellent. Discharge estimated March 31, April 1, 7, 8, 24–30, and May 1–4.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	60	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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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	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

DELAWARE RIVER BASIN

EAST BRANCH OF DELAWARE RIVER AT FISHS EDDY, N. Y.

LOCATION.—Staff gage at railroad bridge in Fishs Eddy, Delaware County, 4½ miles downstream from mouth of Beaver Kill.

DRAINAGE AREA.—785 square miles.

RECORDS AVAILABLE.—November, 1912, to September, 1927.

EXTREMES.—Maximum discharge during year, 26,700 second-feet November 17 (gage height, 14.8 feet); minimum, 201 second-feet July 15 (gage height, 2.39 feet).

1912–1927: Maximum discharge, about 45,000 second-feet September 30, 1924 (gage height, 19.0 feet); minimum, 97 second-feet October 12, 14, and 15, 1914 and November 18, 1924; minimum gage height, 1.64 feet October 12, 14, and 15, 1914.

REMARKS.—Records good except those for period of ice effect, December 4 to January 26, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	306	1,960	2,060	700	2,190	1,490	1,670	1,770	4,000	431	1,220	2,520
2	288	1,670	1,670	700	1,870	1,160	1,490	1,490	1,870	387	1,520	9,270
3	269	1,670	1,320	700	1,670	1,240	1,490	1,490	1,580	345	950	5,810
4	269	1,490	1,100	650	1,970	1,020	1,400	1,320	1,400	326	700	4,000
5	286	1,400	1,000	650	1,400	1,020	1,400	1,240	1,770	306	580	2,800
6	3,040	1,320	950	700	1,400	1,090	1,320	1,090	1,490	288	477	2,080
7	2,450	1,240	900	750	1,400	1,090	1,970	1,020	1,160	306	431	1,770
8	1,670	1,160	850	700	1,160	2,880	1,580	880	1,020	326	454	1,400
9	1,320	1,220	850	650	1,160	3,470	1,490	880	950	269	760	1,160
10	1,160	5,100	850	600	1,090	2,800	1,400	1,090	820	252	610	1,020
11	1,320	3,860	850	550	1,020	3,080	1,320	1,970	880	252	477	1,160
12	1,160	2,990	850	550	820	4,170	1,240	1,490	760	235	409	1,160
13	1,090	2,390	900	550	820	7,990	1,240	1,320	670	226	366	880
14	1,320	2,170	900	550	820	15,100	1,160	1,240	670	204	1,190	820
15	1,160	2,060	950	550	820	14,500	1,090	2,190	640	204	1,960	760
16	1,020	11,100	800	550	820	9,620	1,090	1,970	580	216	1,090	670
17	1,090	21,800	750	600	880	8,040	1,160	1,670	526	210	820	640
18	1,320	12,500	750	650	1,240	9,500	1,400	1,580	477	306	760	580
19	1,320	6,330	700	700	1,870	11,800	1,240	1,490	477	288	880	553
20	1,240	4,540	700	900	1,400	8,500	1,320	1,490	700	235	700	580
21	1,490	3,550	700	1,300	1,160	9,750	1,240	1,320	526	207	640	502
22	1,580	2,860	750	3,400	1,240	9,250	1,580	1,160	454	235	526	477
23	1,490	2,390	750	4,600	1,240	6,070	2,300	1,420	502	409	502	409
24	1,400	2,170	750	3,200	1,670	4,700	1,870	7,330	477	670	502	409
25	3,630	1,760	750	2,600	1,870	3,680	1,670	8,760	420	502	454	366
26	4,210	1,640	700	2,000	2,800	3,080	1,670	7,580	1,400	366	409	345
27	2,740	4,520	700	1,580	2,080	2,670	2,540	6,280	900	326	886	345
28	2,280	2,250	700	1,670	1,670	2,300	2,670	4,340	610	288	2,730	326
29	2,060	1,960	700	2,190	-------	2,080	2,190	3,220	502	366	5,700	326
30	1,760	2,060	750	2,420	-------	1,770	1,870	2,540	477	477	3,860	306
31	1,760	-------	750	3,370	-------	1,770	-------	2,190	-------	623	2,570	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	4,210	269	1,530	1.95	2.25
November	21,800	1,160	3,770	4.80	5.36
December	2,060	700	894	1.14	1.31
January	4,600	550	1,330	1.69	1.95
February	2,800	820	1,410	1.80	1.87
March	15,100	1,020	5,050	6.43	7.41
April	2,670	1,090	1,570	2.00	2.23
May	8,760	880	2,410	3.07	3.54
June	4,000	420	957	1.22	1.36
July	670	204	325	.414	.48
August	5,700	366	1,130	1.44	1.66
September	9,270	306	1,450	1.85	2.06
The year	21,800	204	1,820	2.32	31.48

DELAWARE RIVER AT PORT JERVIS, N. Y.

LOCATION.—Chain gage at highway bridge at Port Jervis, Orange County, 1½ miles above mouth of Neversink River, and 6 miles below Mongaup River.
DRAINAGE AREA.—3,070 square miles.
RECORDS AVAILABLE.—October, 1904, to September, 1927.
EXTREMES.—Maximum discharge during year, 71,500 second-feet November 17 (gage height, 13.5 feet); minimum, 898 second-feet July 12–21 (gage height, 1.65 feet).

1904–1927: Maximum discharge, 92,700 second-feet March 28, 1914 (gage height, 16.0 feet); minimum, 175 second-feet September 22 and 23, 1908 (gage height, 0.60 foot).

Highest known stage, 23.3 feet October 10 and 11, 1903 (discharge about 155,000 second-feet).

REMARKS.—Records good except for period of ice effect, December 7 to January 28, which are fair. Flow slightly regulated during low water.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	7,220	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	30,000	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	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

DELAWARE RIVER AT BELVIDERE, N. J.

LOCATION.—Staff gage at Belvidere, Warren County, just below mouth of Pequest River.

DRAINAGE AREA.—4,540 square miles.

RECORDS AVAILABLE.—October, 1922, to September, 1927.

EXTREMES.—Maximum discharge during year, about 108,000 second-feet November 17 (gage height, 18.5 feet); minimum, 1,850 second-feet July 12 (gage height, 3.29 feet).

1922–1927: Maximum discharge, about 118,000 second-feet October 1, 1924 (gage height, 19.3 feet); minimum, 895 second-feet in July and August 1923 (gage height, 2.45 feet).

REMARKS.—Records excellent. Discharge estimated because of ice effect January 7–12, 15–17, and 23, and because of missing gage-height record October 24, 31, November 5, 14, 21, 28, December 5, 12, January 24–29, February 6, 20, July 31, August 9, and 10.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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	7,960	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

DELAWARE RIVER AT RIEGELSVILLE, N. J.

LOCATION.—Water-stage recorder at suspension bridge of Riegelsville, Warren County, 600 feet above Musconetcong River.

DRAINAGE AREA.—6,190 square miles.

RECORDS AVAILABLE.—July, 1906, to September, 1927.

EXTREMES.—Maximum discharge during year, 118,000 second-feet November 17 (gage height, 22.6 feet); minimum, not including Pennsylvania Canal, 2,820 second-feet July 14 (gage height, 2.83 feet).

1906–1927: Maximum discharge, about 144,000 second-feet March 28, 1913 (gage height, 25 feet); minimum, 870 second-feet (not including canal) September 20, 1908 (gage height, 1.55 feet). Highest known stage, 35.9 feet October 10–11, 1903 (discharge, about 275,000 second-feet).

REMARKS.—Records good. Delaware division of Pennsylvania Canal diverted about 230 second-feet above station October 1 to November 27 and March 28 to September 30. Tables of daily and monthly discharge for the year ending September 30, 1926, are republished in this report because those contained in Water-Supply Paper 621 are incomplete.

Daily discharge, in second-feet, 1925–26

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,720	7,440	10,400	5,860	10,800	21,700	18,600	12,500	4,960	3,040	5,560	4,400
2	2,620	7,120	9,700	6,170	9,390	22,600	16,900	12,200	7,120	2,720	3,860	4,400
3	2,720	6,800	11,100	6,170	10,400	20,400	14,900	11,800	8,410	2,520	2,930	6,480
4	2,820	6,480	17,700	6,170	8,740	16,900	14,500	11,100	7,440	2,420	2,520	5,260
5	3,150	6,170	24,000	6,170	6,800	14,500	14,100	10,400	6,480	2,320	2,720	4,680
6	3,150	5,860	33,200	6,480	6,800	11,800	14,500	9,390	5,560	2,420	2,520	10,000
7	3,150	5,860	38,900	6,480	7,120	14,900	14,900	8,740	5,260	2,720	2,320	13,700
8	2,930	7,120	31,400	5,560	7,120	24,300	16,100	8,080	5,260	2,320	2,130	12,500
9	2,720	8,740	25,000	5,560	6,800	17,700	27,400	7,440	5,560	2,130	2,130	10,000
10	2,820	14,100	21,200	4,960	6,480	17,300	46,300	6,800	5,260	2,130	2,130	8,740
11	2,720	13,700	17,700	4,680	6,480	16,500	38,900	6,800	4,680	2,130	2,040	7,440
12	2,720	11,400	15,300	4,400	5,860	14,100	32,400	6,480	4,400	1,940	2,130	6,480
13	2,720	17,500	14,100	4,120	6,170	12,500	26,400	5,560	4,120	1,760	2,720	5,860
14	2,720	33,000	12,900	3,860	6,170	10,800	22,200	5,260	4,120	1,680	2,930	4,960
15	2,930	30,400	11,400	3,860	8,080	10,000	20,400	5,260	4,400	1,850	4,680	4,680
16	3,150	30,400	10,000	4,400	10,400	9,700	19,900	4,960	5,860	2,040	5,560	4,400
17	3,380	42,200	9,390	4,400	9,070	8,410	18,600	4,960	5,860	2,130	9,390	4,120
18	3,380	36,200	8,080	5,860	9,700	8,080	16,500	4,680	5,260	1,940	11,800	3,860
19	3,380	25,900	7,760	15,800	17,200	8,080	14,500	4,400	4,680	2,420	10,000	3,610
20	3,380	21,200	8,080	18,400	15,700	8,740	12,200	4,680	4,120	2,130	11,800	3,610
21	3,040	17,700	7,760	20,400	14,100	10,800	11,100	4,960	3,610	1,760	8,410	3,150
22	2,930	15,300	8,740	18,100	14,100	12,500	10,400	5,260	3,150	1,850	6,800	3,150
23	2,930	13,300	9,700	12,900	13,700	16,500	11,100	5,260	3,380	1,940	5,860	3,150
24	2,930	11,800	9,700	10,400	11,800	22,600	17,700	4,680	3,380	2,130	7,500	3,150
25	4,600	10,800	8,410	8,740	15,100	28,400	20,400	4,400	3,380	2,320	9,070	3,380
26	9,540	9,700	7,120	8,080	36,300	30,400	25,900	4,120	3,610	2,130	9,390	3,610
27	17,800	9,700	4,960	8,410	27,400	33,000	22,600	3,860	3,860	1,760	8,740	3,610
28	13,600	11,100	3,610	7,440	21,700	25,400	17,300	3,610	4,120	1,590	7,760	3,610
29	10,800	13,700	4,680	5,560	-------	20,400	15,300	3,380	3,610	1,760	6,800	4,400
30	9,070	12,500	4,680	5,860	-------	17,300	14,500	3,150	3,380	2,520	5,860	4,960
31	8,410	-------	4,960	6,480	-------	16,900	-------	3,380	-------	3,240	4,960	-------

Daily and monthly discharge, in second-feet, of Delaware River at Riegelsville, N. J., 1925–1927

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926–27												
1	5,260	12,900	15,300	6,800	17,300	18,100	13,300	12,500	14,100	6,170	6,480	16,500
2	4,680	13,300	14,900	6,170	16,900	16,100	12,900	10,800	13,300	5,560	10,000	23,400
3	4,120	12,500	12,900	5,860	16,100	13,700	12,500	10,400	11,800	4,960	10,400	37,800
4	3,860	11,400	11,100	6,170	15,300	12,500	11,400	10,000	10,400	4,400	8,410	28,400
5	3,380	10,400	9,700	7,120	14,500	11,800	11,400	9,700	10,400	4,120	7,120	19,900
6	4,400	9,390	7,760	6,800	12,200	11,100	11,800	9,390	10,800	3,860	5,860	15,000
7	8,870	8,740	7,120	6,170	11,400	11,400	11,800	8,740	10,000	3,610	5,260	12,000
8	14,100	8,080	8,410	5,260	11,100	12,900	12,500	7,760	9,070	3,860	5,260	11,000
9	10,400	8,410	9,390	4,960	10,800	19,400	12,200	7,120	7,760	3,610	5,560	9,480
10	8,410	13,700	9,700	4,680	10,400	27,900	10,800	8,410	7,120	3,610	5,260	8,080
11	7,120	21,200	9,700	4,120	9,500	24,500	9,390	13,300	6,800	3,380	4,960	7,120
12	6,800	19,000	9,390	4,680	9,000	25,900	9,390	16,900	6,480	3,150	4,680	6,800
13	7,120	15,300	9,070	4,960	9,000	30,400	9,700	14,100	6,170	3,040	4,400	6,800
14	6,800	13,300	9,070	5,860	8,500	42,200	9,070	11,800	5,860	2,930	5,860	6,480
15	6,480	11,800	9,390	6,170	9,000	64,500	8,410	12,200	6,480	3,150	10,800	6,170
16	6,480	20,500	8,410	4,120	8,500	58,200	7,760	14,100	5,860	3,150	11,400	5,560
17	5,860	91,700	7,120	4,120	9,500	43,900	7,440	14,100	5,260	4,850	9,390	5,260
18	5,560	89,400	6,800	4,680	13,700	36,700	7,120	12,200	4,680	4,960	7,760	4,960
19	6,170	54,800	5,260	5,860	15,700	35,700	7,120	11,800	4,900	3,860	7,440	4,960
20	6,800	45,100	5,560	7,760	13,300	38,900	7,440	12,900	13,200	3,380	7,120	5,260
21	8,410	35,700	5,860	14,100	11,800	35,700	7,120	11,800	11,800	3,150	6,480	5,560
22	9,390	27,900	7,440	12,900	12,500	45,600	9,070	10,400	9,070	3,040	5,860	4,960
23	9,390	23,600	7,120	21,900	13,300	42,200	11,800	9,390	8,410	5,330	4,960	4,400
24	8,740	20,400	6,800	32,200	14,100	31,400	12,500	11,800	8,080	9,700	4,960	3,860
25	16,500	17,700	6,800	24,000	18,600	25,900	11,100	32,600	6,800	9,700	4,680	4,120
26	24,000	15,700	8,410	18,100	25,900	22,200	10,400	42,700	7,120	7,440	4,400	3,860
27	23,600	17,700	6,480	12,200	25,900	19,900	10,800	37,200	8,740	6,480	5,860	3,380
28	19,000	19,400	6,170	10,400	21,200	17,300	14,900	30,400	9,390	5,860	9,070	3,380
29	15,700	17,300	8,410	12,200	-------	16,500	16,100	24,000	7,760	5,260	13,900	3,150
30	13,700	15,300	7,760	14,500	-------	15,300	14,500	19,000	6,480	4,680	24,000	3,150
31	12,500	-------	7,120	15,700	-------	14,500	-------	16,100	-------	4,680	20,400	-------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
1925-26						
October	17,800	2,620	4,680	4,910	0.793	0.91
November	42,200	5,860	15,400	15,700	2.54	2.83
December	38,900	3,610	13,300	13,300	2.15	2.48
January	20,400	3,860	7,800	7,800	1.26	1.45
February	36,300	5,860	11,800	11,800	1.91	1.99
March	33,000	8,080	16,900	17,000	2.75	3.17
April	46,300	10,400	19,600	19,800	3.20	3.57
May	12,500	3,150	6,370	6,600	1.07	1.23
June	8,410	3,150	4,810	5,040	.814	.91
July	3,240	1,590	2,190	2,420	.391	.45
August	11,800	2,040	5,580	5,810	.939	1.08
September	13,700	3,150	5,510	5,740	.927	1.03
The year	46,300	1,590	9,450	9,610	1.55	21.10
1926-27						
October	24,000	3,380	9,470	9,700	1.57	1.81
November	91,700	8,080	23,400	23,600	3.81	4.25
December	15,300	5,260	8,530	8,530	1.38	1.59
January	32,200	4,120	9,690	9,690	1.57	1.81
February	25,900	8,500	13,800	13,800	2.23	2.32
March	64,500	11,100	27,200	27,200	4.39	5.06
April	16,100	7,120	10,700	11,000	1.78	1.99
May	42,700	7,120	15,300	15,500	2.50	2.88
June	14,100	4,680	8,470	8,700	1.41	1.57
July	9,700	2,930	4,690	4,920	.795	.92
August	24,000	4,400	8,000	8,230	1.33	1.53
September	37,800	3,150	9,360	9,590	1.55	1.73
The year	91,700	2,930	12,400	12,500	2.02	27.46

DELAWARE RIVER AT TRENTON, N. J.

LOCATION.—Chain gage at Calhoun Street Bridge, Trenton, Mercer County.
DRAINAGE AREA.—6,800 square miles.
RECORDS AVAILABLE.—February, 1913, to September, 1927.
EXTREMES.—Maximum discharge during year, 123,000 second-feet November 18 (gage height, 11.30 feet); minimum, 2,860 second-feet, July 15 (gage height, 0.40 foot). Flow in canals not included.

1913–1927: Maximum discharge, about 160,000 second-feet March 28, 29, 1913 (gage height, 13.3 feet); minimum, 1,240 second-feet several times in October and November, 1916 (gage height, −0.40 foot). Flow in canals not included.

REMARKS.—Records good. Diversions for navigation and power above station. Discharge estimated because of ice effect December 6, 9, 25, 27, 28, January 22, 27, 30 and because of missing record December 7, 8, 18–24, 26, January 8–21, 28, 29. Gage-height record furnished by United States Weather Bureau.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,400	14,400	17,300	7,600	18,900	19,700	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	-------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for diversion		
	Maximum	Minimum	Mean	Mean	Per square mile	
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	11,200	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

BEAVER KILL AT COOKS FALLS, N. Y.

LOCATION.—Staff gage at highway bridge in Cooks Falls, Delaware County, 5½ miles below mouth of Willowemoc Creek.

DRAINAGE AREA.—241 square miles.

RECORDS AVAILABLE.—July, 1913, to September, 1927.

EXTREMES.—Maximum discharge during year, about 14,600 second-feet November 16 (gage height, about 16.0 feet); minimum, 109 second-feet July 21 (gage height, 1.46 feet).

1913–1927: Maximum discharge, that of November 16, 1926; minimum about 23 second-feet September 14–16, 1913 (gage height, 0.60 foot).

