

UNITED STATES DEPARTMENT OF THE INTERIOR

RAY LYMAN WILBUR, Secretary

GEOLOGICAL SURVEY

W. C. MENDENHALL, Director

Water-Supply Paper 697

SURFACE WATER SUPPLY *of the* UNITED STATES

1930

PART 2

SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO BASINS

NATHAN C. GROVER, Chief Hydraulic Engineer

J. J. DIRZULAITIS, E. D. BURCHARD, A. E. JOHNSON, W. R. KING

D. S. WALLACE, and C. E. McCASHIN

District Engineers

Prepared in cooperation with the States of
VIRGINIA, NORTH CAROLINA, and FLORIDA



UNITED STATES

GOVERNMENT PRINTING OFFICE

WASHINGTON : 1932

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ILLUSTRATION

FIGURE 1. Typical river-measurement station showing concrete well and house for water-stage recorder and staff gages, cable, and car.	Page
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SURFACE WATER SUPPLY OF SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO DRAINAGE BASINS, 1930

AUTHORIZATION AND SCOPE OF WORK

This volume is one of a series of 14 reports presenting records of measurements of flow made on streams in the United States during the year ending September 30, 1930.

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, 1895-1931

1895-----	\$12, 500. 00	1908-1910 -	\$100, 000. 00	1926-----	\$165, 000. 00
1896-----	24, 500. 00	1911-1917 -	150, 000. 00	1927-----	151, 000. 00
1897-1899--	50, 000. 00	1918-----	175, 000. 00	1928-----	147, 000. 00
1900-----	70, 000. 00	1919-----	148, 244. 10	1929-----	270, 500. 00
1901-2-----	100, 000. 00	1920-----	175, 000. 00	1930-----	275, 000. 00
1903-1906--	200, 000. 00	1921-1923 -	180, 000. 00	1931-----	565, 000. 00
1907-----	150, 000. 00	1924-25---	170, 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 page 10.

Measurements of stream flow have been made at about 6,070 points in the United States and also at many points in Alaska and the Hawaiian Islands. In July, 1930, 2,430 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 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.

EXPLANATION OF DATA

The data presented in this report cover the year beginning October 1, 1929, and ending September 30, 1930. At the beginning of January in most parts of the United States much of the precipitation 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

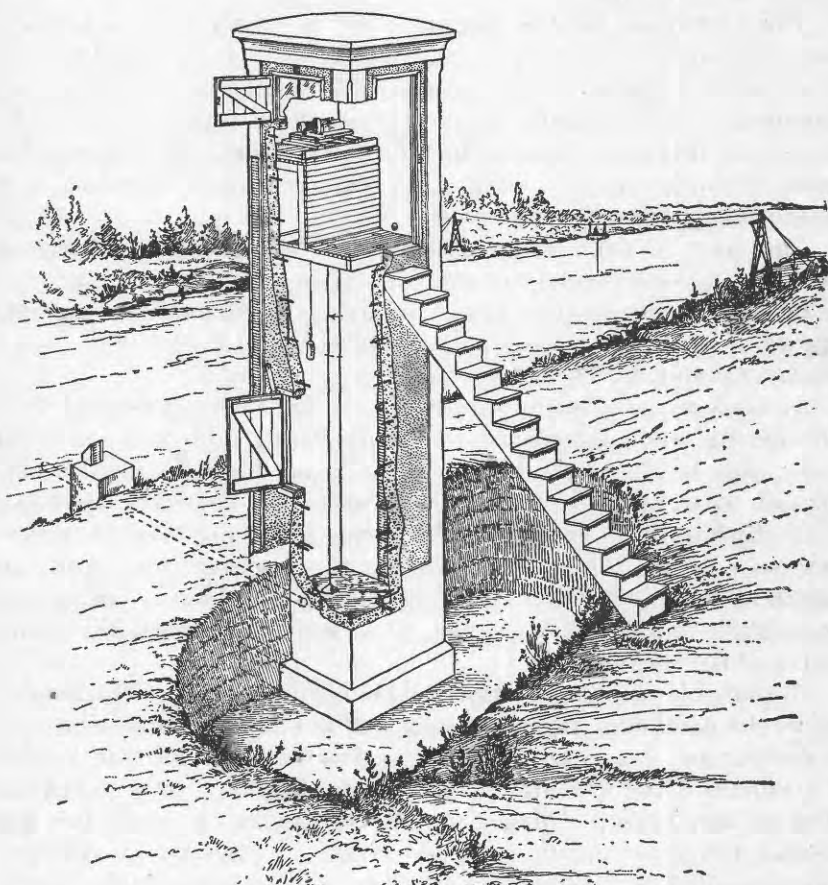


FIGURE 1.—Typical river-measurement station showing concrete well and house for water-stage recorder and staff gages, cable, and car

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 or chain gage, or from a water-stage recorder that gives a continuous record of the fluctuations. Measurements of discharge are made with a current meter by the general methods outlined in standard textbooks on the measurement 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 discharge, 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 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 a once daily reading or the mean of twice daily readings of a nonrecording gage, or the mean daily gage height obtained from a 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 the 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 permanency 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 artificial regulation of the flow of the river above the station. "Second-feet per square mile" and "run-off in inches" are therefore not computed if such errors appear probable. The computations are also omitted for stations on streams draining areas in which the annual rainfall is less than 20 inches.

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.

Many gaging stations on streams in the irrigated areas of the United States are situated 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 first be satisfied.

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 investigation 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 1. North Atlantic slope basins (St. John River to York River).
2. South Atlantic slope and eastern Gulf of Mexico basins (James River to the Mississippi).
3. Ohio River Basin.
4. St. Lawrence River Basin.
5. Hudson Bay and upper Mississippi River Basins.
6. Missouri River Basin.
7. Lower Mississippi River Basin.
8. Western Gulf of Mexico basins.
9. Colorado River Basin.
10. The Great Basin.
11. Pacific slope basins in California.

12. North Pacific slope drainage 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., 318 State Office Building.

Albany, N. Y., 506 Broadway-Arcade Building.

Trenton, N. J., 710 Trenton Trust Building.

Harrisburg, Pa., Claster Buiding.

Charlottesville, Va., Brooks Museum, University of Virginia.

South Charleston, W. Va., Naval Ordnance Plant.

Asheville, N. C., 220 Post Office Building.

Columbia, S. C., 801 National Loan & Exchange Bank Building.

Ocala, Fla., Post Office Building.

Tuscaloosa, Ala., Post Office Building.

Chattanooga, Tenn., 630 Power Building.

Columbus, Ohio, Engineering Experiment Station, Ohio State University.

Indianapolis, Ind., 319 Federal Building.

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 Metallurzy.

Fort Smith, Ark., Post Office Building.

Austin, Tex., State Capitol.

Santa Fe, N. Mex., 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 6,070 points in the United States, and the data obtained have been published in the reports tabulated on pages 7 and 9.

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-foot	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 Rivers, 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 and 1908.
W 261 to 272	do	1908.
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.
W 661 to 674	do	1928.
W 681 to 694	do	1929.
W 696 to 709	do	1930.

The records at most of the stations discussed in these reports extend over a series of years. Miscellaneous measurements at many points other than regular gaging stations have been made each year and are published under "Miscellaneous discharge measurements" at the end of each report, in the same relative order as the regular gaging stations. 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 1930. The data for any particular station will, as a rule, be found in the reports covering the years during which the station was maintained. For example, data for 1910 to 1920 for any station in the area covered by Part 3 are published in Water-Supply Papers 283, 303, 323, 353, 383, 403, 433, 453, 473, and 503, which contain records for the Ohio River Basin for those years.

Numbers of water-supply papers containing results of stream measurements, 1899-1930

[For basins included see p. 5]

Year	1	2	3	4	5	6	7	8	9	10	11	12-A	12-B	12-C
1899	35	35, 36	36	36	36	36, 37	37	37	37, 38	38, 39	38, 39	38	38	38
1900	47, 48	48	48, 49	49	49	49, 50	50	50	50	51	51	51	51	51
1901	65, 75	65, 75	65, 75	65, 75	65, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75
1902	82	82, 83	83	83	83	84	84	84	85	85	85	85	85	85
1903	97	97, 98	98	98	98	99	99	99	100	100	100	100	100	100
1904	124, 125	126, 127	128	129	129	130, 131	131	132	133	133, 134	134	135	135	135
1905	165, 166	167, 168	169	170	171	172	173	174	175, 177	176, 177	177	178	178	177, 178
1906	201, 202	203, 204	205	206	207	208	209	210	211, 213	212, 213	213	214	214	214
1907-8	242	242	243	244	245	246	247	248	249	250, 251	251	252	252	252
1909	261	262	263	264	265	266	267	268	269	270, 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	351	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
1928	661	662	663	664	665	666	667	668	669	670	671	672	673	674
1929	681	682	683	684	685	686	687	688	689	690	691	692	693	694
1930	696	697	698	699	700	701	702	703	704	705	706	707	708	709

- * Rating tables and index to Water-Supply Papers 35-39 contained in Water-Supply Paper 30. Tables of monthly discharge for 1899 in Twenty-first Annual Report, Part 4.
- * James River only.
- * Gallatin River only.
- * Green and Gunnison Rivers and Colorado River above junction with Gunnison.
- * Monarch River only.
- * Kings and Kern Rivers and South Pacific slope basins.
- * 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 32.
- * Tables of monthly discharge for 1900 in Twenty-second Annual Report, Part 4.
- * Wisconsin and Schuykill Rivers to James River.
- * Scioto River.
- * Loup and Platte Rivers near Columbus, Nebr., and all tributaries below junction with Platte.
- * Tributaries of Mississippi from east.
- * Lake Ontario and tributaries to St. Lawrence River proper.
- * Hudson Bay only.
- * New England rivers only.
- * Hudson River to Delaware River, inclusive.
- * Susquehanna River to Yackin River, inclusive.
- * Platte and Kansas Rivers.
- * Great Basin in California, except Truckee and Carson River Basins.
- * Below junction with Gila.
- * Rogue, Umpqua, and Siletz Rivers only.

COOPERATION

The work was done under cooperative agreements with the several States, as follows:

In Virginia with the Conservation and Development Commission of Virginia, W. E. Carson, chairman; in North Carolina with the North Carolina Department of Conservation and Development, John W. Harrelson, director; and in Florida by the Florida Geological Survey and the State Road Department of Florida.

Acknowledgments are due also to the Corps of Engineers, United States Army, for financial assistance in collecting the records published herein.

Valuable assistance was rendered by the following cities, organizations, corporations, and individuals: In Virginia by the Virginia Military Institute, Virginia Electric & Power Co., Virginia Public Service Co., Appalachian Electric Power Co., and Wm. C. Whitner & Co; in North Carolina by the cities of Greensboro, High Point, Raleigh, Durham, Burlington, and Graham, the Appalachian Electric Power Co., Carolina Power & Light Co., Cliffside Mills, Henry River Manufacturing Co., Roanoke River Power Co., and Virginia-Carolina Power Co; in South Carolina by the city of Spartanburg, the Lexington Water Power Co., Columbia Railway & Navigation Co., Broad River Power Co., and Allied Engineers (Inc.); in Florida by J. N. McDonald, Florida Power Corporation, and Messrs. Hill and Spencer; in Georgia by the Allied Engineers (Inc.), Columbus Electric & Power Co., Crisp County Power Commission, and Hardaway Contracting Co.; and in Alabama by the Alabama Power Co.

DIVISION OF WORK

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. F. Schrader, R. W. Sundstrom, A. R. Green, T. F. Hanly, A. D. Ash, H. C. Eagle, and Sue F. Norris.

Data for stations in North Carolina were collected and prepared for publication under the direction of E. D. Burchard, district engineer, assisted by A. E. Johnson, Karl Jetter, L. J. Hall, F. M. Bell, H. W. Palm, R. W. Sundstrom, H. A. Taylor, A. G. Hely, and Mrs. Effie T. Workman.