REMARKS.—Records good except for periods of ice effect (December 6–12, December 16 to January 26, and February 21–24) and estimates (November 13, February 4–6, 27, and 28), which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	147	610	790	240	610	415	745	610	1,120	282	823	1,950
2	147	570	655	240	530	398	655	610	790	270	1,210	3,410
3	147	530	530	240	490	398	655	570	655	212	570	2,180
4	138	450	415	240	600	415	655	570	700	192	398	1,470
5	151	432	398	260	500	570	655	490	700	183	336	1,000
6	1,130	398	380	260	450	450	610	470	610	164	295	745
7	777	382	360	240	415	432	890	432	530	192	295	570
8	570	351	340	220	415	1,060	745	398	490	183	308	570
9	398	534	320	220	398	940	655	415	415	164	524	470
10	366	1,760	320	220	382	790	655	480	398	156	336	398
11	470	1,020	320	200	366	940	610	955	450	156	258	490
12	415	790	340	200	322	1,060	610	700	398	147	223	432
13	450	700	351	200	308	2,450	570	610	322	138	224	351
14	382	655	382	190	295	4,290	530	1,210	308	130	1,530	336
15	336	610	351	190	295	4,400	530	1,600	308	115	1,170	308
16	295	6,010	320	190	295	3,310	490	1,300	282	130	610	295
17	382	5,590	300	200	322	2,850	790	1,240	246	130	450	270
18	432	2,370	280	220	530	3,550	700	1,000	234	147	530	234
19	432	1,730	260	240	570	3,100	655	890	295	138	570	234
20	470	1,480	260	340	470	3,010	610	745	382	115	398	223
21	610	1,180	260	650	420	3,460	610	610	270	109	366	202
22	470	940	280	1,400	440	3,190	745	570	258	223	308	192
23	450	840	280	1,900	460	2,370	840	594	246	386	295	183
24	475	700	260	1,100	550	1,600	790	2,630	258	466	282	174
25	1,540	655	240	900	655	1,360	655	2,450	216	295	270	174
26	1,320	644	240	700	790	1,000	745	2,150	1,160	183	240	164
27	940	1,550	240	570	650	1,000	940	1,730	610	174	927	156
28	890	991	240	570	500	840	655	1,120	382	138	1,430	147
29	700	655	260	610	------	745	610	890	308	351	2,890	147
30	570	890	260	1,180	------	745	610	745	282	351	1,400	147
31	840	----	260	940	------	790	------	655	------	918	981	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,540	138	543	2.25	2.59
November	6,010	351	1,200	4.98	5.56
December	790	240	338	1.40	1.61
January	1,900	190	486	2.02	2.33
February	790	295	465	1.93	2.01
March	4,400	398	1,680	6.97	8.04
April	940	490	674	2.80	3.12
May	2,630	398	950	3.94	4.54
June	1,160	216	454	1.88	2.10
July	918	109	224	.929	1.07
August	2,890	223	660	2.74	3.16
September	3,410	147	587	2.44	2.72
The year	6,010	109	689	2.86	38.85

LITTLE BEAVER KILL NEAR LIVINGSTON MANOR, N. Y.

LOCATION.—Staff gage 2½ miles southeast of Livingston Manor, Sullivan County, and 3½ miles above Cattail Brook.

DRAINAGE AREA.—19.8 square miles.

RECORDS AVAILABLE.—July, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, 1,980 second-feet November 16 (gage height, 6.5 feet); minimum, 6.3 second-feet July 20 (gage height, 0.94 foot).

1924–1927: Maximum discharge, that of November 16, 1926; minimum, 2.7 second-feet several times August 11 to September 5, 1924 (gage height, 0.68 foot).

REMARKS.—Records good except those for periods of ice effect, December 3 to January 2, January 7–29, February 5–14, March 1–4, which are fair. Diversions from Lily Pond for Liberty water supply.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	48	48	22	43	46	53	30	90	25	148	339
2	19	39	33	22	37	40	53	29	50	20	148	370
3	19	33	30	20	33	40	44	27	37	24	55	195
4	16	27	28	19	35	40	40	26	64	20	37	106
5	14	29	26	19	44	45	39	26	70	14	29	70
6	162	26	24	21	36	33	73	23	49	13	20	50
7	55	24	22	20	28	33	82	20	37	16	18	37
8	37	23	22	20	28	94	41	18	32	13	26	32
9	27	86	20	19	26	110	42	18	27	11	48	26
10	27	181	20	18	26	110	39	45	23	11	26	22
11	32	72	20	18	20	130	36	90	34	10	18	53
12	24	48	20	17	24	140	35	44	23	9.0	16	27
13	23	41	22	16	24	368	33	36	20	9.0	222	21
14	24	37	26	15	24	522	32	34	23	8.4	249	19
15	21	46	26	14	24	388	29	148	21	7.7	130	18
16	18	754	24	14	20	325	28	75	18	7.0	55	15
17	27	364	22	16	30	270	35	64	16	7.2	37	14
18	26	160	20	18	67	325	31	57	14	7.2	75	14
19	24	150	19	22	66	295	29	67	27	6.7	53	21
20	26	94	18	30	40	220	26	53	37	6.3	34	18
21	52	60	18	55	40	340	24	42	21	42	29	16
22	37	43	20	160	44	220	87	36	16	78	24	13
23	32	48	20	150	37	140	58	37	16	175	24	11
24	31	43	19	95	48	106	39	75	17	48	21	11
25	129	36	18	70	55	76	33	195	21	23	18	10
26	70	41	18	60	64	67	30	150	193	24	20	10
27	50	110	18	50	48	60	70	108	70	19	301	9.4
28	40	58	18	50	53	61	68	70	38	16	239	9.7
29	37	44	19	55	------	55	50	55	31	57	330	10
30	30	58	20	70	------	49	37	43	29	30	140	9.7
31	60	------	22	57	------	60	------	80	------	200	82	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	162	14	38.9	1.96	2.26
November	754	23	94.1	4.75	5.30
December	48	18	22.6	1.14	1.31
January	160	14	40.4	2.04	2.35
February	67	20	38.0	1.92	2.00
March	522	33	155	7.83	9.03
April	87	24	43.9	2.22	2.48
May	195	18	58.7	2.96	3.41
June	193	14	38.8	1.96	2.19
July	200	6.3	30.9	1.56	1.80
August	330	16	86.2	4.35	5.02
September	370	9.4	52.6	2.66	2.97
The year	754	6.3	58.5	2.95	40.12

WEST BRANCH OF DELAWARE RIVER AT HALE EDDY, N. Y.

LOCATION.—Staff gage in Hale Eddy, 9 miles above union with East Branch.
DRAINAGE AREA.—603 square miles.
RECORDS AVAILABLE.—November, 1912, to September, 1927.
EXTREMES.—Maximum discharge during year, 16,600 second-feet November 17 (gage height, 12.5 feet); minimum, 101 second-feet July 14 and 15 (gage height, 1.58 feet).

1912–1927: Maximum discharge, about 26,500 second-feet September 30, 1924 (gage height, 15.8 feet); minimum, 34 second-feet September 21, 1913 (gage height, 1.0 foot).

Highest known stage, 20.3 feet October 10, 1903 (discharge, about 46,000 second-feet).

REMARKS.—Records good except those for period of ice effect, December 4 to January 28, which are fair. Flow regulated by operation of power plant above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	184	2,060	1,080	550	2,060	1,370	1,080	1,220	1,370	193	316	1,530
2	171	2,060	950	500	1,880	1,080	1,080	1,080	1,150	179	398	3,980
3	171	1,880	950	500	1,880	1,150	1,220	950	950	179	316	2,350
4	159	1,700	900	500	1,880	1,080	1,220	950	890	166	279	1,790
5	153	1,530	850	500	1,530	1,080	1,220	742	860	132	228	1,370
6	3,430	1,220	800	550	1,220	1,080	1,080	688	800	143	213	950
7	2,640	1,080	750	550	1,220	1,060	1,080	688	688	143	179	800
8	1,790	1,010	700	500	1,150	2,850	1,080	742	635	154	179	635
9	1,530	1,120	700	480	1,080	4,160	1,080	770	585	132	279	560
10	1,370	3,010	650	460	950	3,360	950	950	535	132	356	488
11	1,220	2,260	650	440	950	3,000	860	1,370	488	132	316	398
12	950	1,700	650	420	950	3,240	800	1,150	398	121	261	356
13	800	1,530	700	420	890	4,110	742	950	336	121	228	660
14	1,010	1,450	700	400	830	10,100	688	950	356	111	213	610
15	950	1,450	750	400	830	10,400	610	1,370	336	101	193	510
16	860	7,290	700	400	830	6,170	585	1,370	356	121	179	465
17	860	15,200	650	440	830	5,010	560	1,220	316	143	166	398
18	770	9,750	600	480	715	4,560	535	1,220	316	193	182	356
19	688	7,600	600	550	715	3,870	535	1,220	356	179	159	316
20	1,040	4,420	550	700	830	3,870	585	1,080	336	166	159	316
21	1,880	2,670	550	1,000	830	5,330	688	950	279	154	147	279
22	1,530	2,260	500	2,600	830	4,710	890	1,080	279	132	159	244
23	1,530	2,060	550	3,600	950	3,870	950	1,500	228	154	147	213
24	1,700	1,880	550	2,600	1,220	2,890	950	7,400	244	154	136	213
25	2,260	1,700	500	2,000	1,700	2,460	860	7,500	213	154	147	198
26	2,460	1,530	500	1,700	1,530	2,160	950	6,340	213	143	136	184
27	2,060	1,370	500	1,200	1,880	2,060	1,530	5,010	228	316	147	171
28	1,880	1,370	480	1,300	2,260	1,790	1,790	3,610	193	213	297	159
29	1,880	1,220	480	1,700	-------	1,450	1,530	2,670	179	297	938	159
20	1,880	1,220	500	1,700	-------	1,220	1,370	2,160	193	279	1,010	159
31	2,260	-------	550	2,160	-------	1,150	-------	1,700	-------	336	830	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	3,430	153	1,360	2.26	2.61
November	15,200	1,010	2,890	4.79	5.34
December	1,080	480	663	1.10	1.27
January	3,600	400	1,010	1.67	1.92
February	2,260	715	1,230	2.04	2.12
March	10,400	1,060	3,280	5.44	6.27
April	1,790	535	970	1.61	1.80
May	7,500	688	1,950	3.23	3.72
June	1,370	179	477	.791	.88
July	336	101	170	.282	.33
August	1,010	136	287	.476	.55
September	3,980	195	694	1.15	1.28
The year	15,200	101	1,250	2.07	28.09

WALLENPAUPACK CREEK AT WILSONVILLE, PA.

LOCATION.—At hydroelectric plant of Pennsylvania Power & Light Co. with dam at Wilsonville, 1½ miles south of Hawley, Wayne County.

DRAINAGE AREA.—227 square miles.

RECORDS AVAILABLE.—October, 1918, to September, 1921; June, 1926, to September, 1927.

REMARKS.—Records good. Flow computed from output of generators and discharge over spillway. Daily discharge not corrected for storage. Records of power-plant operation and water-surface elevations in reservoir and tailrace furnished by Pennsylvania Power & Light Co.

Daily discharge, in second-feet, 1926–27

Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.
1926					1926				
1	-------	240	0	290	16	228	265	69	416
2	-------	242	4	0	17	243	0	168	458
3	-------	139	0	0	18	231	0	154	402
4	-------	0	203	0	19	155	0	232	116
5	-------	0	227	0	20	0	218	237	334
6	-------	170	249	0	21	232	260	311	406
7	42	228	158	473	22	218	227	0	447
8	70	234	101	541	23	226	230	246	437
9	114	234	350	532	24	267	129	292	426
10	195	148	536	463	25	236	0	331	390
11	188	0	271	487	26	135	267	293	115
12	171	253	289	323	27	0	102	273	611
13	0	227	285	554	28	245	234	313	716
14	215	232	101	574	29	226	284	0	705
15	224	238	6	610	30	228	272	347	696
					31	-------	156	334	-------

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926–27												
1	595	300	636	295	787	736	830	169	33	32	302	469
2	452	379	555	389	639	794	876	730	74	23	468	428
3	112	404	660	746	676	825	446	670	47	0	485	252
4	538	412	683	732	592	803	891	847	41	0	487	48
5	465	399	296	839	750	927	836	915	0	51	571	80
6	479	346	656	823	202	328	845	696	47	57	478	385
7	576	0	799	817	565	788	973	753	49	57	103	178
8	559	425	668	658	581	622	1,240	196	45	54	322	226
9	579	382	792	407	528	491	319	717	48	21	333	167
10	104	461	865	798	524	463	157	592	46	0	308	352
11	476	307	490	843	724	237	945	745	23	52	338	470
12	554	485	302	828	597	0	1,290	780	0	55	336	392
13	511	481	817	863	255	59	851	670	48	52	159	340
14	414	38	832	694	604	843	810	843	50	67	0	314
15	463	332	842	776	577	900	588	712	48	71	0	230
16	390	427	823	157	710	744	219	831	48	69	281	244
17	39	542	791	614	510	705	107	619	52	7	482	67
18	481	610	730	673	750	619	658	606	30	55	425	0
19	528	779	379	612	799	795	698	660	0	59	356	400
20	586	945	879	702	153	446	595	517	50	60	427	384
21	492	567	823	708	543	805	613	211	46	80	70	420
22	489	736	818	787	624	656	788	33	55	53	365	581
23	485	708	776	200	908	750	279	601	55	43	366	576
24	129	712	678	673	903	752	17	91	51	6	426	538
25	563	98	392	685	902	946	653	114	38	89	403	146
26	493	536	334	737	1,090	972	664	110	5	401	545	410
27	487	707	866	744	536	290	623	102	52	441	387	341
28	484	109	813	832	887	929	695	98	58	344	45	507
29	347	552	818	737	-------	875	747	95	73	489	382	348
30	528	594	671	173	-------	977	272	95	67	619	394	402
31	101	-------	793	736	-------	934	-------	114	-------	495	354	-------

Monthly discharge of Wallenpaupack Creek at Wilsonville, Pa., 1926–27

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
1926						
June 7–30	267	0	170	----------	----------	----------
July	284	0	169	----------	----------	----------
August	536	0	206	196	0.863	0.99
September	716	0	384	187	.824	.92
1926–27						
October	595	39	435	286	1.26	1.45
November	945	0	459	1,090	4.80	5.36
December	879	296	686	278	1.22	1.41
January	863	157	654	320	1.41	1.63
February	1,090	153	640	529	2.33	2.43
March	977	0	678	935	4.12	4.75
April	1,290	17	651	292	1.29	1.44
May	915	33	482	546	2.41	2.78
June	74	0	42.6	288	1.27	1.42
July	619	0	126	154	.678	.78
August	571	0	335	243	1.07	1.23
September	581	0	323	210	.925	1.03
The year	1,290	0	459	430	1.89	25.71

FLAT BROOK NEAR FLATBROOKVILLE, N. J.

LOCATION.—Water-stage recorder 1 mile above Flatbrookville, Sussex County, and 1½ miles above mouth.

DRAINAGE AREA.—65 square miles.

RECORDS AVAILABLE.—July, 1923, to September, 1927.

EXTREMES.—Maximum discharge during year, 755 second-feet November 17 (gage height, 3.93 feet); minimum, 6 second-feet October 1 (gage height, 1.40 feet).

1923–1927: Maximum discharge, about 2,350 second-feet April 7, 1924, and February 11, 1925 (gage height, 7.1 feet); minimum, 4 second-feet September 6 and 7, 1923 (gage height, 1.35 feet).

REMARKS.—Records good. Discharge estimated because of ice effect December 3–11, 15–20, 23–31, January 1, 2, 5, 6, 12–18, 24–29, February 12–14, and 20–22, and because of missing gage-height record January 7–11, June 1–7, July 6–12, August 10–16, 24–30, September 7–10, 29, and 30.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	75	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
23	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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	248	21	63.9	0.983	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

PAULINS KILL AT BLAIRSTOWN, N. J.

LOCATION.—Water-stage recorder in Blairstown, Warren County, 200 feet above mouth of Blairs Creek.
DRAINAGE AREA.—128 square miles.
RECORDS AVAILABLE.—October, 1921, to September, 1927.
EXTREMES.—Maximum discharge during year, 925 second-feet August 29 (gage height, 5.52 feet); minimum, 12 second-feet July 13 (gage height, 1.52 feet).
1921–1927: Maximum discharge, about 1,800 second-feet March 8, 1922, and February 12, 1925 (gage height, 7.05 feet); minimum, about 2.8 second-feet November 1, 1922 (gage height, 1.34 feet).
REMARKS.—Records good. Discharge estimated because of ice December 4–9, 16–20, 23, 24, 27, 28, January 2, 3, 7–13, 15–18, 26–29, February 20 and 21 and because of missing gage-height record March 9–14. Flow regulated by storage in Swartswood Lake and by power plants above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	131	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	600	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	432	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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

PEQUEST RIVER AT PEQUEST, N. J.

LOCATION.—Water-stage recorder at Pequest, Warren County, 100 feet above Lehigh & Hudson River Railroad bridge and 300 feet below Furnace Brook.

DRAINAGE AREA.—108 square miles.

RECORDS AVAILABLE.—November, 1921, to September, 1927.

EXTREMES.—Maximum discharge during year, 489 second-feet February 26 (gage height, 2.38 feet); minimum, 37 second-feet October 13 and January 8 (gage height, 0.59 foot).

1921–1927: Maximum discharge, 700 second-feet March 19, 1923 (gage height, 2.92 feet); minimum, 16 second-feet September 20 and 21, 1924, and August 7, 1926 (gage height, 0.31 foot).

REMARKS.—Records excellent. Discharge estimated December 8, 19, 19–24, January 15–21, February 12–17, July 16 and 17.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	119
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	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

BEAVER BROOK NEAR BELVIDERE, N. J.

LOCATION.—Water-stage recorder 500 feet above mouth of brook and 2 miles east of Belvidere, Warren County.

DRAINAGE AREA.—36 square miles.

RECORDS AVAILABLE.—May, 1922, to September, 1927.

EXTREMES.—Maximum discharge during year, 298 second-feet November 17 (gage height, 3.06 feet); minimum, 9.5 second-feet October 5 (gage height, 1.47 feet).

1922–1927: Maximum discharge, 760 second-feet March 17, 1923 (gage height, 3.83 feet); minimum, 3.1 second-feet September 4, 5, and October 18, 1923 (gage height, 1.21 feet).

REMARKS.—Records good. Discharge estimated because of ice December 18–20, 27, January 2, 8–13, 16–18, and 27–29 and because of missing gage-height record December 4–10.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

MUSCONETCONG RIVER NEAR HACKETTSTOWN, N. J.

LOCATION.—Water-stage recorder 500 feet above Delaware, Lackawanna & Western Railroad bridge and 3 miles above Hackettstown, Warren County.
DRAINAGE AREA.—70 square miles.
RECORDS AVAILABLE.—September, 1921, to September, 1927.
EXTREMES.—Maximum discharge during year, about 550 second-feet November 17 (gage height, 4.03 feet); minimum, about 2 second-feet July 8 (gage height, 1.02 feet).

1921–1927: Maximum discharge, about 1,080 second-feet February 12, 1925 (gage height, 5.12 feet); minimum, that of July 8, 1927.

REMARKS.—Records good. Flow regulated by storage at Lake Hopatcong. Discharge estimated because of ice December 4–7, 16–21, January 2, 8, 16–21, 27, and 28 and because of missing gage-height record January 3–7 and 9–14.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	79	260	162	86	125	172	116	116	172	39	138	225
2	79	248	143	80	116	162	125	100	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	-------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

MUSCONETCONG RIVER NEAR BLOOMSBURY, N. J.

LOCATION.—Water-stage recorder at highway bridge 1½ miles above Bloomsbury, Hunterdon County, and 9 miles above mouth.