Data for stations in South Carolina were collected under the direction of E. D. Burchard, district engineer, and prepared for publication under the direction of Albert E. Johnson, district engineer. They were assisted by Karl Jetter, L. J. Hall, F. M. Bell, H. W. Palm, H. A. Taylor, R. W. Sundstrom, F. W. Wagener, Mrs. Effie T. Workman, and Miss Alice E. Ketner.

Records for stations on Savannah River near Calhoun Falls, S. C., Savannah River at Augusta, Ga., and Broad River near Bell, Ga.,

were prepared for publication under the direction of W. R. King, district engineer, assisted by Warren Withee.

The data for the stations in the St. Marys, Withlacoochee, and Suwannee River Basins in Georgia and Florida were collected and prepared for publication under the direction of W. R. King and D. S. Wallace, district engineers, assisted by Warren Withee, W. E. Eaton, Duncan Charlton, V. Alexander, Miss Gladys Boulton, and Miss Louise Volland. The data for stations in the Ochlockonee River Basin in Florida were collected and prepared for publication under the direction of C. E. McCashin and D. S. Wallace, district engineers, assisted by D. M. Corbett, C. H. Prior, I. E. Anderson, V. Alexander, and Miss Louise Volland. The data for stations in the Ocklawaha River Basin in Florida were collected and prepared for publication under the direction of D. S. Wallace, district engineer, assisted by V. Alexander and Miss Louise Volland.

The data for stations in Georgia (except for stations in the Savannah, St. Marys, and Suwannee River Basins), Alabama, Mississippi, and Louisiana, and for the stations on Apalachicola River near River Junction, Fla., Chipola River near Altha, Fla., and Choctawhatchee River near Caryville, Fla., were collected and prepared for publication under the direction of C. E. McCashin, district engineer, assisted by Penn Livingston, D. M. Corbett, J. S. Saunders, W. S. Eisnerlohr, jr., C. H. Prior, E. J. Tripp, I. E. Anderson, Randolph Thrasher, and Miss Annie L. Hardin.

The records were reviewed and manuscript assembled by P. R. Speer.

GAGING-STATION RECORDS

JAMES RIVER BASIN

JACKSON RIVER AT BARBER, VA.

LOCATION.—Chain gage at Smiths highway bridge, half a mile from Barber, Alleghany County, and half a mile below Falling Spring Creek.

DRAINAGE AREA.—409 square miles.

RECORDS AVAILABLE.—April, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 6,460 second-feet Nov. 18 (gage height, 10.60 feet); minimum, 58 second-feet Sept. 23, 25, 28–30 (gage height, 2.90 feet).

1925–1930: Maximum discharge, 6,850 second-feet Nov. 16, 1926 (gage height, 10.90 feet); minimum, that of Sept. 23, 25, 28–30, 1930.

Maximum stage known, about 25.6 feet March, 1913.

REMARKS.—Records good. Discharge estimated Dec. 24–26, Jan. 18–20, Feb. 1, 2, because of ice.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	98	302	288	662	220	382	304	196	110	80	66	67
2.....	1,720	317	364	662	240	364	290	196	106	80	67	67
3.....	1,290	1,980	317	614	274	348	304	184	103	76	64	61
4.....	546	1,980	288	568	1,170	332	318	184	101	75	64	61
5.....	348	1,170	302	503	2,070	302	276	184	97	72	64	62
6.....	274	818	302	461	1,360	302	332	184	101	78	70	64
7.....	234	614	317	440	1,050	614	870	172	114	73	76	66
8.....	208	482	400	400	874	2,450	928	172	112	72	76	64
9.....	170	400	440	382	712	1,470	814	172	118	68	70	67
10.....	158	332	420	364	662	1,050	658	172	235	70	66	70
11.....	147	332	400	332	546	870	544	161	348	68	64	67
12.....	143	317	400	317	482	814	499	171	235	68	64	64
13.....	136	288	420	317	440	708	458	161	184	70	66	64
14.....	134	288	440	317	440	658	419	161	161	70	68	62
15.....	130	288	440	332	420	610	382	172	128	73	85	62
16.....	122	302	420	317	348	564	364	172	126	72	90	61
17.....	124	317	420	302	348	520	318	161	120	72	83	62
18.....	119	6,200	420	200	348	499	304	161	116	73	75	61
19.....	117	2,980	546	220	332	610	304	196	112	72	73	61
20.....	119	1,570	764	240	317	658	276	196	106	67	70	62
21.....	128	614	662	302	302	564	276	172	108	66	70	61
22.....	2,550	818	591	288	302	499	276	150	101	66	67	61
23.....	1,980	662	546	348	302	419	262	150	95	68	72	61
24.....	990	568	400	302	348	400	248	150	92	66	70	61
25.....	614	524	320	288	420	400	235	139	88	68	70	60
26.....	382	440	320	234	461	438	235	139	87	66	70	61
27.....	348	440	364	302	440	382	222	128	92	66	72	61
28.....	302	400	524	288	400	332	209	128	90	66	76	58
29.....	274	400	1,230	288	-----	318	209	124	88	66	70	58
30.....	260	332	990	260	-----	318	196	120	82	66	70	58
31.....	274	-----	818	234	-----	318	-----	118	-----	64	67	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	2,550	98	466	1.14	1.31
November.....	6,200	288	882	2.16	2.41
December.....	1,230	288	480	1.17	1.35
January.....	662	220	359	.878	1.01
February.....	2,070	220	558	1.36	1.42
March.....	2,450	302	597	1.46	1.68
April.....	928	196	378	.924	1.03
May.....	196	118	162	.396	.46
June.....	348	82	125	.306	.34
July.....	80	64	70.2	.172	.20
August.....	90	64	70.8	.173	.20
September.....	70	58	62.5	.153	.17
The year.....	6,200	58	349	.853	11.58

JAMES RIVER AT LICK RUN, VA.