DRAINAGE AREA.—143 square miles.

RECORDS AVAILABLE.—July, 1903, to March, 1907; July, 1921, to September, 1927.

EXTREMES.—Maximum discharge during year, about 1,370 second-feet August 1 (gage height, 4.46 feet); minimum, 32 second-feet July 7 (gage height, 0.79 foot).

1903–1907, 1921–1927: Maximum stage, 8.0 feet (old datum) October 10 or 11, 1903 (discharge not determined); minimum discharge, 21 second-feet November 19 1921.

REMARKS.—Records good. Flow regulated by operation of power plants and by storage in Lake Hopatcong. Discharge estimated because of ice December 6–8 and February 21, and because of missing gage-height record October 28–30, November 9–13, December 19–21, April 13–15, July 8, and 13–22.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	205	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	-------

Month	Discharge in second-feet					Run-off in inches
	Observed			Corrected for storage		
	Maximum	Minimum	Mean	Mean	Per square mile	
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

ASSUNPINK CREEK AT TRENTON, N. J.

LOCATION.—Water-stage recorder at Chambers Street bridge in Trenton, Mercer County, 1½ miles above mouth.
DRAINAGE AREA.—89 square miles.
RECORDS AVAILABLE.—July, 1923, to September, 1927.
EXTREMES.—Maximum discharge during year, 840 second-feet December 28 (gage height, 5.20 feet); minimum, 2 second-feet June 30 (gage height, 1.69 feet).

1923–1927: Maximum discharge, 2,400 second-feet April 7, 1924 (gage height, 7.85 feet); minimum, that of June 30, 1927.

REMARKS.—Records good. Discharge estimated July 16–25.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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	.865	.96
The year	723	6	110	1.24	16.82

NORTH BRANCH OF RANCOCAS CREEK AT PEMBERTON, N. J.

LOCATION.—Water-stage recorder near highway bridge at Pemberton, Burlington County, 11 miles above confluence with South Branch.
DRAINAGE AREA.—111 square miles.
RECORDS AVAILABLE.—September, 1921, to September, 1927.
REMARKS.—Records fair. Discharge estimated because of missing record December 18–20, 24, 25, March 19, 20, August 20 and 21.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
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

SUSQUEHANNA RIVER BASIN

SUSQUEHANNA RIVER AT COLLIERSVILLE, N. Y.

LOCATION.—Water-stage recorder half a mile north of Colliersville, Otsego County, and 1¼ miles above mouth of Schenevus Creek.
DRAINAGE AREA.—353 square miles.
RECORDS AVAILABLE.—July, 1924, to September, 1927.
EXTREMES.—Maximum discharge during year, 4,580 second-feet March 15 (gage height, 6.6 feet); minimum, 18 second-feet July 10 (gage height, 1.29 feet). 1924–1927: Maximum discharge, that of March 15, 1927; minimum, about 8 second-feet August 21, 1926 (gage height, 1.09 feet).
REMARKS.—Records good. Flow regulated by power-plant operation.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	291	a1,070	859	a 230	1,310	597	1,130	a 370	753	126	133	443
2	285	a1,030	702	a 255	978	616	1,080	a 420	776	146	155	847
3	287	a 910	a 515	a 280	858	599	803	a 400	630	53	120	666
4	252	a 900	a 615	a 305	1,120	564	992	a 310	562	36	97	404
5	196	a 820	357	a 270	872	525	770	357	538	159	a 110	315
6	1,050	a 700	404	240	728	422	801	349	640	163	a 65	299
7	1,740	735	464	220	752	606	990	274	430	122	40	222
8	1,140	660	a 630	220	619	944	774	335	251	143	137	248
9	668	648	a 640	a 110	598	1,520	768	259	342	58	141	235
10	762	1,080	a 640	a 295	a 645	1,280	632	369	a 270	19	86	190
11	905	774	a 575	a 290	a 620	1,220	618	459	a 315	61	157	311
12	695	854	461	a 140	502	1,580	571	414	191	71	102	374
13	780	679	519	a 130	a 535	2,010	576	309	a 260	73	100	278
14	852	649	495	a 300	a 550	3,410	367	342	220	92	112	212
15	721	650	a 595	a 245	a 480	4,020	401	356	215	a 115	147	233
16	699	855	a 415	a 75	a 550	3,370	a 440	385	a 150	a 60	178	208
17	557	1,840	a 320	a 335	a 495	2,740	a 540	355	a 130	81	93	250
18	526	1,710	a 325	a 280	a 700	2,580	548	387	a 180	84	110	192
19	578	970	168	a 255	a 815	2,930	262	338	98	142	124	183
20	692	1,370	a 385	a 480	512	2,690	374	383	205	104	122	272
21	669	1,190	a 325	a 550	446	2,670	327	a 315	200	83	48	223
22	606	1,190	a 325	a 860	490	3,110	521	281	200	121	108	180
23	582	1,110	a 315	1,070	321	2,860	a 670	450	173	90	161	171
24	a 660	908	a 510	1,180	640	2,400	a 380	1,570	a 200	30	148	212
25	a 960	939	a 325	582	837	2,150	a 500	2,190	a 190	93	91	138
26	1,510	844	267	762	993	1,920	a 375	2,070	51	146	91	184
27	1,230	998	218	504	751	1,710	a 740	1,740	201	142	70	135
28	893	725	301	574	688	1,800	a 600	1,540	214	115	58	125
29	858	749	221	688	------	1,570	a 380	1,250	194	127	230	153
30	921	922	a 260	900	------	1,440	a 435	1,200	189	a 135	508	124
31	922	------	a 285	1,460	------	1,310	------	1,150	------	91	256	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,740	196	758	2.15	2.48
November	1,840	648	949	2.69	3.00
December	859	168	433	1.23	1.42
January	1,460	110	454	1.29	1.49
February	1,310	321	693	1.96	2.04
March	4,020	422	1,840	5.21	6.01
April	1,130	262	612	1.73	1.93
May	2,190	259	675	1.91	2.20
June	776	51	299	.847	.94
July	163	19	99.4	.282	.33
August	508	40	132	.374	.43
September	847	124	268	.759	.85
The year	4,020	19	601	1.70	23.12

a Estimated.

SUSQUEHANNA RIVER AT CONKLIN, N. Y.

LOCATION.—Water-stage recorder at highway bridge just below Conklin, Broome County, and 3½ miles below Pennsylvania State line.

DRAINAGE AREA.—2,350 square miles.

RECORDS AVAILABLE.—November, 1912, to September, 1927.

EXTREMES.—Maximum discharge during year, 33,600 second-feet March 15 and 16 (gage height, 14.8 feet); minimum, 450 second-feet July 14 and August 25 (gage height, 2.40 feet).

1912–1927: Maximum discharge, 52,000 second-feet March 28, 1913 (gage height, 18.3 feet); minimum, 106 second-feet September 16, 1913 (gage height, 1.32 feet).

REMARKS.—Records good except for periods of ice effect, December 5–13 and December 19 to February 24, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,460	6,810	5,300	1,600	8,500	5,510	4,790	3,060	4,790	924	1,110	2,200
2	1,350	7,040	5,090	1,500	6,000	5,090	4,490	2,680	3,830	890	1,970	6,370
3	1,230	6,150	3,920	1,600	5,500	4,400	4,300	2,460	3,220	797	1,090	6,370
4	1,130	5,300	2,600	1,700	7,000	3,740	4,490	2,390	2,800	733	950	4,300
5	1,200	4,590	2,200	1,700	6,500	3,740	4,400	2,390	2,750	680	873	2,820
6	6,830	4,110	2,000	1,600	5,500	3,480	4,200	2,250	2,750	629	765	2,050
7	10,300	3,740	2,000	1,500	4,600	3,560	4,990	2,120	2,820	580	672	1,680
8	8,180	3,390	1,900	1,400	4,000	8,330	4,690	1,860	2,390	629	658	1,460
9	5,300	3,300	1,900	1,400	3,800	13,800	3,920	1,920	1,920	636	510	1,270
10	3,920	6,240	1,900	1,300	3,600	11,600	3,480	2,520	1,680	587	822	1,120
11	3,920	7,270	1,900	1,300	3,400	10,500	3,140	4,020	1,570	510	984	1,090
12	4,300	5,510	1,900	1,200	3,200	12,700	2,800	4,200	1,400	573	789	1,180
13	3,480	4,300	2,000	1,200	3,000	17,200	2,680	3,480	1,340	474	695	2,120
14	3,300	3,830	2,750	1,300	2,600	25,900	2,460	2,800	1,240	450	688	1,740
15	3,560	3,650	4,020	1,300	2,400	32,700	2,250	3,970	1,240	462	950	1,350
16	3,060	12,700	3,830	1,200	2,600	31,500	1,980	3,560	1,180	510	710	1,170
17	2,600	29,900	2,900	1,200	3,000	21,000	1,920	3,560	1,090	524	504	1,100
18	2,820	21,900	2,180	1,200	4,600	15,000	2,120	3,220	1,000	680	573	1,000
19	3,140	17,600	1,900	1,300	6,000	15,000	2,390	3,220	975	725	650	1,030
20	3,220	15,900	1,700	2,800	5,500	15,600	2,120	3,220	1,050	629	573	941
21	4,890	12,100	1,800	4,600	4,000	17,600	1,860	2,750	1,040	552	517	975
22	4,590	8,960	2,000	8,000	3,200	20,000	2,530	2,390	1,010	545	486	1,010
23	4,020	7,500	1,900	10,000	4,200	17,600	3,920	2,320	1,020	733	480	898
24	3,480	6,590	1,800	9,500	6,000	12,700	4,300	14,800	1,020	797	468	848
25	5,590	5,720	1,800	6,000	7,270	9,740	3,480	23,900	950	848	462	781
26	9,220	5,090	1,700	4,800	9,480	8,220	3,180	20,400	1,280	805	498	702
27	8,460	5,090	1,700	3,800	8,960	7,270	4,890	15,300	1,280	814	486	710
28	6,370	5,090	1,700	3,400	6,590	7,040	5,930	10,800	1,200	797	486	636
29	5,090	4,300	1,700	3,400	-------	6,810	4,490	7,980	1,070	882	947	688
30	4,490	4,200	1,600	4,800	-------	5,720	3,560	6,150	1,020	873	1,680	658
31	4,890	-------	1,600	9,000	-------	5,300	-------	5,300	-------	757	2,250	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	10,300	1,130	4,370	1.86	2.14
November	29,900	3,300	7,930	3.37	3.76
December	5,300	1,600	2,360	1.00	1.15
January	10,000	1,200	3,120	1.33	1.53
February	9,480	2,400	5,040	2.14	2.23
March	32,700	3,480	12,200	5.19	5.98
April	5,930	1,860	3,530	1.50	1.67
May	23,900	1,860	5,520	2.35	2.71
June	4,790	950	1,730	.736	.82
July	924	450	678	.289	.33
August	2,250	462	816	.347	.40
September	6,370	636	1,680	.715	.80
The year	32,700	450	4,080	1.74	23.52

SUSQUEHANNA RIVER AT HARRISBURG, PA.

LOCATION.—Chain gage at Walnut Street Bridge, Harrisburg, Dauphin County.
DRAINAGE AREA.—24,100 square miles.
RECORDS AVAILABLE.—January, 1891, to September, 1927. All records prior to October 1, 1923, have been revised in connection with the power project at Conowingo, Md. A complete set of the revised records is on file at the United States Geological Survey, Washington, D. C., and also at the Department of Forests and Waters, Water Resources Service, Harrisburg, Pa.
EXTREMES.—Maximum discharge during year, 323,500 second-feet November 17 (gage height, 17.0 feet); minimum, 4,550 second-feet September 29 and 30 (gage height, 3.25 feet).

1891–1927: Maximum discharge, about 613,000 second-feet May 22, 1894 (gage height, 25.7 feet); minimum, about 2,300 second-feet, including about 360 second-feet in Pennsylvania Canal, September 28 and 29, 1900 (gage height, −0.04 foot).

REMARKS.—Records good. Discharge estimated December 5 to February 17 because of ice. Records furnished by Pennsylvania State Department of Forests and Waters.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25,800	40,900	38,900	17,200	62,200	79,800	45,100	62,200	55,600	13,600	17,900	9,000
2	22,500	45,100	36,900	16,400	71,000	66,600	43,000	53,500	49,300	12,900	17,900	9,600
3	20,900	49,300	36,900	16,400	62,200	53,500	45,100	47,200	40,900	12,200	16,400	9,600
4	19,400	49,300	36,900	15,700	45,100	47,200	53,500	40,900	36,900	10,900	15,000	10,200
5	17,900	43,000	33,000	15,700	49,300	43,000	57,800	36,900	38,900	9,600	15,000	12,900
6	19,400	36,900	29,300	15,700	53,500	40,900	57,800	36,900	45,100	9,600	14,300	15,000
7	43,000	34,900	24,100	15,700	49,300	47,200	60,000	36,900	47,200	9,000	12,200	13,600
8	49,300	31,100	18,600	15,000	49,300	68,800	64,400	38,900	43,000	8,400	10,900	12,200
9	40,900	27,500	17,200	13,600	51,400	119,400	68,800	33,000	36,900	9,600	10,900	10,200
10	40,900	38,900	19,400	12,200	45,100	165,900	62,200	29,300	31,100	9,600	9,600	9,000
11	33,000	55,600	24,100	10,900	40,900	139,200	53,500	31,100	27,500	10,900	9,000	8,400
12	29,300	57,800	29,300	9,600	40,900	115,000	47,200	43,000	25,800	9,600	8,400	7,800
13	25,800	51,400	27,500	9,000	36,900	108,400	40,900	40,900	22,500	8,400	8,400	7,080
14	24,100	43,000	25,800	8,400	34,900	130,400	36,900	36,900	20,900	7,800	8,400	6,480
15	24,100	38,900	22,500	8,400	33,000	170,500	33,000	34,900	24,100	7,200	9,600	6,720
16	22,500	73,200	20,900	8,400	34,900	187,500	31,100	36,900	22,500	7,200	9,600	5,900
17	20,900	281,500	19,400	8,400	38,900	163,600	27,500	40,900	20,900	7,800	10,200	5,600
18	19,400	272,700	17,900	9,000	53,500	132,600	25,800	40,900	18,600	8,400	10,200	6,960
19	19,400	249,500	17,200	9,600	75,400	108,400	24,100	40,900	19,400	8,400	9,600	10,900
20	20,200	213,400	16,400	13,600	90,800	101,800	22,500	51,400	20,900	7,800	9,000	9,600
21	22,500	168,200	16,400	36,900	75,400	123,800	22,500	64,400	25,800	7,080	9,000	8,400
22	27,500	128,200	15,700	101,800	64,400	177,700	25,800	64,400	24,100	6,600	8,400	6,840
23	31,100	97,400	15,700	134,800	53,500	200,200	36,900	55,600	20,900	47,200	9,600	6,240
24	31,100	77,600	16,400	161,300	51,400	159,000	51,400	57,800	19,400	38,900	9,000	5,200
25	34,900	64,400	22,500	148,200	57,800	119,400	55,600	77,600	17,900	22,500	8,400	5,100
26	51,400	55,600	29,300	88,600	84,200	93,000	49,300	168,200	16,400	16,400	7,800	4,730
27	71,000	49,300	27,500	66,600	106,200	75,400	43,000	177,700	16,400	14,300	7,800	4,730
28	71,000	47,200	24,100	45,100	97,400	64,400	51,400	143,600	17,900	12,900	7,200	5,000
29	62,200	45,100	20,900	36,900	------	57,800	71,000	108,400	16,400	12,200	6,720	4,550
30	49,300	40,900	18,600	43,000	------	53,500	73,200	84,200	15,000	12,200	6,960	4,550
31	43,000	------	17,900	53,500	------	49,300	------	66,600	------	14,300	7,800	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	71,000	17,900	33,300	1.38	1.59
November	281,500	27,500	83,600	3.47	3.87
December	38,900	15,700	23,800	.988	1.14
January	161,300	8,400	37,000	1.54	1.78
February	106,200	33,000	57,500	2.39	2.49
March	200,200	40,900	105,000	4.36	5.03
April	73,200	22,500	46,000	1.91	2.13
May	177,700	29,300	60,700	2.52	2.90
June	55,600	15,000	27,900	1.16	1.29
July	47,200	6,600	12,700	.527	.61
August	17,900	6,720	10,400	.432	.50
September	15,000	4,550	8,070	.335	.37
The year	281,500	4,550	42,100	1.75	23.70

UNADILLA RIVER NEAR NEW BERLIN, N. Y.

LOCATION.—Staff gage a quarter of a mile downstream from mouth of Shawler Brook and 1½ miles north of New Berlin, Chenango County.

DRAINAGE AREA.—192 square miles.

RECORDS AVAILABLE.—July, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, 4,030 second-feet March 14 (gage height, 7.8 feet); minimum, 19 second-feet August 27 (gage height, 1.18 feet).

1924–1927: Maximum discharge, that of March 14, 1927; minimum, 18 second-feet September 1, 1924.

REMARKS.—Records good, except those for periods of ice effect, December 6 to January 20, January 25–30, February 11–16, 21–23, and March 1–6, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	220	750	690	130	610	380	465	207	324	82	158	144
2	200	650	465	130	500	340	432	218	296	67	140	268
3	240	550	384	140	432	280	432	207	255	50	114	282
4	180	460	353	140	570	280	368	207	207	60	90	184
5	180	420	296	140	500	260	368	230	230	54	86	149
6	1,400	400	280	130	416	280	465	218	282	58	69	100
7	1,100	380	260	120	353	324	500	173	207	73	54	90
8	700	340	260	120	309	935	399	153	173	54	47	71
9	550	320	240	110	296	1,150	384	162	158	71	64	65
10	550	700	240	100	282	905	309	208	149	47	54	54
11	600	550	220	100	260	1,090	296	444	142	43	47	106
12	460	420	220	100	240	1,480	255	353	122	57	54	218
13	380	380	220	100	200	2,300	255	268	125	41	50	149
14	380	360	300	100	180	3,820	242	230	110	46	33	127
15	320	340	320	110	180	3,000	218	296	94	34	25	110
16	280	1,200	260	100	200	1,950	207	309	80	184	60	110
17	340	2,450	220	100	242	1,480	218	242	102	78	52	86
18	360	1,580	180	100	416	1,600	255	255	100	86	25	74
19	380	1,970	160	120	465	1,600	207	242	71	90	33	86
10	340	1,440	150	240	353	1,360	196	218	92	69	49	102
21	440	1,100	150	399	300	1,480	173	196	102	57	36	80
22	440	860	160	650	280	1,880	315	184	73	47	28	86
23	400	730	160	860	300	1,250	465	265	110	60	36	69
24	360	650	140	570	416	950	382	1,150	100	118	30	60
25	750	570	140	500	500	770	280	1,200	78	90	41	47
26	900	535	140	420	690	610	299	950	184	58	25	34
27	650	650	140	340	570	610	500	730	173	54	19	50
28	480	500	140	280	465	690	353	570	118	54	25	47
29	440	457	140	300	-------	570	282	465	94	67	106	57
30	400	780	140	420	-------	535	255	399	71	71	218	36
31	600	-------	130	770	-------	500	-------	368	-------	82	207	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,400	180	485	2.53	2.92
November	2,450	320	750	3.91	4.36
December	690	130	235	1.22	1.41
January	860	100	256	1.33	1.53
February	690	180	376	1.96	2.04
March	3,820	260	1,120	5.83	6.72
April	500	173	326	1.70	1.90
May	1,200	153	365	1.90	2.19
June	324	71	147	.766	.85
July	184	34	67.8	.353	.41
August	218	19	66.9	.348	.40
September	282	34	105	.547	.61
The year	3,820	19	358	1.86	25.34

CHENANGO RIVER NEAR CHENANGO FORKS, N. Y.