LOCATION.—Water-stage recorder at highway bridge at Lick Run. Botetourt County, three-fourths mile below junction of Cowpasture and Jackson Rivers.

DRAINAGE AREA.—1,370 square miles.

RECORDS AVAILABLE.—April, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 27,200 second-feet Nov. 18 (gage height, 17.75 feet); minimum, 159 second-feet Sept. 29 (gage height, 1.53 feet).

1925-1930: Maximum discharge, that of Nov. 18, 1929; minimum, that of Sept. 29, 1930.

Flood of September, 1877, reached a stage of 29.1 feet and that of March, 1913, a stage of 27.2 feet.

REMARKS.—Records excellent.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	261	1,180	857	2,440	703	920	864	626	330	234	198	186
2.....	6,430	1,130	1,030	2,100	864	899	824	620	317	231	198	183
3.....	7,560	2,120	1,050	1,960	1,050	878	837	598	309	225	201	180
4.....	2,380	5,710	899	1,780	4,140	830	906	571	297	217	198	177
5.....	1,290	3,760	878	1,500	10,200	798	906	555	285	217	201	186
6.....	913	2,440	934	1,340	5,230	761	1,070	550	313	217	307	177
7.....	725	1,780	941	1,240	4,120	2,820	3,530	566	424	226	220	183
8.....	620	1,440	1,050	1,190	3,120	9,780	3,360	555	379	226	228	186
9.....	550	1,170	1,200	1,130	2,440	5,730	2,800	540	456	207	217	186
10.....	490	1,010	1,180	1,060	2,030	3,600	2,230	510	737	204	207	186
11.....	460	934	1,120	983	1,720	2,880	1,840	495	731	198	204	186
12.....	433	885	1,150	913	1,440	2,580	1,600	485	686	195	198	186
13.....	420	837	1,200	864	1,340	2,160	1,440	540	545	198	186	192
14.....	415	804	1,220	857	1,290	1,900	1,290	515	465	201	192	195
15.....	397	804	1,220	899	1,200	1,720	1,190	510	415	207	207	195
16.....	374	804	1,200	899	1,070	1,550	1,090	505	370	201	210	195
17.....	361	1,030	1,130	837	941	1,440	990	505	366	204	217	192
18.....	348	19,800	1,090	811	927	1,390	934	500	374	207	214	189
19.....	334	14,500	1,500	737	920	1,440	899	593	348	207	207	186
20.....	330	6,060	2,440	626	892	1,600	864	626	321	201	207	186
21.....	338	3,840	2,230	779	857	1,500	811	566	293	198	204	183
22.....	8,390	2,800	1,780	824	818	1,340	824	500	281	201	204	177
23.....	9,160	2,230	1,720	885	811	1,200	811	465	269	201	204	180
24.....	3,840	1,900	1,500	941	844	1,110	773	442	265	204	201	180
25.....	2,160	1,600	1,240	850	920	1,070	725	420	245	204	201	180
26.....	1,500	1,440	1,190	804	990	1,100	703	402	238	201	204	180
27.....	1,160	1,340	1,170	844	1,010	1,140	681	384	242	201	207	177
28.....	962	1,340	2,210	864	969	1,010	653	374	245	207	201	174
29.....	857	1,290	4,690	850	-----	941	637	366	245	231	198	168
30.....	844	1,120	3,870	818	-----	920	626	356	242	207	201	165
31.....	1,050	-----	3,120	725	-----	899	-----	348	-----	201	189	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	9,160	261	1,790	1.3	1.51
November.....	19,800	804	2,900	2.12	2.36
December.....	4,690	857	1,550	1.13	1.30
January.....	2,440	626	1,080	.788	.91
February.....	10,200	703	1,890	1.38	1.44
March.....	9,780	761	1,870	1.36	1.57
April.....	3,530	626	1,220	.891	.99
May.....	626	348	503	.367	.42
June.....	737	238	368	.269	.30
July.....	234	195	209	.153	.18
August.....	228	186	204	.149	.17
September.....	195	165	183	.134	.15
The year.....	19,800	165	1,140	.832	11.30

JAMES RIVER AT BUCHANAN, VA.

LOCATION.—Water-stage recorder at highway bridge near Chesapeake & Ohio Railway station at Buchanan, Botetourt County.

DRAINAGE AREA.—2,080 square miles.

RECORDS AVAILABLE.—August, 1895, to September, 1930.

EXTREMES.—Maximum discharge during year, 39,000 second-feet Nov. 19 (gage height, 16.50 feet); minimum, 265 second-feet Sept. 28–30 (gage height, 1.60 feet).

1895–1930: Maximum gage height, 31 feet Mar. 27, 1917 (discharge not determined); minimum discharge, that of Sept. 28–30, 1930. A discharge of 260 second-feet reported on Apr. 17 and May 2, 1896, is subject to error, owing to unreliability of record prior to 1898.

REMARKS.—Records excellent. Discharge estimated Jan. 31 to Feb. 2.