LOCATION.—Water-stage recorder 1½ miles below Chenango Forks, Broome County, and confluence with Tioughnioga River and 12 miles above Binghamton.

DRAINAGE AREA.—1,490 square miles.

RECORDS AVAILABLE.—November, 1912, to September, 1927.

EXTREMES.—Maximum discharge during year, 30,100 second-feet March 14 (gage height, 12.6 feet); minimum, 235 second-feet September 30 (gage height, 2.50 feet).

1912–1927: Maximum discharge, 35,500 second-feet March 27, 1913 (gage height, 13.7 feet); minimum, 92 second-feet several times in August and September, 1913 (gage height, 2.20 feet).

REMARKS.—Records excellent except for periods of ice effect, December 4 to February 24, which are fair. Small amount of water diverted into Mohawk River Basin.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,100	5,800	4,860	1,000	4,600	3,180	3,470	2,360	2,980	555	1,230	555
2	1,860	4,640	3,670	1,000	3,800	2,710	3,270	2,100	2,440	519	1,200	1,650
3	1,860	4,310	2,620	1,100	3,400	2,440	3,270	1,940	2,100	502	855	1,510
4	1,720	3,570	2,400	1,100	4,600	2,440	3,670	1,940	1,830	462	676	994
5	1,540	3,180	2,200	1,200	4,000	2,360	3,370	2,280	1,800	430	573	737
6	6,170	2,980	2,000	1,100	3,400	2,190	3,670	2,020	1,860	402	510	591
7	5,140	2,710	1,800	1,100	3,000	2,280	4,640	1,670	1,620	423	478	510
8	3,470	2,440	1,800	1,000	2,400	7,260	3,570	1,470	1,410	462	628	454
9	2,890	2,670	1,700	1,000	2,400	10,400	3,180	1,480	1,270	486	537	430
10	2,530	6,440	1,700	950	2,400	7,880	2,890	2,020	1,140	446	502	395
11	3,780	4,420	1,600	950	2,200	8,480	2,530	3,180	1,050	416	454	416
12	3,080	3,370	1,700	900	1,900	12,100	2,280	2,710	946	462	446	648
13	2,530	2,980	1,700	900	1,600	17,000	2,100	2,190	888	395	402	628
14	2,360	2,800	2,000	900	1,500	27,400	1,940	2,020	844	388	381	510
15	2,100	2,620	2,600	1,000	1,400	20,900	1,800	3,360	800	423	360	454
16	1,860	9,940	2,000	950	1,500	16,200	1,670	3,370	758	537	360	430
17	2,020	22,500	1,700	950	1,900	11,700	1,670	3,080	716	564	328	395
18	2,360	13,800	1,400	1,000	3,400	11,700	1,730	2,980	676	537	314	388
19	2,440	13,400	1,300	1,100	3,600	13,400	1,600	3,180	686	470	314	374
20	2,440	10,700	1,200	1,900	2,800	10,100	1,470	2,710	833	494	302	374
21	4,090	7,580	1,300	3,200	2,400	13,400	1,360	2,360	768	454	314	360
22	3,470	5,920	1,400	5,000	2,400	14,800	3,660	2,020	695	409	314	334
23	2,980	4,980	1,300	7,000	3,000	9,440	4,980	2,450	877	423	308	321
24	2,530	4,420	1,200	5,000	4,000	7,000	3,370	15,000	779	686	283	308
25	4,840	3,980	1,200	4,000	5,920	5,560	2,710	16,200	676	758	271	308
26	6,860	3,470	1,200	3,400	4,980	4,750	3,000	11,400	833	628	271	277
27	4,750	4,090	1,100	2,600	4,530	4,530	6,180	8,180	1,040	519	289	271
28	3,670	3,780	1,100	2,200	3,570	4,750	4,530	6,180	790	470	289	265
29	3,270	3,180	1,100	2,400	-------	4,310	3,270	4,640	657	462	367	265
30	2,890	4,980	1,100	3,200	-------	3,980	2,800	3,670	591	555	748	241
31	4,090	-------	1,100	6,000	-------	3,780	-------	3,270	-------	510	695	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	6,860	1,540	3,150	2.11	2.43
November	22,500	2,440	5,720	3.84	4.28
December	4,860	1,100	1,780	1.19	1.37
January	7,000	900	2,100	1.41	1.63
February	5,920	1,400	3,090	2.07	2.16
March	27,400	2,190	8,660	5.81	6.70
April	6,180	1,360	2,990	2.01	2.24
May	16,200	1,470	3,980	2.67	3.08
June	2,980	591	1,150	.772	.86
July	758	388	492	.330	.38
August	1,230	271	484	.325	.37
September	1,650	241	513	.344	.38
The year	27,400	241	2,840	1.91	25.88

TIOGA RIVER NEAR ERWINS, N. Y.

LOCATION.—Chain gage at highway bridge half a mile below Erwins, Steuben County, and 3 miles above confluence with Cohocton River.

DRAINAGE AREA.—1,320 square miles.

RECORDS AVAILABLE.—July, 1918, to September, 1927.

EXTREMES.—Maximum discharge during year, 26,000 second-feet November 17 (gage height, 12.2 feet); minimum, 57 second-feet September 29 (gage height 0.78 foot).

1918–1927: Maximum discharge, about 46,700 second-feet May 22, 1919 (gage height, 16.4 feet); minimum, 31 second-feet August 22, 1923 (gage height, 0.62 foot).

REMARKS.—Records good except for periods of ice effect, December 4 to January 21, January 26–28, February 9–15, 21, and March 3–6, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	680	3,880	1,490	300	3,310	1,830	1,490	1,490	1,490	198	1,300	143
2	565	2,300	1,180	a 280	2,600	1,330	1,490	1,280	1,180	172	959	143
3	496	1,830	680	280	2,200	1,100	1,490	1,180	985	186	565	143
4	464	1,490	500	300	3,810	950	1,690	1,560	895	176	375	137
5	404	1,330	a 440	a 300	1,950	900	3,180	5,110	1,330	152	265	120
6	1,160	1,280	400	280	1,710	1,200	4,790	2,630	1,130	152	214	102
7	1,070	1,130	380	260	2,200	3,000	6,140	1,830	850	152	186	96
8	805	985	420	260	1,490	15,100	3,270	1,710	720	186	172	96
9	602	1,030	420	a 240	1,100	7,140	2,600	3,530	602	190	210	82
10	496	2,990	420	a 240	950	5,050	2,070	4,610	530	172	190	105
11	496	1,730	400	a 240	850	4,050	1,600	2,890	464	155	a 170	a 100
12	640	1,180	400	a 240	750	5,630	1,380	2,070	404	137	149	97
13	496	1,030	420	a 220	650	9,390	1,280	1,710	375	125	137	91
14	433	985	550	260	600	14,400	1,080	1,380	375	131	a 137	98
15	375	1,060	800	a 260	700	9,170	985	1,710	404	149	172	82
16	322	11,900	550	a 240	1,180	5,240	895	1,710	375	176	222	78
17	322	19,200	460	240	4,980	4,320	805	1,710	322	186	206	80
18	348	6,550	a 400	240	4,960	4,160	940	1,380	298	194	149	74
19	496	12,600	a 380	260	2,920	5,830	805	a 1,350	a 350	190	125	80
20	720	5,240	a 340	380	a 2,070	4,820	762	a 1,300	640	152	143	78
21	985	3,490	380	2,000	1,300	15,100	700	a 1,250	720	128	140	76
22	985	2,740	340	11,900	a 1,710	11,600	1,730	a 1,200	496	162	143	67
23	680	2,200	340	8,170	2,780	5,430	2,180	2,210	375	222	162	69
24	a 720	1,950	a 340	4,320	6,520	3,810	1,440	11,700	322	322	143	67
25	2,580	1,710	a 380	2,880	6,190	2,880	1,180	10,000	298	298	115	69
26	3,700	1,440	a 340	1,600	a 3,650	2,460	1,990	7,780	298	226	110	71
27	2,070	1,830	a 300	a 900	3,180	2,330	3,100	7,380	433	186	110	60
28	1,490	1,380	a 320	800	2,460	2,880	3,880	3,980	404	172	105	64
29	1,180	1,180	a 300	1,490	-------	2,330	2,460	a 2,880	270	214	128	58
30	1,080	1,440	a 300	3,700	-------	1,830	1,950	2,200	226	239	143	67
31	a 1,960	-------	320	7,380	-------	1,710	-------	1,950	-------	957	176	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	3,700	322	930	0.705	0.81
November	19,200	985	3,300	2.50	2.79
December	1,490	300	474	.359	.41
January	11,900	220	1,630	1.23	1.42
February	6,520	600	2,460	1.86	1.94
March	15,100	900	5,060	3.83	4.42
April	6,140	700	1,980	1.50	1.67
May	11,700	1,180	3,050	2.31	2.66
June	1,490	226	585	.443	.49
July	957	125	208	.158	.18
August	1,300	105	243	.184	.21
September	143	58	89.4	.068	.08
The year	19,200	58	1,660	1.26	17.08

a Estimated.

CHEMUNG RIVER AT CHEMUNG, N. Y.

LOCATION.—Chain-and-reel gage at highway bridge three-fourths of a mile southwest of Chemung, Chemung County, half a mile above State line.

DRAINAGE AREA.—2,440 square miles.

RECORDS AVAILABLE.—September, 1903, to September, 1927.

EXTREMES.—Maximum discharge during year, 40,500 second-feet November 17 (gage height, 14.1 feet); minimum, 139 second-feet September 30 (gage height, 1.63 feet).

1903–1927: Maximum discharge, about 67,000 second-feet March 15, 1918 (gage height, 17.96 feet); minimum, 49 second-feet August 14, 1911 (gage height, 1.47 feet).

REMARKS.—Records good except those for periods of ice effect December 4 to January 21, February 10–15, and March 3–6, which are fair. Discharge estimated November 27.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,300	7,220	2,930	600	6,750	3,840	2,930	2,140	3,280	475	1,730	350
2	1,100	4,440	2,290	600	4,650	2,930	2,930	2,000	2,600	442	1,860	380
3	950	3,650	1,480	550	4,240	2,400	2,930	1,860	2,140	442	1,250	350
4	905	2,930	1,100	600	5,300	2,000	3,460	1,860	1,860	410	860	322
5	860	2,440	900	600	4,440	2,000	4,300	4,950	1,860	380	690	290
6	1,200	2,140	800	600	3,280	2,200	9,130	4,740	2,140	322	580	260
7	2,000	2,000	750	550	3,280	3,670	10,600	2,930	1,730	475	510	250
8	1,480	1,860	750	550	2,930	19,000	7,500	2,440	1,480	380	510	219
9	1,200	1,600	800	500	2,600	17,600	5,300	5,640	1,360	380	410	215
10	1,000	2,760	800	500	2,200	10,000	4,240	12,100	1,200	350	410	206
11	905	3,280	800	500	1,900	8,750	3,460	6,870	1,050	350	380	228
12	1,000	2,140	750	500	1,600	10,700	3,100	4,770	950	322	350	198
13	950	1,730	800	500	1,400	13,100	2,440	3,650	905	322	295	206
14	815	1,600	1,000	550	1,200	20,000	2,290	2,930	905	295	295	194
15	770	1,600	1,600	500	1,400	19,600	2,000	3,280	770	350	350	171
16	690	9,780	1,300	500	2,000	11,000	1,730	3,460	815	380	322	179
17	652	33,200	1,000	500	6,370	8,140	1,730	3,650	770	380	380	190
18	615	13,700	800	550	13,500	7,010	1,730	2,930	652	410	350	186
19	690	18,900	750	550	6,750	10,700	1,600	2,930	652	442	285	163
20	770	11,900	750	550	3,840	8,270	1,480	3,840	730	410	270	156
21	1,200	7,280	750	1,400	2,140	21,900	1,360	3,100	1,300	322	275	149
22	1,600	5,760	750	7,380	2,930	23,800	2,510	2,440	1,050	295	280	153
23	1,250	4,860	700	15,700	3,740	12,000	3,860	3,300	770	410	322	153
24	1,100	4,040	700	7,640	10,600	8,140	2,560	19,300	730	510	322	149
25	2,140	3,460	700	4,860	9,990	6,240	2,140	23,600	652	580	295	149
26	6,640	2,930	700	3,650	10,700	5,080	2,000	16,800	652	510	255	143
27	4,040	3,020	650	2,000	7,030	4,440	3,430	14,900	652	475	265	149
28	2,930	3,100	650	1,540	5,080	5,530	5,340	9,700	730	410	245	149
29	2,290	2,000	600	2,440	-------	4,240	3,840	6,490	615	410	322	143
30	2,000	2,140	600	5,060	-------	3,650	2,930	5,080	545	442	350	139
31	2,730	-------	600	13,800	-------	3,280	-------	4,040	-------	690	322	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	6,640	615	1,540	0.631	0.73
November	33,200	1,600	5,580	2.29	2.56
December	2,930	600	953	.390	.45
January	15,700	500	2,460	1.01	1.16
February	13,500	1,200	4,710	1.93	2.01
March	23,800	2,000	9,070	3.72	4.29
April	10,600	1,360	3,490	1.43	1.60
May	23,600	1,860	6,070	2.49	2.87
June	3,280	545	1,180	.484	.54
July	580	295	412	.169	.19
August	1,860	245	495	.203	.23
September	380	139	206	.084	.09
The year	33,200	139	3,000	1.23	16.72

CANACADEA CREEK AT HORNELL, N. Y.

LOCATION.—Staff gage at Seneca Street Bridge in Hornell, Steuben County, half a mile above confluence with Canisteo River.

DRAINAGE AREA.—59 square miles (revised).

RECORDS AVAILABLE.—October, 1924, to September, 1927

EXTREMES.—Maximum discharge during year, 3,730 second-feet May 23 (gage height, 9.1 feet); minimum, 6.8 second-feet September 9 (gage height, 1.15 feet).

1924–1927: Maximum discharge, that of May 23, 1927; minimum, about 2.7 second-feet November 4, 1924 (gage height, 0.98 foot).

REMARKS.—Records good except those for periods of ice effect, December 5 to January 20, January 25–29, February 11–15, 20–22, 26–28, and March 1–5, for estimated periods, August 28 and September 10, and for high stages, which are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	130	71		81	55	66	37	45	13	99	8.3
2	28	130	55	13	55	46	58	35	39	13	64	8.3
3	28	85	49		46	40	61	34	30	13	35	8.3
4	25	71	42		107	42	67	67	34	12	32	8.9
5	21	67	36	17	81	44	289	115	34	12	30	8.3
6	111	64	32	13	61	55	426	61	34	12	14	7.8
7	76	67	30	11	67	146	210	49	30	14	14	7.3
8	60	61	38	10	49	411	109	35	25	14	14	7.3
9	39	58	32	10	37	111	88	394	22	13	13	7.3
10	30	103	26	9	34	83	69	234	21	13	13	9.6
11	44	60	22	9	30	99	55	146	19	11	13	11
12	36	45	28	8	26	188	44	99	19	11	12	8.3
13	30	45	34	10	20	327	40	85	18	11	11	11
14	25	44	80	11	22	832	35	81	17	12	11	9.6
15	21	46	48	10	32	222	30	92	15	12	10	7.3
16	19	393	34	8	66	140	32	99	14	11	11	7.3
17	18	210	26	8	232	119	44	71	14	14	12	8.3
18	21	119	18	8	264	204	36	74	14	13	12	8.3
19	67	140	14	14	79	178	34	74	16	11	11	7.3
20	49	107	12	30	38	381	30	74	21	8.3	12	7.3
21	81	107	14	151	28	684	30	62	19	8.9	17	7.3
22	56	95		594	70	380	69	48	19	25	16	8.3
23	55	67		192	236	248	50	412	19	23	13	7.8
24	52	58		90	174	119	40	1,230	17	20	12	7.8
25	326	54		75	140	92	44	489	18	18	11	8.3
26	174	55	13	60	120	74	56	275	37	14	7.8	8.3
27	107	95		55	90	81	148	210	22	13	8.3	8.3
28	76	44		44	60	99	162	115	17	13	9.6	7.8
29	67	44		50	------	92	71	58	15	18	12	7.8
30	56	109		346	------	78	44	40	14	26	11	7.3
31	274	------		113	------	72	------	45	------	98	9.6	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	326	18	67.9	1.15	1.33
November	393	44	92.4	1.57	1.75
December	80	12	38.1	.476	.55
January	594	8	64.8	1.10	1.27
February	264	20	83.8	1.42	1.48
March	832	40	185	3.14	3.62
April	426	30	84.6	1.43	1.60
May	1,230	34	159	2.69	3.10
June	45	14	22.6	.383	.43
July	98	8.3	16.8	.285	.33
August	99	7.8	18.4	.312	.36
September	11	7.3	8.20	.139	.16
The year	1,230	7.3	69.4	1.18	15.98

COHOCTON RIVER NEAR CAMPBELL, N. Y.

LOCATION.—Chain gage at highway bridge 2 miles above Campbell, Steuben County, and 10½ miles above confluence with Tioga River.

DRAINAGE AREA.—478 square miles (revised).

RECORDS AVAILABLE.—July, 1918, to September, 1927.

EXTREMES.—Maximum discharge during year, 6,380 second-feet May 24 (gage height, 6.2 feet); minimum, 38 second-feet September 25 and 26 (gage height, 0.65 foot).

1918–1927: Maximum discharge, 11,300 second-feet March 12, 1920 (gage height, 9.62 feet); minimum, 13 second-feet October 7, 1921 (gage height, 0.68 foot).

REMARKS.—Records fair. Discharge estimated December 2 to February 23 and March 1–6 because of ice effect.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	380	1,000	668	190	1,100	750	668	299	735	150	420	80
2	320	850	500	180	900	650	668	294	602	140	340	90
3	300	650	360	180	850	500	668	268	510	130	240	100
4	260	600	320	200	1,000	460	844	285	482	130	190	90
5	200	550	300	190	850	440	1,640	602	510	110	170	80
6	500	500	280	180	750	480	2,580	428	455	110	160	75
7	440	440	260	180	800	635	2,880	331	400	90	150	65
8	360	400	280	170	750	920	1,980	322	355	100	130	65
9	320	460	280	160	650	1,550	1,450	1,140	322	110	120	60
10	280	550	280	160	550	1,350	1,080	1,140	299	100	110	55
11	300	440	280	150	460	1,350	920	845	259	95	110	60
12	260	360	260	150	400	1,550	700	668	255	95	100	55
13	260	320	260	150	340	2,100	635	570	251	95	95	65
14	220	340	300	180	320	3,280	602	540	234	130	90	60
15	200	320	400	160	380	2,600	510	570	222	130	100	60
16	180	1,770	340	160	500	1,870	482	570	199	130	85	55
17	180	2,860	300	170	850	1,650	510	570	199	110	75	55
18	200	2,600	280	170	1,300	1,350	455	482	188	110	70	55
19	220	2,730	260	240	900	1,550	428	482	199	95	80	50
20	360	1,980	240	360	600	1,870	400	455	312	85	80	48
21	340	1,350	260	750	550	3,580	428	400	255	80	80	48
22	300	1,170	240	1,300	600	3,000	428	370	234	90	160	46
23	260	1,170	220	1,100	750	1,980	400	399	188	190	130	46
24	280	1,040	220	900	1,350	1,550	380	5,690	184	220	95	44
25	500	882	240	700	1,870	1,260	355	3,400	199	160	90	40
26	550	735	220	550	1,650	1,080	341	3,000	226	120	70	40
27	650	700	190	440	1,080	960	395	2,730	195	110	70	42
28	700	602	220	400	920	1,040	428	1,980	188	140	70	46
29	600	635	200	420	-------	845	360	1,550	180	140	85	42
30	850	668	180	750	-------	770	322	1,170	159	300	100	46
31	1,200	-------	200	1,400	-------	700	-------	960	-------	550	90	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,200	180	386	0.808	0.93
November	2,860	320	956	2.00	2.23
December	668	180	285	.596	.69
January	1,400	150	400	.837	.96
February	1,870	320	822	1.72	1.79
March	3,580	440	1,410	2.95	3.40
April	2,880	322	798	1.67	1.86
May	5,690	268	1,050	2.20	2.54
June	735	159	300	.628	.70
July	550	80	140	.293	.34
August	420	70	128	.268	.31
September	100	40	58.8	.123	.14
The year	5,690	40	559	1.17	15.89

DEER CREEK AT ROCKS, MD.

LOCATION.—Water-stage recorder one-fourth mile below Maryland & Pennsylvania Railroad bridge and 1 mile below Rocks, Harford County.

DRAINAGE AREA.—94.8 square miles.

RECORDS AVAILABLE.—October to November, 1926; December, 1926, to September, 1927.

EXTREMES.—Maximum stage during year, 15.53 feet November 16 (discharge not determined); minimum discharge, 36 second-feet September 27 (gage height, 1.56 feet).

REMARKS.—Records excellent. Discharge estimated because of ice effect December 17–21, January 8–12, and 16–18, and because of no record December 3–8.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	145	170	------	112	112	170	158	212	101	92	289	62
2	122	134	151	101	112	158	170	158	92	76	112	56
3	122	122		101	112	158	170	145	101	76	76	56
4	134	122		278	112	145	145	145	122	76	68	51
5	112	122	120	158	112	134	134	145	145	68	62	56
6	245	112		112	112	145	145	145	101	68	62	51
7	145	112		101	112	145	134	134	92	68	62	51
8	122	112			122	170	122	122	92	68	76	51
9	112	300	122		122	145	134	134	92	62	68	51
10	101	252	134	105	134	134	134	164	92	62	56	51
11	112	145	145		122	134	122	197	83	68	56	51
12	101	134	145		112	122	112	134	83	68	56	51
13	101	122	170	257	112	122	112	122	83	62	56	51
14	112	122	158	618	122	145	122	134	112	62	56	51
15	101	134	122	184	197	145	112	158	112	62	68	46
16	101	------	101		170	122	101	134	92	68	56	44
17	92	------		180	134	122	112	122	83	76	51	44
18	101	------			197	122	112	134	83	62	254	51
19	101	------		197	273	134	101	134	92	476	92	292
20	101	------	100	212	212	212	101	122	122	122	68	76
21	122	------		242	212	158	122	112	92	76	62	56
22	101	------	112	170	184	145	822	112	83	68	62	51
23	101	------	101	170	242	134	273	112	83	68	62	51
24	101	------	92	145	305	122	184	112	76	68	62	51
25	564	------	162	134	273	122	170	112	76	62	56	46
26	184	------	676	122	305	122	158	134	76	62	56	51
27	145	------	134	122	226	122	170	122	76	62	62	46
28	134	------	726	197	197	112	170	112	68	76	62	51
29	122	------	283	542	------	112	145	101	68	62	62	46
30	122	------	158	170	------	112	170	112	68	62	56	51
31	208	------	134	134	------	112	------	112	------	211	68	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	564	92	138	1.46	1.68
November 1–15	300	112	148	1.56	.87
December 2–31	726	92	168	1.77	1.98
January	618	101	182	1.92	2.21
February	305	112	170	1.79	1.86
March	212	112	137	1.45	1.67
April	822	101	165	1.74	1.94
May	212	101	134	1.41	1.63
June	145	68	91.4	.964	1.08
July	476	62	87.7	.925	1.07
August	289	51	77.9	.822	.95
September	292	44	59.8	.631	.70

GUNPOWDER RIVER BASIN

LITTLE GUNPOWDER FALLS AT LAUREL BROOK, MD.

LOCATION.—Water-stage recorder half a mile southwest of town of Laurel Brook, Harford County, and 700 feet above mouth of Laurel Brook.
DRAINAGE AREA.—35.7 square miles.
RECORDS AVAILABLE.—December, 1926, February to September, 1927.
EXTREMES.—Maximum stage during year, 9.3 feet November 16, 1926 (discharge not determined); minimum discharge, 12 second-feet September 28 (gage height, 0.85 foot).
REMARKS.—Records fair. Discharge estimated because of ice effect December 7 and 16–19.

Daily and monthly discharge, in second-feet, 1926–27

Day	Dec.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			52	62	67	38	38	42	37
2			50	60	52	34	29	31	24
3			48	68	50	35	28	24	22
4			45	52	48	58	27	22	21
5			46	47	49	75	26	21	20
6			49	52	53	38	25	20	18
7	39		48	44	49	36	27	20	18
8	39		54	43	45	36	26	25	18
9	39		48	48	51	34	24	24	19
10	50		45	47	51	34	27	20	19
11	47		44	46	60	34	28	18	19
12	43		44	41	47	31	26	19	18
13	56		44	42	44	33	25	16	18
14	51		54	46	47	43	24	22	18
15	48		50	40	52	47	24	25	18
16			46	40	45	35	25	19	17
17	45		44	40	44	34	24	18	17
18			44	39	50	31	24	36	17
19			45	38	53	36	28	24	67
20	45		73	39	45	44	26	20	24
21	48		57	79	43	38	24	19	20
22	54		51	503	42	34	22	20	18
23	58		46	114	41	32	27	19	18
24	58	108	44	76	40	31	22	18	18
25	62	82	44	61	42	30	22	18	18
26		80	43	57	46	30	21	18	18
27		60	43	62	41	28	20	19	18
28		57	41	58	38	28	20	20	17
29			41	54	38	27	20	21	17
30			41	63	39	27	22	19	16
31			42		38		29	93	

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
December 7–25	62		48.3	1.35	0.95
February 24–28	108	57	77.4	2.17	.40
March	73	41	47.3	1.32	1.52
April	503	38	68.7	1.92	2.14
May	67	38	46.8	1.31	1.51
June	75	27	36.4	1.02	1.14
July	38	20	25.2	.706	.81
August	93	16	24.2	.678	.78
September	67	16	20.9	.585	.65

PATAPSCO RIVER BASIN

NORTH BRANCH OF PATAPSCO RIVER NEAR REISTERSTOWN, MD.

LOCATION.—Water-stage recorder on Louisville-Delight road, 600 feet above mouth of Cook Branch and 3½ miles southwest of Reisterstown, Baltimore County.

DRAINAGE AREA.—91 square miles.

RECORDS AVAILABLE.—June to September, 1927.

EXTREMES.—Maximum discharge during period, about 1,680 second-feet September 9 (gage height, 5.92 feet); minimum, 33 second-feet September 16 and 17 (gage height, 1.33 feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1926–27

Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.
1		116	197	46	16		82	48	36
2		99	77	44	17		82	45	35
3		95	52	43	18		83	249	37
4		93	50	41	19		149	74	573
5		88	48	39	20		99	56	76
6		88	47	38	21		88	52	54
7		102	49	38	22		87	48	47
8		90	61	38	23		90	52	44
9		83	52	43	24		83	46	43
10		88	45	41	25		80	44	41
11		93	43	39	26		79	44	40
12		88	44	38	27		77	45	40
13		85	42	37	28		76	46	39
14		82	107	37	29		93	46	40
15		80	77	37	30	93	120	44	38
					31		129	74	

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
July	149	76	92.5	1.02	1.18
August	249	42	64.6	.710	.82
September	573	35	59.4	.653	.73

PATUXENT RIVER BASIN

PATUXENT RIVER NEAR BURTONSVILLE, MD.

LOCATION.—Water-stage recorder at Columbia Turnpike bridge, 1½ miles northeast of Burtonsville, Montgomery County, and 4 miles northwest of Laurel.

DRAINAGE AREA.—127 square miles.

RECORDS AVAILABLE.—July, 1911, to June, 1912; July, 1913, to September, 1927.

EXTREMES.—Maximum discharge during year, about 3,270 second-feet November 16 (gage height, 12.40 feet); minimum, 35 second-feet September 16–19 (gage height, 2.00 feet).

1911–1927: Maximum discharge, about 4,500 second-feet September 5, 1926 (gage height, 15.27 feet); minimum, 6 second-feet August 25, 1911 (gage height, 0.18 foot).

REMARKS.—Records good. Discharge estimated because of ice December 18 and January 9–12 and because of missing gage-height record December 19–26, June 18, and 19.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	140	353	185	160	133	195	204	214	139	91	165	74
2	117	130	150	147	130	187	250	170	125	86	155	69
3	101	115	135	143	127	166	278	160	120	83	74	64
4	86	103	135	157	130	161	195	155	130	79	72	60
5	80	101	131	167	128	161	178	173	155	73	70	56
6	362	98	122	147	131	172	228	183	119	73	63	52
7	153	96	125	130	167	180	178	168	113	74	63	48
8	104	98	123	123	189	190	158	152	116	73	66	47
9	92	207	127		150	166	182	194	110	69	66	60
10	86	273	171	130	143	153	216	204	106	80	61	61
11	83	119	199		145	147	170	488	104	81	57	55
12	80	104	152		138	147	157	194	101	74	57	50
13	78	103	185	164	136	144	153	175	161	70	59	47
14	80	100	199	310	165	182	161	173	241	65	159	40
15	75	111	164	167	172	180	147	200	232	68	228	40
16	72	1,740	145	135	147	149	142	172	125	64	86	37
17	71	846	131	271	143	145	144	163	110	60	72	35
18	67	363	120	226	271	142	139	163	110	57	87	35
19	60	796		185	302	147	134	183	160	128	84	155
20	80	239		216	335	197	139	157	125	91	72	77
21	109	199		194	324	172	259	144	118	66	68	57
22	76	189		169	292	187	1,260	142	112	63	65	51
23	72	176	160	190	416	157	416	141	107	77	180	51
24	88	160		162	428	150	259	139	98	65	88	47
25	399	162		148	358	149	218	137	97	60	72	46
26	150	176		136	306	147	199	170	94	57	68	45
27	114	241	165	117	241	150	200	142	88	54	66	40
28	101	143	379	150	214	147	223	130	86	50	66	39
29	96	138	344	313	------	145	180	130	84	51	69	40
30	92	302	192	203	------	142	194	137	81	144	66	41
31	213	------	162	172	------	144	------	139	------	124	101	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	399	60	115	0.906	1.04
November	1,740	96	266	2.09	2.33
December	379	----------	168	1.32	1.52
January	313	117	172	1.35	1.56
February	428	127	213	1.68	1.75
March	197	142	161	1.27	1.46
April	1,260	134	232	1.83	2.04
May	488	130	174	1.37	1.58
June	241	81	122	.961	1.07
July	144	50	75.8	.597	.69
August	228	57	87.9	.692	.80
September	155	35	54.0	.425	.47
The year	1,740	35	153	1.20	16.31

POTOMAC RIVER BASIN

NORTH BRANCH OF POTOMAC RIVER AT BLOOMINGTON, MD.

LOCATION.—Chain gage at highway bridge at Bloomington, Garrett County, 2 miles above Piedmont, W. Va., and 600 feet above mouth of Savage River.

DRAINAGE AREA.—287 square miles.

RECORDS AVAILABLE.—October, 1924, to September, 1927 (discontinued).

EXTREMES.—Maximum discharge during year, 4,290 second-feet April 30 (gage height, 8.10 feet); minimum, 43 second-feet July 29 (gage height, 2.40 feet).

1924–1927: Maximum discharge, 5,250 second-feet August 19, 1926 (gage height, 8.85 feet); minimum, 30 second-feet November 9 and 10, 1924 (gage height, 2.26 feet).

Highest known stage, 20.3 feet March 29, 1924.

REMARKS.—Records good. Low-water flow affected by storage reservoir on Stony River; capacity, 204 billion cubic feet. Discharge estimated or interpolated because of ice January 13–15, 17, 18, and because of missing record October 31, January 2, 8, 23, 29, June 19, 26, July 3–5, September 9, 10.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	369	498	476	696	644	806	924	2,340	315	178	252	162
2	369	453	410	550	594	750	1,670	1,500	267	178	498	126
3	1,260	410	332	570	545	594	1,420	1,120	369	159	282	102
4	696	369	332	522	545	545	1,260	986	390	140	267	80
5	522	332	332	594	594	545	1,190	806	1,260	122	236	74
6	453	298	522	498	2,450	644	1,760	696	696	104	178	71
7	369	267	410	410	3,270	1,340	1,340	522	570	98	121	67
8	298	267	594	340	1,560	2,450	1,050	453	498	315	107	65
9	267	298	924	315	1,120	1,760	1,340	545	390	206	369	70
10	252	1,260	924	332	924	1,190	1,420	453	332	159	315	75
11	206	696	924	298	806	924	1,590	410	315	104	206	80
12	206	522	696	282	750	806	1,120	410	236	124	192	74
13	192	476	1,190		696	696	986	453	350	109	162	71
14	350	453	1,120	250	696	696	1,120	432	1,260	77	102	68
15	282	410	864		1,670	696	750	696	1,670	65	131	67
16	221	1,850	619	236	1,050	644	696	864	750	60	126	70
17	350	1,850	594	270	986	570	644	1,120	545	54	87	54
18	432	1,120	545	270	1,500	522	570	806	476	51	78	50
19	315	1,500	619	315	1,850	498	545	1,500	798	47	85	65
20	315	924	750	2,240	1,420	1,670	594	864	1,120	57	94	74
21	924	806	1,670	4,160	1,190	1,190	476	594	750	52	112	68
22	594	696	2,450	3,140	924	1,260	924	498	570	65	96	61
23	453	594	1,670	3,000	1,500	986	750	594	498	192	80	60
24	410	570	1,190	2,670	2,450	806	644	498	644	136	78	54
25	1,670	498	1,670	1,670	1,940	696	594	390	410	87	65	52
26	924	522	3,140	1,120	1,850	696	522	410	390	65	62	53
27	696	545	1,850	696	1,340	644	545	806	369	55	60	52
28	594	432	1,340	644	1,050	570	696	476	298	50	53	52
29	545	410	1,500	750	------	522	545	390	252	44	924	50
30	570	453	986	806	------	476	4,290	390	192	47	315	50
31	525	------	806	864	------	453	------	332	------	92	192	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,670	192	504	1.76	2.03
November	1,850	267	659	2.30	2.57
December	3,140	332	1,010	3.52	4.06
January	4,160	----------	936	3.26	3.76
February	3,270	545	1,280	4.46	4.64
March	2,450	453	860	3.00	3.46
April	4,290	476	1,070	3.73	4.16
May	2,340	332	721	2.51	2.89
Jnue	1,670	192	566	1.97	2.20
July	315	44	106	.369	.43
August	924	53	191	.666	.77
September	162	50	70.6	.246	.27
The year	4,290	44	661	2.30	31.24

POTOMAC RIVER AT POINT OF ROCKS, MD.

LOCATION.—Chain gage at highway bridge at Point of Rocks, Frederick County, one-third mile below Catoctin Creek and 6 miles above Monocacy River.

DRAINAGE AREA.—9,650 square miles.

RECORDS AVAILABLE.—February, 1895, to September, 1927.

EXTREMES.—Maximum discharge during year, 79,700 second-feet November 17 and 18 (gage height, 13.88 feet); minimum, 974 second-feet September 18 and 30 (gage height, 0.68 foot).

1895–1927: Maximum discharge, 258,000 second-feet May 13, 1924 (gage height, 32.2 feet); minimum, 540 second-feet September 10, 1914 (gage height, 0.38 foot).

Highest known stage, 40.2 feet in 1889 (discharge, about 320,000 second-feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,750	6,900	5,000	16,000	10,700	26,600	8,980	20,700	7,710	3,580	3,750	2,290
2	3,410	6,510	4,630	14,000	10,300	23,900	14,000	47,700	7,300	3,250	3,920	1,930
3	4,810	5,750	4,270	13,100	9,850	18,600	24,400	32,900	7,300	3,250	4,270	1,640
4	9,850	5,000	3,920	12,600	8,980	13,500	30,600	29,400	7,300	3,250	3,750	2,290
5	10,700	4,630	8,980	11,200	8,550	11,200	28,300	27,200	8,550	3,250	3,250	2,290
6	11,600	4,270	9,850	9,850	8,980	14,500	30,000	18,600	25,500	3,250	2,920	2,290
7	10,700	3,920	9,410	9,410	17,600	15,000	26,600	16,000	18,600	3,250	2,920	2,440
8	9,850	3,580	8,980	8,980	27,700	16,500	24,400	14,500	17,600	3,080	2,760	2,290
9	7,300	3,250	9,410	8,130	23,400	21,200	23,900	13,100	13,500	2,920	2,600	1,930
10	5,750	2,920	9,850	7,300	18,600	21,800	24,400	11,200	8,980	3,080	2,600	1,370
11	5,750	15,500	9,410	6,510	16,000	18,100	38,700	8,980	6,900	3,080	2,760	1,370
12	4,450	13,500	8,980	6,130	15,500	12,600	31,700	13,500	6,510	3,250	2,920	1,370
13	4,090	11,600	9,850	6,130	14,000	12,100	29,400	13,100	6,510	3,250	2,920	1,370
14	3,750	9,850	9,410	6,510	12,100	11,600	26,600	11,200	8,980	3,080	3,250	1,280
15	3,410	7,710	8,980	6,900	11,600	11,200	19,600	12,100	10,700	3,080	4,270	1,140
16	3,080	34,800	8,130	6,900	10,700	10,700	17,000	11,200	14,500	2,920	3,920	1,140
17	2,760	70,700	8,130	6,510	11,200	10,700	16,000	10,700	13,500	2,920	3,580	1,070
18	2,140	72,300	7,710	6,130	15,000	10,300	15,000	11,600	11,200	2,920	3,250	974
19	3,410	62,800	7,710	6,510	20,200	9,850	13,500	10,700	8,980	2,920	2,920	1,640
20	3,080	55,200	7,300	6,900	30,000	10,700	12,600	8,980	10,300	2,920	2,760	1,640
21	2,760	31,700	6,900	8,980	35,500	18,100	10,700	8,130	9,850	2,760	2,920	1,530
22	2,140	23,900	8,980	17,600	28,800	22,300	12,100	5,000	9,410	2,920	2,920	1,370
23	2,140	20,200	8,550	18,600	25,500	18,600	41,400	4,630	8,130	2,920	2,920	1,370
24	2,440	13,500	8,980	20,200	31,100	17,000	37,400	4,270	6,900	3,580	2,920	1,280
25	3,750	10,700	9,410	18,600	60,500	13,500	29,400	9,410	6,130	4,620	3,250	1,280
26	18,600	8,550	23,900	15,500	49,200	11,200	26,600	9,850	5,370	3,920	3,080	1,180
27	16,500	8,980	58,200	13,500	42,100	11,200	24,400	10,700	4,630	3,580	2,920	1,140
28	13,100	11,200	43,500	11,600	31,700	10,700	21,800	10,300	4,270	3,250	2,920	1,140
29	10,300	8,550	29,400	9,850	-------	9,850	16,000	9,850	3,920	3,250	2,600	1,070
30	9,850	5,750	23,900	11,200	-------	8,980	19,600	8,980	3,580	3,080	2,440	974
31	8,550	-------	18,600	10,700	-------	8,550	-------	8,550	-------	3,250	2,290	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	18,600	2,140	6,570	0.681	0.79
November	72,300	2,920	18,100	1.88	2.10
December	58,200	3,920	12,900	1.34	1.54
January	20,200	6,130	10,700	1.11	1.28
February	60,500	8,550	21,600	2.24	2.33
March	26,600	8,550	14,500	1.50	1.73
April	41,400	8,980	23,200	2.40	2.68
May	47,700	4,270	14,000	1.45	1.67
June	25,500	3,580	9,420	.976	1.09
July	4,630	2,760	3,210	.333	.38
August	4,270	2,290	3,110	.322	.37
September	2,440	974	1,540	.160	.18
The year	72,300	974	11,500	1.19	16.14

SAVAGE RIVER AT BLOOMINGTON, MD.