Daily and monthly discharge, in second-feet, 1929–37

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	584	2,480	1,630	4,000	1,100	1,290	1,220	872	479	362	293	290
2.....	8,810	2,320	1,620	3,440	1,350	1,240	1,160	864	462	354	293	286
3.....	17,900	2,400	1,950	3,170	1,810	1,200	1,160	847	457	344	286	282
4.....	5,860	7,130	1,810	2,900	4,940	1,190	1,260	806	435	336	282	276
5.....	2,990	6,740	1,630	2,480	15,600	1,150	1,300	782	425	328	282	272
6.....	2,020	4,480	1,680	2,240	10,100	1,090	1,340	774	430	328	290	286
7.....	1,550	3,440	1,670	2,090	6,770	2,040	1,160	758	545	328	308	279
8.....	1,280	2,730	1,680	2,020	5,040	12,200	5,040	750	569	328	332	286
9.....	1,090	2,240	1,810	1,880	3,900	9,300	4,000	735	593	328	340	304
10.....	965	1,950	1,880	1,810	3,160	5,600	3,160	698	1,050	312	316	300
11.....	888	1,740	1,740	1,670	2,750	4,200	2,670	661	983	304	296	293
12.....	832	1,630	1,810	1,530	2,370	3,600	2,370	647	966	300	293	293
13.....	784	1,540	1,810	1,430	2,150	3,160	2,150	661	806	296	286	296
14.....	753	1,480	1,810	1,420	2,080	2,750	1,940	690	675	308	279	316
15.....	725	1,440	1,810	1,430	1,940	2,440	1,800	661	593	312	296	304
16.....	697	1,430	1,810	1,430	1,740	2,220	1,670	654	545	316	316	308
17.....	669	1,480	1,740	1,360	1,540	2,080	1,520	654	569	316	316	340
18.....	648	19,100	1,670	1,310	1,440	2,010	1,420	698	575	320	332	304
19.....	634	28,200	2,090	1,210	1,430	2,010	1,350	742	545	320	324	293
20.....	620	10,500	3,170	1,050	1,370	2,220	1,280	814	506	312	308	293
21.....	641	6,390	3,350	1,090	1,320	2,080	1,210	806	479	300	300	293
22.....	9,240	4,680	2,820	1,300	1,270	1,940	1,190	705	446	296	300	290
23.....	19,200	3,810	2,640	1,380	1,220	1,800	1,180	640	425	300	296	282
24.....	8,190	3,260	2,400	1,440	1,240	1,630	1,100	605	410	300	300	282
25.....	4,580	2,900	2,020	1,340	1,320	1,570	1,040	575	405	300	296	279
26.....	3,170	2,560	1,880	1,260	1,400	1,580	1,000	551	376	300	300	282
27.....	2,400	2,400	1,880	1,330	1,410	1,630	966	540	376	296	312	276
28.....	1,950	2,240	2,970	1,390	1,370	1,480	940	518	372	300	320	268
29.....	1,680	2,160	6,730	1,340	-----	1,360	898	512	376	332	308	265
30.....	1,650	2,020	6,430	1,320	-----	1,290	872	506	372	354	300	265
31.....	2,020	-----	4,980	1,150	-----	1,270	-----	496	-----	308	300	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	19,200	584	3,390	1.63	1.88
November.....	28,200	1,430	4,560	2.19	2.44
December.....	6,730	1,620	2,420	1.16	1.34
January.....	4,000	1,050	1,750	.841	.97
February.....	15,600	1,100	2,970	1.43	1.49
March.....	12,200	1,090	2,600	1.25	1.44
April.....	5,040	872	1,750	.841	.94
May.....	872	496	685	.329	.38
June.....	1,050	372	542	.261	.29
July.....	362	296	317	.152	.18
August.....	340	279	303	.146	.17
September.....	340	265	289	.139	.15
The year.....	28,200	265	1,790	.861	11.67

JAMES RIVER AT SALT CREEK, VA.

LOCATION.—Water-stage recorder at Bald Eagle dam site, three-fourths mile above Salt Creek post office, Amherst County, and 2½ miles below Pedlar River.

DRAINAGE AREA.—3,250 square miles.

RECORDS AVAILABLE.—December, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 46,800 second-feet Nov. 19 (gage height, 14.92 feet); minimum, about 112 second-feet July 28 (gage height, 0.89 foot).

1926-1930: Maximum discharge, 55,800 second-feet Aug. 16, 1928 (gage height, 16.8 feet); minimum, that of July 28, 1930.

Maximum stage known, about 29 feet November, 1877, and March, 1913.

REMARKS.—Records excellent except those below 500 second-feet, which are good. Operations at the numerous dams upstream cause diurnal fluctuations at gage.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,040	2,930	2,520	5,850	1,880	2,190	2,110	1,410	685	626	345	414
2	14,200	3,150	2,360	4,860	1,680	1,880	2,080	1,430	930	651	478	390
3	21,100	2,930	2,930	4,470	2,820	2,130	2,130	1,470	766	584	420	385
4	9,180	5,690	2,930	4,220	5,320	2,060	2,020	1,410	775	420	506	408
5	4,360	8,730	2,720	3,730	18,800	1,810	2,170	1,280	703	513	375	402
6	3,040	6,000	2,520	3,730	15,500	1,730	2,240	1,400	766	584	478	385
7	2,400	4,600	2,520	3,260	10,200	6,290	3,260	1,230	651	584	450	450
8	2,020	3,730	2,440	3,040	7,710	22,800	6,300	1,260	1,050	584	552	390
9	1,680	3,150	2,520	2,930	6,150	15,400	5,700	1,240	1,010	552	568	396
10	1,520	2,820	2,620	2,820	5,130	9,680	4,860	1,300	1,540	536	375	385
11	1,340	2,420	2,620	2,620	4,730	7,350	3,970	920	1,680	536	608	390
12	1,290	2,360	2,520	2,260	4,220	6,300	3,610	1,160	1,440	544	331	438
13	1,180	2,260	2,620	2,280	3,380	5,700	3,040	1,180	1,430	536	544	526
14	1,180	2,090	2,620	2,080	3,380	4,600	3,040	1,230	1,260	528	390	526
15	1,260	2,020	2,620	2,280	3,260	4,340	2,720	1,250	1,050	375	485	390
16	1,140	2,130	2,620	2,340	2,520	3,500	2,620	1,200	950	283	390	457
17	1,100	1,930	2,360	2,220	3,040	3,610	2,520	1,150	1,250	520	544	464
18	910	17,800	2,420	2,150	2,420	3,380	2,460	1,130	1,340	520	457	544
19	1,020	39,400	2,620	1,860	2,260	3,380	2,260	1,370	1,200	528	375	492
20	910	15,300	4,220	1,970	2,130	3,150	1,930	1,410	940	513	576	432
21	1,010	9,300	4,730	1,860	2,420	3,260	2,210	1,390	980	457	390	414
22	6,780	6,750	4,220	1,860	2,240	3,040	2,090	1,360	592	450	471	432
23	23,600	5,270	3,850	2,320	2,090	2,620	1,950	1,140	930	471	420	478
24	12,600	4,600	3,500	2,360	2,380	3,040	1,900	1,080	739	485	414	375
25	6,860	4,090	3,150	2,360	1,920	2,720	1,800	950	748	450	414	444
26	4,490	3,610	2,930	1,990	2,210	2,620	1,750	1,010	703	520	426	408
27	3,610	3,500	2,820	2,320	2,340	2,720	1,680	930	730	478	478	283
28	2,930	3,260	3,380	2,320	2,080	2,500	1,560	970	668	223	528	450
29	2,520	3,150	7,800	2,210	-----	2,210	1,650	950	600	313	432	385
30	2,360	3,040	9,040	2,320	-----	2,240	1,430	832	592	651	506	295
31	2,500	-----	7,350	1,950	-----	2,240	-----	775	-----	584	471	-----
Month	Maximum			Minimum			Mean			Per square mile		Run-off in inches
October	23,600			910			4,550			1.40		1.61
November	39,400			2,020			5,930			1.82		2.03
December	9,040			2,360			3,420			1.05		1.21
January	5,850			1,860			2,740			.843		.97
February	18,800			1,680			4,440			1.37		1.43
March	22,800			1,730			4,530			1.39		1.60
April	6,300			1,430			2,640			.812		.91
May	1,470			775			1,190			.365		.42
June	1,680			502			957			.294		.33
July	651			223			503			.155		.18
August	608			331			458			.141		.16
September	544			283			421			.137		.14
The year	39,400			223			2,630			.807		11.00