LOCATION.—Staff gage attached to bedrock at Bloomington, Garrett County, 1,400 feet above mouth and 2 miles above Piedmont, W. Va.

DRAINAGE AREA.—115 square miles.

RECORDS AVAILABLE.—May, 1905, to July, 1906; October, 1924, to September, 1927 (discontinued).

EXTREMES.—Maximum discharge during year, 2,090 second-feet April 30; minimum, about 3 second-feet September 17.

1924–1927: Maximum discharge, 2,730 second-feet November 13, 1925; minimum, 2.4 second-feet September 11, 1924.

REMARKS.—Records October to June, good; others, fair. Diversions by cities of Piedmont and Westernport for water supply and by Baltimore & Ohio Railroad. Discharge estimated because of ice effect January 10–17 and because of missing gage-height record October 31, January 2, 8, 23, 29, June 19, 26, July 3–5, and September 10.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	124	162	142	196	198	380	340	1,540	166	42	45	14
2	132	142	132	160	186	320	645	645	147	94	66	12
3	529	132	132	172	175	253	920	468	175	78	39	11
4	412	116	152	152	175	211	705	380	175	62	28	10
5	265	108	152	132	186	166	540	302	920	46	22	9
6	280	100	108	116	840	224	565	238	645	30	18	8
7	250	96	48	81	1,110	445	540	224	468	31	12	8
8	124	82	162	65	645	965	490	224	360	35	16	7
9	100	116	298	59	445	770	540	224	269	21	73	8
10	82	390	315		360	540	515	198	186	40	37	10
11	75	333	280		285	400	805	198	166	27	28	12
12	63	265	250		253	380	618	186	147	23	40	15
13	59	222	315		211	302	565	175	120	20	33	11
14	63	209	390	45	224	302	468	166	224	20	21	9
15	49	162	412		565	238	400	175	224	21	33	8
16	44	918	315		565	211	360	198	156	18	24	7
17	53	918	250		468	198	320	211	119	14	16	4
18	42	556	172	66	645	175	269	253	110	16	16	9
19	46	529	108	68	770	175	224	285	120	14	16	8
20	80	457	222	315	224	675	224	320	130	12	45	8
21	172	370	250	1,820	445	675	198	285	114	12	27	7
22	132	280	370	1,680	400	705	340	238	103	24	19	7
23	116	222	351	1,400	468	515	285	380	94	128	16	7
24	162	196	351	1,010	1,760	380	285	285	89	42	14	6
25	529	80	390	645	1,110	320	269	238	80	28	13	6
26	412	82	881	422	840	302	238	224	75	18	11	6
27	333	172	611	285	618	253	224	238	69	15	10	5
28	280	142	434	253	468	211	224	186	58	13	11	5
29	250	124	370	275	------	175	211	186	42	12	20	5
30	222	142	280	302	------	166	2,090	186	40	12	18	5
31	180	------	222	238	------	166	------	175	------	21	15	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	529	42	183	1.59	1.83
November	918	80	261	2.27	2.53
December	881	48	286	2.49	2.87
January	1,820	----------	331	2.88	3.32
February	1,760	175	523	4.55	4.74
March	965	166	361	3.14	3.62
April	2,090	198	481	4.18	4.66
May	1,540	166	298	2.59	2.99
June	920	40	193	1.68	1.87
July	128	12	31.9	.277	.32
August	73	10	25.9	.225	.26
September	15	4	8.2	.071	.08
The year	2,090	4	246	2.14	29.09

CACAPON RIVER NEAR GREAT CACAPON, W. VA.

LOCATION.—Staff gage at Rock Ford, 6½ miles above Great Cacapon, Morgan County, and mouth of river.

DRAINAGE AREA.—670 square miles.

RECORDS AVAILABLE.—December, 1922, to September, 1927.

EXTREMES.—Maximum stage during year, about 10.2 feet during period November 15–17 (discharge not determined); minimum, 51 second-feet September 18, 23–25, and 27–30 (gage height, 0.50 foot).

1922–1927: Maximum discharge, about 34,000 second-feet May 12, 1924 (gage height, 19.32 feet); minimum, 38 second-feet July 28, 1923, and September 25, 1925 (gage height, 0.38 foot).

REMARKS.—Records good. Discharge estimated because of ice December 6–8 and January 10–19 and because of missing gage-height record November 10–17.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	204	275	478	960	564	1,890	542	4,220	324	133	179	76
2	191	245	478	803	520	1,140	1,730	3,150	291	117	167	74
3	260	231	397	704	478	1,280	2,720	1,730	275	113	155	73
4	499	204	359	704	457	1,020	2,720	1,490	324	111	123	78
5	437	179	359	704	457	906	2,420	1,280	753	108	111	79
6	417	179		609	609	564	2,240	1,020	542	102	104	67
7	397	155	330	499	960	704	1,970	803	397	102	99	64
8	341	155		378	1,140	1,420	1,570	803	341	102	108	64
9	275	179	291	245	1,140	1,420	1,420	803	291	102	117	67
10	245		359		960	1,140	2,520	753	260	113	111	81
11	204		397		803	1,140	3,150	542	231	121	102	66
12	179		417		704	960	2,420	906	217	129	95	85
13	179		417		656	803	1,890	753	204	133	99	102
14	167	2,500	564		609	704	1,570	656	204	131	108	123
15	155		656	280	656	753	1,420	753	1,020	119	123	109
16	144		609		609	704	1,140	803	1,020	121	108	109
17	144		564		609	609	1,210	656	609	102	109	68
18	133	2,820	478		704	609	1,280	609	457	106	100	54
19	131	4,350	478		1,420	564	1,020	609	437	109	111	61
20	133	2,720	275	324	3,150	1,140	1,350	564	1,080	102	108	67
21	155	1,730	397	341	2,420	1,570	1,350	499	609	102	102	79
22	179	1,280	397	499	1,890	1,570	1,730	437	478	117	90	61
23	179	960	457	609	1,650	1,280	3,740	437	378	155	100	52
24	179	803	1,140	609	3,250	1,020	2,420	499	307	111	81	51
25	291	704	1,140	609	4,870	656	1,810	437	245	106	78	51
26	960	564	1,970	542	4,740	704	1,420	499	231	106	82	54
27	753	609	4,350	437	3,740	704	1,210	564	204	106	92	51
28	499	499	2,240	291	2,420	656	1,140	457	179	102	84	51
29	324	457	1,890	417	------	564	906	378	167	102	99	51
30	324	397	1,140	520	------	520	1,020	359	155	79	108	51
31	291	------	1,420	564	------	478	------	341	------	144	78	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	960	131	289	0.431	0.50
November	------	155	1,320	1.97	2.20
December	4,350	291	810	1.21	1.40
January	960	------	457	.682	.79
February	4,870	457	1,510	2.25	2.34
March	1,890	478	942	1.41	1.63
April	3,740	542	1,770	2.64	2.94
May	4,220	341	897	1.34	1.54
June	1,080	155	408	.609	.68
July	155	79	113	.169	.19
August	179	78	107	.160	.18
September	123	51	70.6	.105	.12
The year	------	51	716	1.07	14.51

NORTH RIVER NEAR BURKETOWN, VA.

LOCATION.—Staff gage 2 miles northwest of Burketown, Augusta County, and 7 miles above confluence with Middle River.

DRAINAGE AREA.—381 square miles.

RECORDS AVAILABLE.—June, 1926, to September, 1927.

EXTREMES.—Maximum discharge, 7,370 second-feet November 16 (gage height, 10.17 feet); minimum, 65 second-feet September 30 (gage height, 1.40 feet).

1926–1927: Maximum discharge, that of November 16, 1926; minimum, 56 second-feet July 21, 23, 29, August 12 and 13, 1926 (gage height, 1.37 feet).

REMARKS.—Records good. Low-water flow regulated by operation of mills above station.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	124	193	362	684	308	760	308	1,820	193	124	253	115
2	134	193	369	610	308	684	610	1,390	183	134	183	124
3	296	178	348	573	308	573	760	1,070	203	115	148	110
4	369	173	308	492	290	529	1,230	836	203	124	193	89
5	308	153	302	455	334	462	1,230	722	183	119	148	129
6	334	143	320	419	484	433	1,390	610	193	115	214	115
7	320	134	283	369	610	419	1,310	573	198	97	183	97
8	265	158	259	334	610	390	992	492	188	110	163	110
9	253	153	271	296	573	390	1,560	477	178	115	163	81
10	193	193	308	308	521	383	1,900	412	173	105	163	115
11	183	214	314	235	492	362	1,640	390	163	124	143	105
12	183	265	308	283	433	352	1,310	404	163	119	124	105
13	163	265	376	248	376	334	992	334	173	105	105	101
14	163	248	376	283	397	355	914	334	214	97	115	89
15	134	253	404	253	390	348	798	308	225	105	143	115
16	134	4,300	376	214	348	348	760	302	225	225	134	115
17	124	3,310	348	277	348	348	722	296	225	119	163	97
18	124	1,890	334	248	327	355	610	271	183	115	163	97
19	124	2,080	271	248	798	348	610	259	203	334	153	89
20	129	1,480	296	248	1,150	348	798	237	214	153	225	110
21	124	992	296	248	1,070	334	2,080	231	193	178	129	89
22	101	798	875	242	914	320	3,490	214	173	134	143	115
23	115	647	953	225	1,230	302	2,590	237	173	163	143	105
24	124	573	875	259	2,160	283	1,560	248	173	124	153	93
25	296	462	798	248	1,820	283	1,070	259	163	124	134	89
26	220	448	3,400	271	1,480	259	875	253	143	134	134	77
27	231	433	2,160	271	1,150	237	760	225	148	143	129	97
28	220	362	1,480	265	914	242	684	214	139	134	115	81
29	214	348	1,150	296	-------	231	573	203	134	134	115	89
30	209	362	875	283	-------	220	760	225	139	383	115	73
31	225	-------	722	302	-------	214	-------	203	-------	188	134	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	369	101	198	0.520	0.60
November	4,300	134	711	1.87	2.09
December	3,400	259	649	1.70	1.96
January	684	214	323	.848	.98
February	2,160	290	719	1.89	1.97
March	760	214	370	.971	1.12
April	3,490	308	1,160	3.04	3.39
May	1,820	203	453	1.19	1.37
June	225	134	182	.478	.53
July	383	97	145	.381	.44
August	253	105	152	.399	.46
September	129	73	101	.265	.30
The year	4,300	73	427	1.12	15.21

SOUTH FORK OF SHENANDOAH RIVER NEAR LURAY, VA.

LOCATION.—Chain gage at highway bridge 4 miles southwest of Luray, Page County, and 2 miles below mouth of Stony Run.

DRAINAGE AREA.—1,380 square miles.

RECORDS AVAILABLE.—April, 1925, to September, 1927.

EXTREMES.—Maximum discharge during year, 15,100 second-feet November 17 (gage height, 11.11 feet); minimum, 181 second-feet September 12 (gage height, 2.19 feet).

1925–1927: Maximum discharge, that of November 17, 1926; minimum, 74 second-feet September 28, 1925 (gage height, 1.78 feet).

REMARKS.—Records good. Low-water flow regulated by low dam three-fourths mile above station. Discharge estimated January 12 and 13 because of ice.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	360	562	1,280	2,220	1,000	2,650	820	3,200	740	442	780	388
2	530	530	1,180	1,910	1,000	2,390	1,580	3,490	665	442	595	442
3	335	442	1,140	1,800	955	2,140	2,020	2,920	665	296	562	296
4	665	665	1,040	1,690	910	1,910	2,390	2,390	702	442	600	287
5	865	530	1,000	1,580	910	1,800	3,200	1,480	666	360	780	269
6	780	562	1,000	1,380	2,260	1,690	3,200	1,910	630	388	665	335
7	702	595	910	1,280	1,380	1,580	3,060	1,800	665	415	595	562
8	702	562	865	1,180	1,480	1,480	2,650	1,580	665	360	562	310
9	630	595	865	1,180	1,380	1,380	3,200	1,580	665	360	562	415
10	442	955	865	1,040	1,280	1,380	5,280	1,480	630	401	530	500
11	442	820	780	1,000	1,280	1,280	3,940	1,380	630	442	470	388
12	530	780	865	950	1,230	1,180	2,920	1,380	630	1,180	415	301
13	388	665	955	950	1,180	1,180	2,650	1,180	665	740	540	442
14	595	702	1,000	910	1,140	1,180	2,460	1,230	702	665	665	305
15	442	740	1,000	1,000	1,140	1,230	2,200	1,140	702	470	1,220	500
16	388	6,040	1,000	1,090	1,090	1,140	2,020	1,140	780	500	470	470
17	335	12,400	955	910	1,090	1,090	2,020	1,090	702	442	500	388
18	442	3,790	910	955	1,040	1,090	1,910	1,040	595	470	565	388
19	442	6,810	820	910	910	1,090	1,690	955	630	595	630	415
20	562	4,410	780	910	5,000	1,090	1,580	1,000	665	910	665	360
21	305	3,200	820	910	3,640	1,040	3,060	910	665	910	702	269
22	562	2,390	1,040	910	3,200	1,000	8,500	900	702	702	2,140	251
23	427	1,910	2,650	955	4,090	910	9,410	780	665	562	562	388
24	292	1,690	2,390	910	8,280	910	6,040	865	530	595	360	442
25	360	1,580	10,700	910	7,010	865	3,940	780	562	562	500	442
26	820	1,280	8,500	910	5,280	910	3,340	820	500	665	740	388
27	665	1,230	7,840	820	4,250	840	2,650	865	442	470	530	247
28	614	1,380	4,740	740	3,340	820	2,390	740	442	562	442	310
29	562	1,280	3,790	865	-------	820	2,000	702	500	562	415	310
30	595	1,230	3,060	1,000	-------	780	2,200	665	360	580	388	282
31	470	-------	2,520	1,000	-------	780	-------	702	-------	610	388	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	865	292	524	0.380	0.44
November	12,400	442	2,010	1.46	1.63
December	10,700	780	2,170	1.57	1.81
January	2,220	740	1,120	.812	.94
February	8,280	910	2,380	1.72	1.79
March	2,650	780	1,280	.928	1.07
April	9,410	820	3,150	2.28	2.54
May	3,490	665	1,360	.986	1.14
June	780	360	625	.453	.51
July	1,180	296	552	.400	.46
August	2,140	360	632	.458	.53
September	562	247	370	.268	.30
The year	12,400	247	1,340	.971	13.16

MIDDLE RIVER NEAR GROTTOES, VA.

LOCATION.—Chain gage at highway bridge at Mount Meridian, Augusta County, 1½ miles above confluence with North River and 3 miles west of Grottoes.
DRAINAGE AREA.—360 square miles.
RECORDS AVAILABLE.—February, 1925, to September, 1927.
EXTREMES.—Maximum discharge during period April 4 to September, 30, 2,400 second-feet April 22 (gage height, 8.65 feet); minimum, 58 second-feet September 25 (gage height, 2.38 feet).

1925–1927: Maximum discharge, 2,500 second-feet January 18, 1926 (gage height, 8.85 feet); minimum, 29 second-feet July 3, 1926 (gage height, 2.05 feet).

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Apr.	May	June	July	Aug.	Sept.	Day	Apr.	May	June	July	Aug.	Sept.
1	------	800	170	115	170	99	16	438	304	212	115	190	85
2	------	680	180	115	170	99	17	438	304	190	132	190	85
3	------	532	180	115	132	99	18	438	304	170	132	190	85
4	500	500	212	115	234	99	19	438	304	410	115	170	85
5	920	410	190	115	280	99	20	410	280	330	140	170	85
6	1,410	410	190	99	256	99	21	1,750	256	330	190	190	85
7	920	410	212	99	150	99	22	2,400	256	304	115	170	85
8	880	356	190	99	150	99	23	1,600	234	190	280	150	85
9	880	330	170	99	150	99	24	1,500	212	190	212	150	85
10	1,410	330	150	107	132	99	25	760	212	170	150	132	70
11	880	410	132	115	115	85	26	532	212	150	115	132	78
12	760	356	190	115	99	85	27	500	190	150	170	132	91
13	720	330	256	190	99	85	28	500	190	132	190	132	80
14	532	330	234	170	99	85	29	438	190	132	170	115	89
15	500	304	304	132	304	85	30	468	170	115	132	99	75
							31	------	170	------	190	99	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
April 4–30	2,400	410	849	2.36	2.37
May	800	170	331	.919	1.06
June	410	115	204	.567	.63
July	280	99	140	.389	.45
August	304	99	160	.444	.51
September	99	70	88.8	.247	.28
The period	2,400	70	285	.792	5.30

SOUTH RIVER AT HARRISTON, VA.

LOCATION.—Chain gage at highway bridge at Harriston, Augusta County, 7 miles above confluence with Middle River.

DRAINAGE AREA.—222 square miles.

RECORDS AVAILABLE.—February, 1925, to September, 1927.

EXTREMES.—Maximum discharge during year, 2,980 second-feet November 16 (gage height, 8.00 feet); minimum, 52 second-feet September 16 (gage height, 3.00 feet).

1925–1927: Maximum discharge, that of November 16, 1926; minimum, 27 second-feet August 12, 1926 (gage height, 2.83 feet).

REMARKS.—Records good. Low-water flow slightly regulated by operation of mill above station. Discharge estimated because of ice effect December 18, January 10 and 11.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	61	49	258	416	158	497	205	524	133	80	104	84
2	66	73	205	342	149	470	283	443	106	77	84	78
3	58	66	205	318	141	391	318	416	133	74	91	80
4	62	66	179	283	133	366	366	342	160	81	102	70
5	60	72	234	283	152	342	366	318	163	72	133	78
6	72	64	138	227	172	318	342	342	114	71	110	72
7	75	56	126	212	166	283	342	318	114	75	94	74
8	72	81	133	179	149	283	318	305	102	81	126	83
9	60	98	138	179	133	258	497	266	110	78	98	70
10	58	191	160	170	144	242	552	497	104	114	75	74
11	66	125	133	160	152	227	524	266	91	155	75	80
12	60	111	136	152	149	195	443	266	104	155	72	75
13	68	102	160	179	172	220	391	230	100	98	65	81
14	60	102	144	166	176	220	366	227	110	100	94	81
15	55	106	149	192	179	230	318	238	110	72	94	64
16	54	1,960	149	136	141	188	292	205	119	84	84	60
17	55	1,170	114	172	172	172	300	205	106	91	81	70
18	61	810	112	169	141	166	283	198	100	100	158	70
19	54	1,110	110	149	636	187	254	179	89	78	179	67
20	58	580	131	138	810	195	274	182	106	104	185	70
21	56	524	172	138	636	182	391	172	102	78	114	72
22	60	391	292	138	580	185	2,340	192	91	84	124	72
23	67	318	342	138	870	152	1,610	152	84	88	119	67
24	60	258	300	124	1,410	141	990	144	75	106	106	72
25	70	212	309	141	1,290	152	810	138	91	89	110	67
26	86	274	1,350	141	990	158	608	163	94	81	86	67
27	73	318	1,050	126	810	155	524	152	98	83	81	65
28	72	296	524	133	608	144	470	133	94	78	104	70
29	83	242	416	166	------	128	416	128	77	70	106	70
30	68	292	752	169	------	131	497	133	67	68	83	67
31	67	------	636	149	------	108	------	119	------	78	88	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	86	54	64.4	0.290	0.33
November	1,960	49	337	1.52	1.70
December	1,350	110	299	1.35	1.56
January	416	124	187	.842	.97
February	1,410	133	408	1.84	1.92
March	497	108	229	1.03	1.19
April	2,340	205	523	2.36	2.63
May	524	119	245	1.10	1.27
June	163	67	105	.473	.53
July	155	68	88.5	.399	.46
August	185	65	104	.468	.54
September	84	60	72.3	.326	.36
The year	2,340	49	220	.991	13.46

NORTH FORK OF SHENANDOAH RIVER AT COOTES STORE, VA.

LOCATION.—Chain gage at highway bridge at Cootes Store, Rockingham County, 1 mile below Brocks Gap and 3½ miles above Linville Creek.

DRAINAGE AREA.—215 square miles.

RECORDS AVAILABLE.—February, 1925, to September, 1927.

EXTREMES.—Maximum discharge during year, 7,190 second-feet November 16 (gage height, 12.87 feet); minimum, 3.5 second-feet September 30 (gage height, 2.20 feet).

1925–1927: Maximum discharge, that of November 16, 1926; minimum, 1.5 second-feet September 27 to October 2, 1925 (gage height, 2.10 feet).

REMARKS.—Records good. Discharge estimated because of ice effect January 9–18.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	68	68	134	214	78	440	207	1,270	39	15	22	14
2	77	63	134	251	78	360	700	750	39	14	22	12
3	176	51	134	217	78	304	1,140	520	39	13	22	11
4	170	47	134	182	75	234	1,550	380	35	12	30	11
5	134	46	122	170	100	217	1,200	322	34	13	26	11
6	170	41	116	145	251	201	900	268	34	12	27	11
7	134	38	112	109	322	201	700	217	33	12	27	11
8	97	36	106	82	251	201	520	191	29	18	26	1
9	77	36	97		251	217	2,470	170	27	16	25	11
10	60	93	201		234	217	1,620	156	26	16	22	11
11	51	73	201		217	191	1,140	156	25	16	21	11
12	47	77	234		179	170	750	153	28	16	20	11
13	40	77	251		156	170	520	151	73	16	18	11
14	36	77	251	55	156	170	420	156	73	16	17	10
15	34	77	214		156	170	322	142	185	19	16	10
16	32	5,840	198		142	170	286	126	91	48	21	10
17	31	2,710	185		129	156	268	112	80	42	26	9
18	29	1,760	168		129	142	251	100	73	41	30	9
19	29	1,270	156	50	1,270	142	211	93	64	40	30	8.6
20	28	750	142	50	960	142	179	78	49	36	50	7.8
21	28	610	142	50	655	142	440	68	44	32	30	7.0
22	28	380	700	61	610	129	1,480	64	41	21	27	6.3
23	28	322	610	64	960	129	1,140	58	34	27	23	6.3
24	28	268	520	64	1,830	129	700	58	34	23	21	5.6
25	268	201	700	64	1,690	116	440	57	34	22	19	5.2
26	251	162	2,630	64	1,270	104	400	53	32	22	19	5.2
27	217	148	1,140	64	850	91	304	51	27	28	19	5.2
28	162	134	700	73	610	80	251	46	19	21	18	4.9
29	102	134	565	78	------	71	211	43	17	19	16	4.2
30	77	134	400	78	------	71	440	41	17	22	16	3.5
31	77	------	251	78	------	71	------	41	------	22	15	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	268	28	89.9	0.418	0.48
November	5,840	36	524	2.44	2.72
December	2,630	97	376	1.75	2.02
January	251	----------	89	.414	.48
February	1,830	75	489	2.27	2.36
March	440	71	173	.805	.93
April	2,470	179	705	3.28	3.66
May	1,270	41	196	.912	1.05
June	185	17	45.8	.213	.24
July	48	12	22.3	.104	.12
August	30	15	22.6	.105	.12
September	14	3.5	8.83	.041	.05
The year	5,840	3.5	225	1.05	14.23

NORTH FORK OF SHENANDOAH RIVER NEAR STRASBURG, VA.

LOCATION.—Chain gage at highway bridge 2 miles east of Strasburg, Shenandoah County, and 9 miles above confluence with South Fork.

DRAINAGE AREA.—772 square miles.

RECORDS AVAILABLE.—March, 1925, to September, 1927.

EXTREMES.—Maximum discharge during year, 10,100 second-feet November 17 (gage height, 12.11 feet); minimum, 34 second-feet September 21 (gage height, 1.79 feet).

1925–1927: Maximum discharge, that of November 17, 1926; minimum, that of September 21, 1927.

REMARKS.—Records good. Discharge estimated because of ice January 10–18.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	389	389	582	1,190	438	2,280	474	2,100	346	160	144	152
2	375	348	619	998	396	1,510	1,030	2,550	306	175	210	160
3	389	296	582	805	396	1,350	1,750	2,060	294	102	144	185
4	510	284	546	693	474	1,190	2,550	1,580	281	127	165	178
5	600	278	510	619	546	955	3,100	1,090	281	112	144	170
6	500	260	510	693	693	880	2,640	930	268	109	165	180
7	431	226	438	693	842	805	2,010	810	300	127	148	175
8	403	226	375	582	880	768	1,670	770	262	135	112	180
9	375	284	424	438	693	693	1,510	692	281	144	190	195
10	338	361	474		619	656	5,870	654	262	156	205	190
11	302	335	619		582	619	3,200	654	256	127	195	182
12	296	403	656		582	510	2,370	692	294	135	190	173
13	278	396	693		582	510	1,920	692	306	123	148	164
14	278	403	768	410	582	546	1,650	654	456	119	148	156
15	272	403	768		510	582	1,330	616	536	175	144	119
16	260	1,430	730		510	582	1,170	579	616	185	78	170
17	266	7,780	730		474	546	1,010	542	542	165	119	170
18	248	5,100	656		510	510	930	470	435	195	180	170
19	242	3,700	619	438	619	510	850	463	306	256	200	155
20	248	2,640	510	410	3,200	582	810	421	287	222	180	109
21	248	2,010	546	403	1,920	546	1,250	359	268	245	180	58
22	237	1,190	1,030	417	1,670	546	2,460	366	245	170	135	49
23	216	842	1,750	438	2,550	510	3,000	386	200	127	156	58
24	272	842	1,590	417	4,400	474	2,640	359	233	210	170	89
25	335	768	1,510	410	4,300	438	2,010	352	222	180	185	83
26	375	750	2,190	410	3,500	438	1,330	366	210	160	160	86
27	417	656	3,900	424	3,400	438	1,170	352	152	152	135	131
28	474	619	3,200	410	2,910	438	1,010	339	156	195	127	106
29	474	582	1,830	424	-------	431	890	326	150	182	123	106
30	438	546	1,510	428	-------	424	810	313	144	170	148	112
31	414	-------	1,430	431	-------	417	-------	326	-------	175	165	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	600	216	352	0.456	0.53
November	7,780	226	1,140	1.48	1.65
December	3,900	375	1,040	1.35	1.56
January	1,190	----------	512	.663	.76
February	4,400	396	1,380	1.79	1.86
March	2,280	417	699	.905	1.04
April	5,870	474	1,820	2.36	2.63
May	2,550	313	738	.956	1.10
June	616	144	296	.383	.43
July	256	102	162	.210	.24
August	210	78	158	.205	.24
September	195	49	140	.181	.20
The year	7,780	49	697	.903	12.24

MONOCACY RIVER NEAR FREDERICK, MD.

LOCATION.—Chain gage at Ceresville Bridge, 3 miles northeast of Frederick, Frederick County, and 300 feet below mouth of Tuscarora Creek.

DRAINAGE AREA.—665 square miles.

RECORDS AVAILABLE.—August, 1896, to September, 1927.

EXTREMES.—Maximum discharge during year, about 20,000 second-feet November 16 (gage height, about 28 feet); minimum, 80 second-feet September 17, 29, and 30 (gage height, 4.15 feet).

1896–1927: Maximum discharge, that of November 16, 1926; minimum, 15 second-feet several days in October, 1910 (gage height, 3.54 feet).

REMARKS.—Records fair. Discharge estimated December 7, 8, 18–21, and January 9–20 because of ice.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	930	595	860	665	1,590	1,710	430	2,930	322	258	375	138
2	640	470	710	620	1,230	1,110	1,710	1,590	322	243	1,590	124
3	595	390	760	575	1,110	810	1,470	1,230	340	243	358	114
4	530	355	665	1,530	910	810	1,590	1,110	322	214	186	105
5	530	338	575	1,230	810	910	1,350	910	2,080	214	181	94
6	1,940	305	450	1,060	1,350	1,060	910	810	910	186	165	90
7	2,360	290	460	665	910	1,110	620	620	620	160	163	86
8	1,390	290	500	450	552	1,710	552	710	470	160	186	148
9	595	290	530		510	1,470	810	1,590	392	160	258	124
10	595	2,570	575		392	1,110	710	1,010	375	160	200	112
11	550	780	575		1,710	910	710	910	258	160	165	112
12	470	490	575		810	810	710	1,110	173	148	150	105
13	390	470	665		620	710	620	810	90	148	135	90
14	355	355	810		1,470	810	620	710	620	135	710	101
15	390	320	1,110	550	1,830	910	552	1,230	1,350	138	960	92
16	390	15,600	910		2,220	710	530	910	620	142	1,110	86
17	390	13,600	575		1,470	620	620	470	510	140	1,110	80
18	390	3,490			1,830	620	552	710	358	450	375	84
19	390	8,100			1,950	470	470	620	1,230	430	340	6,170
20	372	3,170	580		1,950	1,010	430	620	1,110	450	322	430
21	410	2,360		1,710	2,080	1,230	322	620	910	358	258	273
22	355	1,650	960	1,650	2,220	1,110	7,190	552	710	258	214	200
23	320	1,470	860	1,010	2,360	910	5,540	510	510	200	173	160
24	390	1,410	910	910	4,280	710	4,460	450	375	165	160	130
25	7,010	1,170	910	810	4,820	620	3,920	392	358	155	183	114
26	1,800	910	4,730	665	3,570	620	2,220	322	340	148	200	101
27	880	910	1,530	490	3,250	620	1,770	322	322	140	181	92
28	390	960	450	340	3,090	620	1,590	340	340	121	178	86
29	390	960	1,710	1,950	-------	575	1,230	358	273	119	173	80
30	355	1,170	910	2,220	-------	552	960	340	258	114	160	80
31	550	-------	760	1,710	-------	510	-------	430	-------	90	135	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	7,010	320	872	1.31	1.51
November	15,600	290	2,170	3.26	3.64
December	4,730	450	882	1.33	1.53
January	2,220	340	866	1.30	1.50
February	4,820	392	1,820	2.74	2.85
March	1,710	470	886	1.33	1.53
April	7,190	322	1,510	2.27	2.53
May	2,930	322	814	1.22	1.41
June	2,080	90	562	.845	.94
July	450	90	200	.301	.35
August	1,590	135	357	.537	.62
September	6,170	80	327	.492	.55
The year	15,600	80	929	1.40	18.96

GREAT SENECA CREEK NEAR GAITHERSBURG, MD.

LOCATION.—Chain gage at bridge on Frederick pike 2 miles northwest of Gaithersburg, Montgomery County, and just below Whetstone Run.

DRAINAGE AREA.—41.0 square miles.

RECORDS AVAILABLE.—March, 1925, to September, 1927.

EXTREMES.—Maximum discharge during year, about 700 second-feet November 16 (gage height, 8.80 feet); minimum, 13 second-feet September 17 and 30 (gage height, 1.44 feet).

1925–1927: Maximum discharge, that of November 16, 1926; minimum, 5.7 second-feet August 13 and 14, 1926 (gage height, 1.44 feet).

REMARKS.—Records fair. Discharge estimated December 17–19, January 8–12, and 26–31 because of ice.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	34	55	50	44	58	87	64	40	32	26	21
2	29	28	47	44	44	58	87	55	37	25	27	18
3	28	26	47	44	42	50	81	52	40	25	21	18
4	25	24	47	52	42	50	55	50	47	24	21	18
5	24	24	50	47	42	52	52	58	42	23	20	16
6	134	23	44	44	44	58	64	61	37	23	18	15
7	34	23	50	40	61	55	50	52	37	24	21	16
8	28	23	44		50	61	47	50	37	23	18	15
9	25	26	47		44	52	61	58	37	23	16	20
10	24	28	81	39	44	50	55	55	34	27	16	18
11	24	26	47		47	47	47	72	34	23	17	17
12	23	25	44		44	47	47	58	34	23	17	15
13	23	25	61	40	44	47	47	50	40	21	17	15
14	23	24	52	93	50	64	44	58	87	21	58	15
15	21	28	44	40	47	52	42	52	44	22	42	14
16	21	598	42	44	44	47	42	52	37	22	21	14
17	23	87		44	44	47	42	50	34	22	18	14
18	21	69	40	40	93	44	42	52	34	21	32	14
19	21	99		37	106	47	40	50	52	21	22	61
20	37	72	40	58	87	55	42	44	40	21	20	19
21	25	64	42	52	87	50	55	44	37	20	19	17
22	23	58	58	47	81	52	300	42	34	21	19	15
23	24	55	42	50	141	47	93	43	34	23	72	15
24	25	52	40	47	141	44	66	42	32	19	24	15
25	75	47	44	42	99	44	61	52	31	18	19	15
26	34	50	113		93	44	61	47	30	18	19	14
27	29	52	52		75	44	64	42	28	18	19	14
28	28	47	127	35	66	42	55	40	28	17	19	14
29	28	47	75		------	42	58	40	27	17	19	14
30	27	113	55		------	40	69	42	26	29	18	14
31	106	------	50		------	40	------	42	------	25	18	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	134	21	33.7	0.822	0.95
November	598	23	63.2	1.54	1.72
December	127	------	53.5	1.30	1.50
January	93	------	43.9	1.07	1.23
February	141	42	65.9	1.61	1.68
March	64	40	49.4	1.20	1.38
April	300	40	65.2	1.59	1.77
May	72	40	50.6	1.23	1.42
June	87	26	37.7	.920	1.03
July	32	17	22.3	.544	.63
August	72	16	23.6	.576	.66
September	61	14	17.3	.422	.47
The year	598	14	43.7	1.07	14.44

NORTHWEST BRANCH OF ANACOSTIA RIVER NEAR COLESVILLE, MD.

LOCATION.—Staff gage at bridge at site of old Northwest Mills, 1½ miles southwest of Colesville, Montgomery County, and 3 miles above Burnt Mills.

DRAINAGE AREA.—21.3 square miles.

RECORDS AVAILABLE.—February, 1924, to September, 1927.

EXTREMES.—Maximum discharge during year, about 1,210 second-feet November 16 (gage height, about 6.5 feet); minimum, 5 second-feet July 27–29, September 7, 16–18, 29, and 30.

1924–1927: Maximum discharge, about 1,600 second-feet, revised, April 6, 1924 (gage height, 7.87 feet); minimum discharge, 2.0 second-feet July 20, 1925.

REMARKS.—Records good. Discharge estimated December 16–19, January 2, 14, 26, 27, and March 3–6, because of ice.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	21	29	20	17	21	71	23	13	9	17	10
2	12	16	22	15	17	20	68	20	12	9	32	8
3	10	12	20	17	17		86	19	12	8	8	8
4	10	12	19	23	17		28	19	13	8	8	7
5	10	12	19	19	17	20	24	18	12	8	7	6
6	161	12	17	17	18		23	17	12	9	6	6
7	17	12	19	14	34	21	22	19	12	9	6	6
8	12	12	19	14	22	31	23	19	12	9	7	6
9	10	290	20	14	19	21	48	23	12	8	7	8
10	10	25	61	14	18	20	31	19	12	11	7	6
11	9	16	27	14	19	19	22	44	12	10	6	6
12	9	13	23	15	18	19	20	57	11	9	6	6
13	9	12	41	16	19	19	20	19	12	8	6	6
14	10	12	31	20	25	58	20	20	23	8	112	6
15	9	18	23	18	22	24	19	21	20	8	10	6
16	8	469		18	19	21	18	19	13	8	8	6
17	9	38	17	15	18	20	17	17	12	8	8	5
18	8	308		16	33	19	17	20	12	8	9	5
19	8	51		16	80	20	17	19	15	8	8	119
20	10	26	17	22	192	23	17	17	14	8	7	10
21	10	23	19	29	86	20	29	15	12	8	7	7
22	9	22	31	26	144	23	378	15	12	7	7	6
23	9	21	20	32	112	19	43	15	15	10	8	6
24	11	19	19	20	56	18	28	14	12	6	9	6
25	30	18	21	17	40	17	24	17	11	6	8	6
26	16	23	64	15	33	17	21	16	10	6	7	6
27	12	26	23	13	24	17	21	15	9	5	7	6
28	12	21	81	16	23	17	20	14	8	5	8	6
29	11	21	46	27	------	17	20	14	8	5	8	6
30	11	86	23	24	------	17	26	14	8	36	8	5
31	68	------	22	19	------	17	------	14	------	11	12	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	161	8	17.9	0.840	0.97
November	469	12	55.6	2.61	2.91
December	81	------	27.2	1.28	1.48
January	32	13	18.5	.869	1.00
February	192	17	41.4	1.94	2.02
March	58	17	21.1	.991	1.14
April	378	17	40.7	1.91	2.13
May	57	14	19.7	.925	1.07
June	23	8	12.4	.582	.65
July	36	5	8.9	.418	.48
August	112	6	12.1	.568	.65
September	119	5	10.2	.479	.53
The year	469	5	23.6	1.11	15.03

RAPPAHANNOCK RIVER BASIN

RAPPAHANNOCK RIVER AT KELLYS FORD, VA.