JAMES RIVER AT BENT CREEK, VA.

LOCATION.—Water-stage recorder installed Sept. 12, 1930, at highway bridge at Bent Creek, Appomattox County, 50 feet below Bent Creek and 1 mile below Gladstone. Chain gage at same site used prior to Sept. 12, 1930.

DRAINAGE AREA.—3,670 square miles.

RECORDS AVAILABLE.—March, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 48,800 second-feet Nov. 19 (gage height, 14.60 feet); minimum, 204 second-feet Sept. 29 (gage height, 2.23 feet).

1925-1930: Maximum discharge, 74,000 second-feet Aug. 17, 1928 (gage height, 18.80 feet); minimum, that of Sept. 29, 1930.

REMARKS.—Records good above and poor below 1,200 second-feet prior to Sept. 12, 1930; records good after that date.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,260	2,960	2,760	6,990	2,460	2,360	2,360	1,450	815	604	717	480
2.....	20,200	3,160	2,760	5,900	2,760	2,260	2,460	1,540	865	790	530	480
3.....	24,400	4,460	3,160	5,160	3,160	2,460	2,170	1,620	932	932	583	*460
4.....	14,400	3,800	2,960	4,920	4,460	*2,300	2,560	1,710	932	790	460	*430
5.....	6,710	9,770	2,960	4,020	18,000	*2,150	2,760	1,450	932	648	594	*400
6.....	4,240	7,280	2,960	3,800	18,000	2,080	2,760	1,710	790	530	541	*380
7.....	3,370	5,400	*2,960	4,240	12,900	2,760	4,020	1,620	932	728	440	*400
8.....	2,760	4,020	2,960	3,800	8,800	27,800	*5,900	1,540	932	728	541	*330
9.....	2,260	3,800	2,960	3,370	7,280	17,200	5,650	1,370	1,450	660	*510	530
10.....	1,980	3,160	3,160	3,160	*6,160	10,800	5,400	1,540	1,800	682	*550	520
11.....	1,890	2,760	2,960	3,370	5,160	9,120	4,240	1,620	2,170	728	460	470
12.....	1,620	2,560	2,960	2,960	4,690	7,280	4,020	1,140	1,980	740	*440	500
13.....	1,620	2,560	2,760	2,560	4,240	5,900	3,370	1,800	1,620	636	562	460
14.....	1,540	2,560	2,960	2,760	*4,020	5,400	*3,350	*1,600	1,620	648	470	490
15.....	1,370	2,360	2,960	2,960	*3,800	4,920	*3,100	*1,700	1,370	625	583	480
16.....	1,370	2,260	2,960	2,960	3,800	4,240	*3,000	1,450	1,140	562	520	520
17.....	1,370	2,080	2,960	2,460	2,960	4,020	*3,150	1,450	1,140	480	*580	500
18.....	1,710	5,160	2,560	2,560	2,960	*3,900	*2,750	1,450	2,080	420	*470	480
19.....	1,370	33,800	2,760	2,560	2,760	*3,750	2,960	1,980	1,710	717	583	510
20.....	1,220	19,800	3,800	2,560	2,760	*3,650	2,460	2,560	1,070	*620	470	490
21.....	1,220	11,200	4,690	2,360	2,560	*3,650	*2,700	1,710	932	*540	*510	450
22.....	1,450	7,880	4,690	2,460	2,760	*3,450	*2,300	*1,600	1,220	*540	*520	393
23.....	24,400	6,160	4,460	2,760	2,560	3,160	*2,300	1,540	802	*500	*500	490
24.....	17,200	4,920	4,460	2,760	*2,460	3,160	*2,300	1,370	1,000	460	*480	440
25.....	8,180	4,690	3,580	3,580	2,460	2,760	*2,250	932	752	552	*490	430
26.....	5,160	4,240	3,370	2,560	2,760	2,760	*2,200	1,540	802	552	440	430
27.....	4,020	4,020	3,160	*2,800	2,360	2,960	*2,150	1,140	1,000	510	541	450
28.....	3,800	3,370	3,370	*2,650	2,170	2,960	2,080	1,290	932	614	552	402
29.....	2,960	3,160	6,710	*2,700	-----	2,760	1,710	1,220	790	480	*590	258
30.....	2,760	3,160	10,400	*2,650	-----	*2,300	1,620	1,140	682	322	*480	450
31.....	2,760	-----	8,490	*2,750	-----	*2,700	-----	1,000	-----	490	*390	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	24,400	1,220	5,530	1.51	1.74
November.....	33,800	2,080	5,880	1.60	1.78
December.....	10,400	2,560	3,760	1.02	1.18
January.....	6,990	2,360	3,330	.907	1.05
February.....	18,000	2,170	5,040	1.37	1.43
March.....	27,800	2,080	5,060	1.38	1.59
April.....	5,900	1,620	3,000	.817	.91
May.....	2,560	932	1,510	.411	.47
June.....	2,170	682	1,170	.319	.36
July.....	932	322	607	.165	.19
August.....	717	390	519	.141	.16
September.....	530	258	450	.123	.14
The year.....	33,800	258	2,980	.812	11.00

* Estimated.