LOCATION.—Chain gage at highway bridge at Kellys Ford, Culpeper County, 2 miles above mouth of Mountain Run, and 5 miles south of Remington.
DRAINAGE AREA.—641 square miles.
RECORDS AVAILABLE.—February, 1925, to September, 1927.
EXTREMES.—Maximum discharge during year, 15,200 second-feet November 17 (gage height, 18.00 feet); minimum, 45 second-feet September 26 (gage height, 1.93 feet).
1925–1927: Maximum discharge, that of November 17, 1926; minimum, 15 second-feet September 9, 1925 (gage height, 1.50 feet).
REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	578	810	1,400	1,080	492	1,080	571	1,270	418	146	222	112
2	870	551	1,140	948	442	948	1,140	1,010	350	143	518	112
3	870	472	1,010	886	418	886	2,030	826	372	143	222	110
4	663	424	948	886	418	768	1,680	768	492	143	188	107
5	551	402	886	886	544	710	1,820	826	418	138	222	89
6	870	380	826	768	654	768	1,960	739	350	124	173	87
7	990	380	710	682	598	768	1,540	768	310	134	182	76
8	663	360	710	598	544	710	1,270	710	310	154	134	87
9	524	750	886	626	492	682	1,400	826	291	168	134	102
10	472	1,440	1,140	598	467	598	2,030	768	272	170	131	148
11	498	990	948	518	492	571	1,750	654	291	255	124	544
12	424	750	826	467	544	544	1,470	654	238	626	119	222
13	380	692	1,010	544	571	518	1,270	598	2,700	197	119	129
14	448	578	1,010	682	598	598	1,200	571	1,820	138	3,200	107
15	380	551	826	626	598	654	948	598	492	188	418	85
16	340	11,000	710	394	518	518	886	598	394	129	222	74
17	340	12,500	626	598	467	492	886	571	330	134	197	74
18	320	3,380	598	626	442	492	768	518	272	124	768	72
19	320	10,600	682	544	886	467	739	544	544	2,480	330	74
20	320	3,110	768	571	1,400	544	710	518	372	544	238	76
21	380	2,180	768	626	1,400	626	2,550	442	291	222	185	76
22	300	1,680	1,470	598	1,610	654	5,970	442	272	168	162	82
23	320	1,400	1,270	626	2,180	571	3,750	442	255	168	148	72
24	300	1,270	948	598	2,700	492	2,100	418	238	156	131	68
25	1,580	1,140	948	571	2,320	467	1,680	394	222	143	119	53
26	810	1,010	4,750	492	1,890	442	1,400	571	206	136	126	47
27	606	1,680	2,180	372	1,470	442	1,270	418	194	194	122	64
28	472	1,080	2,030	310	1,200	418	1,140	350	159	134	122	76
29	424	948	1,960	682	------	418	1,010	350	129	117	87	54
30	424	1,960	1,400	654	------	394	1,270	372	154	122	114	58
31	448	------	1,200	544	------	394	------	418	------	179	80	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	1,580	300	545	0.850	0.98
November	12,500	360	2,150	3.35	3.74
December	4,750	598	1,180	1.84	2.12
January	1,080	310	632	.986	1.14
February	2,700	418	941	1.47	1.53
March	1,080	394	601	.938	1.08
April	5,970	571	1,610	2.51	2.80
May	1,270	350	611	.953	1.10
June	2,700	129	439	.685	.76
July	2,480	117	259	.404	.47
August	3,200	80	299	.466	.54
September	544	47	105	.164	.18
The year	12,500	47	776	1.21	16.44

RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA.

LOCATION.—Water-stage recorder 1½ miles above dam of Virginia Electric & Power Co. and 3½ miles above Fredericksburg, Spottsylvania County.

DRAINAGE AREA.—1,590 square miles.

RECORDS AVAILABLE.—September, 1907, to September, 1927.

EXTREMES.—Maximum discharge during year, 40,400 second-feet November 17 (gage height, 11.94 feet); minimum, 147 second-feet September 27 (gage height, 0.63 foot).

1907–1927: Maximum discharge, about 66,000 second-feet May 13, 1924 (gage height, 16.5 feet); minimum, 64 second-feet September 15, 1925 (gage height, 0.28 foot).

REMARKS.—Records excellent except for estimated periods, December 12–31, January 10–13, 16, 17, and July 1–22, for which they are fair.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	964	1,240	3,310	2,490	1,140	2,240	1,070	2,750	846		548	275
2	1,100	1,180	2,400	2,240	997	2,000	2,580	2,320	796		942	275
3	1,450	931	1,980	1,960	964	1,820	3,960	1,940	748		815	270
4	1,340	836	1,900	1,910	931	1,620	3,410	1,790	868		660	290
5	1,240	786	1,760	1,920	920	1,530	4,430	1,700	910		796	246
6	1,450	758	1,630	1,760	1,340	1,450	4,070	1,730	777	340	678	210
7	2,240	720	1,480	1,570	1,480	1,600	3,520	1,850	678		525	219
8	1,340	703	1,360	1,410	1,250	1,490	2,660	1,550	627		422	202
9	1,030	857	1,490	1,240	1,130	1,420	2,820	1,570	660		397	220
10	899	2,990	1,910	1,220	1,080	1,310	5,890	1,700	603		361	237
11	815	2,490	2,080	1,220	1,090	1,200	3,960	1,600	571		355	338
12	777	1,790		1,150	1,150	1,140	3,120	1,620	571		316	434
13	730	1,500		1,310	1,090	1,110	2,660	1,350	2,630		285	373
14	720	1,320		1,900	1,200	1,140	2,400	1,240	1,800		1,530	290
15	931	1,230		2,080	1,310	1,350	2,160	1,340	1,290	770	1,660	250
16	739	8,740	1,750	1,350	1,180	1,220	1,910	1,350	1,270		712	241
17	669	32,500		920	1,090	1,100	1,760	1,190	836		454	210
18	635	28,800		1,500	1,040	1,040	1,670	1,150	730		1,570	199
19	619	12,700		1,420	1,150	1,03	1,530	1,130	748		1,780	202
20	595	7,120		1,350	3,210	1,18	1,670	1,160	806		786	199
21	652	4,900		1,320	3,210	1,280	6,620	1,070	796	2,100	563	415
22	739	3,700		1,340	4,310	1,390	14,400	942	678		467	280
23	644	3,020	2,490	1,350	6,330	1,320	12,000	899	644	548	502	240
24	611	2,580		1,320	6,780	1,070	7,090	888	619	587	587	199
25	2,480	2,320		1,230	5,060	986	4,160	878	563	525	434	184
26	2,350	2,160		1,140	4,190	964	3,210	997	518	422	367	180
27	1,340	3,120		1,020	3,210	953	2,750	1,050	467	428	316	153
28	1,030	2,580	5,680	739	2,660	920	2,580	826	448	1,070	300	173
29	899	2,000		1,040	-------	878	2,160	758	415	495	300	169
30	857	2,910		1,280	-------	857	2,320	758	340	403	285	180
31	857	-------		1,310	-------	836	-------	815	-------	532	285	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	2,480	595	1,060	0.667	0.77
November	32,500	703	4,620	2.91	3.25
December	-------	1,360	2,700	1.70	1.96
January	2,490	739	1,450	.912	1.05
February	6,780	920	2,160	1.36	1.42
March	2,240	836	1,270	.799	.92
April	14,400	1,070	3,820	2.40	2.68
May	2,750	758	1,350	.849	.98
June	2,630	340	808	.508	.57
July	-------	-------	741	.466	.54
August	1,780	285	645	.406	.47
September	434	153	245	.154	.17
The year	32,500	153	1,730	1.09	14.78

RAPIDAN RIVER AT RAPIDAN, VA.

LOCATION.—Staff gage 1,000 feet below highway bridge in Rapidan, Culpeper County, and 2 miles below mouth of Robinson Branch.

DRAINAGE AREA.—446 square miles.

RECORDS AVAILABLE.—February, 1925, to September, 1927.

EXTREMES.—Maximum discharge during year, 12,400 second-feet November 16 (gage height, 16.66 feet); minimum, 31 second-feet September 29 (gage height, 0.66 foot).

1925–1927: Maximum discharge, that of November 16, 1926; minimum, 17 second-feet August 29, 1925 (gage height, 0.31 foot).

REMARKS.—Records good. Low-water flow regulated by small mill above gage.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	223	269	720	772	285	598	366	720	240	100	240	78
2	356	238	622	670	270	574	574	598	212	104	240	158
3	451	209	598	622	270	484	720	528	270	96	148	100
4	640	223	551	574	270	463	1,040	484	270	92	349	78
5	302	209	528	551	300	422	985	463	240	94	240	88
6	550	195	506	463	442	442	1,040	551	212	78	153	69
7	413	209	422	422	384	422	876	484	198	79	144	50
8	320	195	442	384	349	402	720	422	212	85	136	64
9	269	510	463	384	332	366	1,150	528	184	85	139	71
10	253	1,200	528	366	316	366	1,200	422	171	141	127	104
11	223	780	463	349	332	332	985	484	171	463	96	90
12	223	595	442	316	316	332	824	384	158	824	116	88
13	209	510	506	463	316	316	720	349	366	144	112	79
14	451	451	484	442	366	332	670	349	285	144	126	64
15	253	432	442	442	349	332	574	402	422	171	300	74
16	209	10,000	442	240	316	300	528	332	240	300	119	50
17	209	3,460	384	422	316	300	506	316	184	151	108	55
18	195	2,680	366	332	300	285	463	300	184	402	1,320	52
19	169	3,940	316	316	422	285	422	316	226	484	316	98
20	195	1,950	422	316	772	300	402	285	212	1,380	184	171
21	209	1,440	422	332	1,040	285	1,150	270	184	384	171	83
22	182	1,100	1,320	316	1,200	300	3,300	255	171	226	139	78
23	169	930	876	316	1,440	270	2,450	255	148	226	148	78
24	182	824	720	332	1,040	270	1,500	240	139	171	132	58
25	880	720	720	316	1,100	255	1,150	270	134	144	121	45
26	394	670	3,780	300	930	255	930	332	132	123	112	58
27	302	1,100	1,440	255	824	255	876	240	125	824	96	50
28	269	720	1,560	240	670	240	720	212	116	198	100	52
29	253	670	1,320	300	-------	240	670	212	100	153	125	36
30	238	824	985	349	-------	226	824	240	85	148	96	47
31	253	-------	876	316	-------	226	-------	255	-------	255	87	-------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	880	169	305	0.684	0.79
November	10,000	195	1,240	2.78	3.10
December	3,780	316	763	1.71	1.97
January	772	240	394	.883	1.02
February	1,440	270	545	1.22	1.27
March	598	226	338	.758	.87
April	3,300	366	944	2.12	2.36
May	720	212	371	.832	.96
June	422	85	200	.448	.50
July	1,380	78	267	.599	.69
August	1,320	87	195	.437	.50
September	171	36	75.5	.169	.19
The year	10,000	36	468	1.05	14.22

YORK RIVER BASIN

NORTH ANNA RIVER NEAR HEWLETTS, VA.

LOCATION.—Chain gage at bridge on Chilesburg-Hewletts highway, Hanover County, 17 miles above mouth of Little River.
DRAINAGE AREA.—424 square miles.
RECORDS AVAILABLE.—March, 1926, to September, 1927.
EXTREMES.—Maximum discharge during year, 6,720 second-feet November 17 (gage height, 15.73 feet); minimum, 31 second-feet September 30 (gage height, 3.60 feet).

1926–27: Maximum discharge, that of November 17, 1926; minimum discharge, that of September 30, 1927.
REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1926–27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	145	137	402	613	261	300	320	287	250	68	190	90
2	137	145	320	602	243	280	840	304	220	82	220	78
3	125	145	261	590	225	280	1,100	282	230	79	190	81
4	113	145	243	424	207	280	764	260	250	75	398	78
5	105	137	252	340	216	280	920	271	211	72	350	74
6	113	129	261	340	410	290	728	282	172	44	136	71
7	113	133	207	280	280	300	624	374	145	68	114	78
8	105	137	225	261	280	320	500	339	154	374	91	71
9	102	137	207	252	243	261	658	304	145	500	78	92
10	100	500	300	243	225	261	1,000	271	128	402	82	112
11	97	402	300	225	225	243	764	448	136	304	79	120
12	100	180	258	216	225	243	590	500	128	282	75	120
13	103	171	216	500	253	230	380	374	120	304	74	97
14	129	175	300	380	280	261	360	304	128	230	210	92
15	129	180	261	380	280	300	320	282	190	154	350	85
16	113	5,840	261	360	243	280	300	260	163	128	172	86
17	105	6,720	225	340	243	261	300	172	128	128	120	84
18	100	1,370	198	320	243	243	300	200	128	128	128	85
19	102	2,130	190	300	280	225	280	220	170	120	120	86
20	121	1,000	230	320	800	272	280	172	154	104	136	88
21	129	670	280	300	840	320	558	200	136	81	158	84
22	129	340	1,320	300	1,240	402	1,420	186	120	76	181	79
23	162	320	1,170	243	1,570	500	3,550	172	112	84	112	81
24	200	280	448	261	1,470	402	2,020	172	97	78	163	85
25	802	270	450	207	764	280	500	154	92	71	112	84
26	764	280	3,600	216	500	243	448	326	92	74	104	82
27	280	474	2,920	207	450	243	374	200	92	67	97	69
28	153	368	1,570	189	402	243	304	172	91	68	91	32
29	137	261	1,420	189	------	225	304	190	84	75	85	38
30	129	380	1,040	244	------	225	271	210	72	76	81	31
31	133	------	624	300	------	225	------	230	------	133	84	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
October	802	97	170	0.401	0.46
November	6,720	129	785	1.85	2.06
December	3,600	190	644	1.52	1.75
January	613	189	321	.757	.87
February	1,570	207	461	1.09	1.14
March	500	225	281	.663	.76
April	3,550	271	703	1.66	1.85
May	500	154	262	.618	.71
June	250	72	145	.342	.38
July	500	44	146	.344	.40
August	398	74	148	.349	.40
September	120	31	81.1	.191	.21
The year	6,720	31	344	.811	10.99

SOUTH ANNA RIVER AT VONTAY, VA.

LOCATION.—Chain gage at bridge on Vontay-Montpelier highway 1,000 feet below Turkey Creek and 1 mile north of Vontay, Hanover County.
DRAINAGE AREA.—332 square miles.
RECORDS AVAILABLE.—December, 1926, to September, 1927.
EXTREMES.—Maximum discharge during period, 2,150 second-feet December 28 (gage height, 14.35 feet); minimum, 30 second-feet September 30 (gage height, 2.17 feet).
REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1926–27

Day	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	------	364	208	208	237	219	99	47	94	74
2	------	300	160	194	601	263	94	52	179	79
3	------	268	141	180	412	219	114	51	142	61
4	------	237	154	167	316	192	120	53	601	51
5	------	222	141	160	520	192	120	36	575	51
6	------	208	154	154	475	166	120	39	154	46
7	------	180	222	167	444	179	99	99	94	43
8	117	180	237	167	332	166	94	142	79	51
9	129	154	194	167	444	179	94	79	70	79
10	154	154	141	180	1,060	179	89	192	74	89
11	208	141	141	148	800	308	79	114	66	84
12	180	129	129	141	364	353	70	89	70	74
13	160	180	141	141	284	248	79	89	61	61
14	268	160	167	154	237	154	369	70	52	61
15	268	237	208	332	208	148	385	70	192	61
16	180	208	167	252	167	148	308	70	205	61
17	141	208	160	167	194	136	114	192	104	51
18	123	180	141	154	180	126	89	89	70	44
19	112	148	180	148	167	131	79	136	66	166
20	117	154	562	141	160	148	84	142	94	52
21	123	208	642	141	194	136	79	94	179	48
22	534	194	782	237	588	104	74	74	433	42
23	1,000	180	854	237	1,360	104	74	61	148	42
24	444	180	800	194	1,360	99	61	66	104	42
25	332	167	548	154	507	104	70	61	84	48
26	1,160	154	332	135	293	131	57	51	74	51
27	1,540	141	284	135	263	154	53	44	66	48
28	2,110	148	268	129	248	109	57	46	57	40
29	2,020	180	------	117	219	94	61	45	57	36
30	1,870	222	------	106	219	94	57	36	66	36
31	1,710	237	------	117	------	99	------	57	57	------

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
December 8-31	2,110	112	625	1.88	1.68
January	364	129	194	.584	.67
February	854	129	295	.889	.93
March	332	106	169	.509	.59
April	1,360	160	428	1.29	1.44
May	353	94	164	.494	.57
June	385	53	111	.334	.37
July	192	36	80.2	.242	.28
August	601	52	141	.425	.49
September	166	36	59.1	.178	.20
The period	2,110	36	217	.654	7.22

MISCELLANEOUS DISCHARGE MEASUREMENTS

In addition to the records of flow obtained at the gaging stations and reported in the preceding pages, measurements were made at other points, as shown by the following table:

Miscellaneous discharge measurements in north Atlantic slope drainage basin 1926–27

Date	Stream	Tributary to or diverting from—	Locality	Gage height	Discharge
				Feet	*Sec.-ft.*
Aug. 25	Moose River	Kennebec River	Rockwood, Me	[a] 4.03	730
25	do	do	do	[a] 3.51	394
15	Bakers River	Pemigewasset River	1½ miles above mouth of Bakers River at Plymouth, N. H.		109
Dec. 6	Winnepesaukee	Merrimack River	Outlet of Winnepesaukee Lake, at Lakeport, N. H.		579
6	do	do	do		586
Aug. 14	do	do	do		530
28	Connecticut River	Atlantic Ocean	1,000 feet below power plant at Vernon, Vt.	84.81	266
28	do	do	do	85.86	1,140
29	do	do	do	91.25	11,600
29	do	do	do	89.42	6,930
Nov. 22	Ferry Brook	Otter Brook	Mouth of Ferry Brook 0.3 mile below gaging station, Otter Brook near Keene, N. H.		5.9
Jan. 18	do	do	do		2.0
Mar. 8	do	do	do		3.4
June 15	do	do	do		.48
Nov. 19	Diversion canal from East Branch of Tully River.	Packard Pond	Near Athol, Mass		27
June 6	do	do	do		13.0
Sept. 1	Swift River	Chicopee River	At Boston Duck Mills bridge at plant A at Bondsville, Mass.	.44	36.4
July 9	Glens Falls feeder	Hudson River	Gage No. 1, Glens Falls, N.Y.	281.77	200
Aug. 5	do	do	do	282.06	240
Sept. 16	do	do	do	281.48	207
July 9	do	do	Gage No. 2, Glens Falls, N.Y.	281.06	172
Aug. 5	do	do	do	281.10	194
Sept. 16	do	do	do	280.40	213
July 9	do	do	Gage No. 3, Glens Falls, N.Y.	279.78	168
Aug. 5	do	do	do	279.12	174
Sept. 16	do	do	do	279.48	188
Aug. 5	do	do	Below last lock at lower end of feeder near Dunhams Basin, N. Y.		133
Sept. 16	do	do	Dunhams Basin, N. Y.	147.65	113
Oct. 27	Chesapeake & Ohio Canal.	Potomac River	Point of Rocks, Md		47

[a] Staff gage one-third mile below Brassua Lake Dam.

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