JAMES RIVER AT SCOTTSVILLE, VA.

LOCATION.—Water-stage recorder at highway bridge at Scottsville, Albemarle County, 7 miles above Hardware River.

DRAINAGE AREA.—4,570 square miles.

RECORDS AVAILABLE.—February, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 45,800 second-feet Nov. 19 (gage height, 16.12 feet); minimum, 275 second-feet Sept. 30 (gage height, 1.48 feet).

1925-1930: Maximum discharge, 75,600 second-feet Aug. 17, 1928 (gage height, 20.92 feet); minimum, that of Sept. 30, 1930.

REMARKS.—Records excellent. Discharge estimated May 19. Operations at the numerous dams upstream cause diurnal fluctuations at gage.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,390	3,600	3,780	8,410	3,440	3,030	3,350	2,280	1,390	960	504	450
2	8,040	4,030	3,690	7,150	3,110	3,030	3,190	2,420	1,270	872	938	536
3	25,500	4,370	4,200	6,370	3,520	2,950	3,030	2,280	1,290	1,150	730	512
4	21,600	4,280	4,200	5,990	5,440	2,870	3,350	2,220	1,340	1,260	578	488
5	9,700	7,430	4,030	5,630	13,800	2,950	3,190	2,280	1,220	982	512	435
6	6,180	9,190	3,690	5,270	22,600	2,790	3,350	2,220	1,260	850	596	420
7	4,910	6,950	3,600	4,910	15,500	2,930	4,910	2,220	1,180	690	750	450
8	3,690	5,630	3,690	4,460	11,300	25,400	5,090	2,080	1,260	820	496	420
9	2,950	4,910	3,520	4,120	8,860	26,100	7,350	1,960	1,380	800	660	379
10	2,640	4,280	3,600	4,030	7,560	16,500	6,560	1,960	1,820	810	614	552
11	2,490	3,600	3,600	3,780	6,750	11,300	5,810	2,020	2,080	800	690	512
12	2,490	3,520	3,600	3,520	6,180	9,100	5,090	1,890	2,220	872	569	528
13	2,280	3,270	3,600	3,350	5,630	7,770	4,730	1,640	2,220	982	552	552
14	2,080	3,270	3,600	3,520	5,090	6,950	4,280	2,150	1,960	760	596	480
15	2,080	3,190	3,690	3,940	4,910	6,180	4,280	2,020	1,890	710	442	536
16	2,150	3,190	3,600	3,780	4,730	5,990	3,780	2,150	1,640	780	641	496
17	1,960	3,110	3,600	3,690	3,940	5,090	3,690	1,960	1,520	710	544	596
18	1,890	5,970	3,600	3,520	4,120	5,270	3,780	1,890	2,280	596	690	552
19	1,760	32,200	3,690	3,520	3,780	4,910	3,440	2,190	2,560	536	544	587
20	1,700	31,300	4,120	2,950	3,440	4,730	3,440	2,490	1,960	700	650	623
21	1,640	14,300	5,450	3,110	3,440	4,550	2,790	2,710	1,360	660	504	660
22	3,320	9,640	5,810	3,520	3,270	4,550	3,350	2,080	1,320	614	552	569
23	14,700	7,720	5,810	3,860	3,520	4,370	3,110	2,020	1,460	680	596	458
24	22,200	6,750	5,270	4,120	3,190	3,860	2,870	2,020	1,150	560	578	578
25	11,200	5,990	4,550	3,860	3,350	4,370	2,870	1,760	1,280	560	504	496
26	7,300	5,630	4,280	3,520	3,110	4,030	2,710	1,370	1,060	614	536	512
27	5,800	4,910	4,030	3,270	3,110	3,690	2,640	1,820	1,170	614	488	435
28	4,730	4,730	4,280	3,520	3,270	3,860	2,490	1,640	1,340	544	552	472
29	4,030	4,460	5,740	3,350	-----	3,600	2,420	1,520	1,150	690	552	435
30	3,690	4,120	10,000	3,440	-----	3,440	2,640	1,640	1,040	560	680	346
31	3,600	-----	10,400	3,270	-----	3,190	-----	1,520	-----	405	587	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	25,500	1,390	6,120	1.34	1.54
November	32,200	3,110	7,180	1.57	1.75
December	10,400	3,520	4,530	.99	1.14
January	8,410	2,950	4,220	.923	1.06
February	22,600	3,110	6,070	1.33	1.38
March	26,100	2,790	6,430	1.41	1.63
April	7,350	2,420	3,790	.82	.92
May	2,710	1,370	2,010	.44	.51
June	2,560	1,040	1,540	.337	.38
July	1,260	405	746	.163	.19
August	938	442	594	.13	.15
September	660	346	502	.110	.12
The year	32,200	346	3,630	.79	10.77

JAMES RIVER AT CARTERSVILLE, VA.

LOCATION.—Water-stage recorder at highway bridge between Pemberton and Cartersville, Cumberland County, 1 mile below Willis River.

DRAINAGE AREA.—6,240 square miles.

RECORDS AVAILABLE.—January, 1899, to September, 1930.

EXTREMES.—Maximum discharge during year, 48,000 second-feet Nov. 20 (gage height, 15.82 feet); minimum, 433 second-feet Sept. 30 (gage height, 0.19 foot).

1899-1930: Maximum discharge, about 106,000 second-feet Dec. 30, 1901 (gage height, 26.7 feet); minimum, that of Sept. 30, 1930.

REMARKS.—Records excellent. Daily discharge estimated Feb. 23 to Mar. 1, Mar. 11-15, Sept. 9, 10, 17-19.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,000	4,900	4,600	12,000	4,900	4,600	4,220	3,500	1,900	1,270	556	630
2.....	9,820	4,900	4,600	9,710	5,000	4,040	4,040	3,240	1,710	1,490	592	529
3.....	33,400	4,900	6,100	8,480	5,900	4,220	3,940	3,160	1,640	1,850	928	556
4.....	28,400	5,700	6,520	7,580	9,270	3,760	4,320	3,160	1,640	2,050	765	556
5.....	15,900	7,360	5,700	7,150	24,500	4,040	4,600	2,980	1,540	1,610	620	520
6.....	8,640	12,400	5,300	6,520	30,500	3,940	4,900	2,900	1,540	1,270	601	496
7.....	6,320	9,750	4,800	6,100	25,600	3,830	13,900	2,730	1,610	1,100	650	480
8.....	4,800	7,800	4,700	6,100	18,000	29,200	9,510	2,820	1,520	928	787	488
9.....	4,220	6,730	4,700	5,500	13,400	38,500	9,880	2,640	1,730	1,030	583	526
10.....	3,410	5,700	4,510	5,300	10,800	25,600	9,210	2,480	2,220	979	690	563
11.....	3,240	4,600	4,510	5,000	9,460	17,000	8,020	2,560	2,560	966	650	601
12.....	3,160	4,510	4,600	4,700	8,020	12,900	7,150	2,560	2,820	916	710	556
13.....	2,980	4,220	4,600	4,510	7,360	10,300	6,310	2,220	2,640	1,070	630	556
14.....	2,730	4,220	4,600	4,800	6,940	9,300	5,900	2,480	2,480	992	556	592
15.....	2,640	4,320	4,600	6,940	6,520	8,300	5,500	2,980	2,390	856	610	556
16.....	2,560	4,320	4,510	6,520	6,310	7,360	5,300	2,820	2,100	832	488	601
17.....	2,640	4,130	4,510	5,900	5,900	6,940	5,000	2,640	2,050	868	640	560
18.....	2,480	4,940	4,600	5,700	5,100	6,520	5,300	2,560	2,730	820	754	650
19.....	2,390	22,100	5,100	6,100	5,500	6,310	5,300	3,070	3,760	710	798	600
20.....	2,150	43,000	5,500	5,300	5,000	6,310	4,800	3,760	3,160	670	650	640
21.....	2,170	21,800	5,900	4,700	4,700	5,900	4,420	3,500	2,560	787	732	630
22.....	9,500	13,800	6,730	5,700	4,420	5,700	4,040	3,070	1,710	743	592	670
23.....	20,600	10,500	6,940	6,940	4,510	5,700	4,320	2,730	1,680	700	620	630
24.....	29,800	8,720	6,730	6,730	4,600	5,300	4,040	2,560	1,780	743	650	538
25.....	19,600	7,800	6,100	6,100	4,320	4,900	3,760	2,560	1,430	640	610	601
26.....	11,200	7,150	5,500	5,500	4,510	5,500	3,760	2,300	1,570	630	574	538
27.....	8,250	6,310	5,500	5,100	4,040	5,100	3,580	1,910	1,270	660	574	538
28.....	6,730	5,900	6,310	4,900	4,040	4,510	3,500	2,220	1,850	650	592	472
29.....	5,500	5,300	8,480	5,500	-----	4,900	3,500	1,980	1,730	610	650	488
30.....	5,100	5,100	12,500	5,000	-----	4,420	3,240	1,900	1,380	856	660	464
31.....	5,000	-----	14,400	4,600	-----	4,040	-----	2,020	-----	670	710	-----

Month	Maximum	Minimum	Mean	Per square rile	Run-off in inches
October.....	33,400	2,000	8,620	1.38	1.59
November.....	43,000	4,130	8,760	1.40	1.56
December.....	14,400	4,510	5,930	.950	1.10
January.....	12,000	4,510	6,150	.986	1.14
February.....	30,500	4,040	8,900	1.43	1.49
March.....	38,500	3,760	8,680	1.39	1.60
April.....	13,900	3,240	5,510	.883	.99
May.....	3,760	1,900	2,710	.434	.50
June.....	3,760	1,270	2,020	.324	.36
July.....	2,050	610	967	.155	.18
August.....	928	488	652	.104	.12
September.....	670	464	561	.090	.10
The year.....	43,000	464	4,930	.790	10.73

WARM SPRING AT WARM SPRINGS, VA.

LOCATION.—Water-stage recorder just above 90° V-notch weir about 200 feet below Warm Spring at town of Warm Springs, Bath County.

RECORDS AVAILABLE.—June, 1928, to September, 1930.

EXTREMES.—1928–1930: Maximum daily mean discharge, 5.45 second-feet Nov. 18, 1929 (flow probably increased somewhat by local surface run-off); minimum daily mean discharge (estimated), 1.90 second-feet Sept. 27–30, 1930.

REMARKS.—Records excellent except those for estimated days, which are fair. Stage-discharge relation was affected by débris on weir July 20, 21, 25, 26, 29, 31, Aug. 1, 2, 5, 6, 8–12, 14, 16–18, 21, Sept. 1, 7, Oct. 15–18, 1929; July 5–12, 15, 18–26, 28–31, Aug. 1–13, 15, 17–19, 29, Sept. 1–5, 7, 9, 12, 19, 27–30, 1930; discharge estimated from fragmentary record. Flow on Feb. 26, 28, Mar. 5, Nov. 17–19, 1929, and Mar. 7, 8, 1930, appears to have been increased somewhat by local surface run-off. Flow from spring basin is regulated by flashboards.

Daily discharge, in second-feet, 1928–1930

Day	June	July	Day	June	July	Day	June	July
1928								
1.....		3.17	11.....		3.19	21.....		3.19
2.....		3.12	12.....		3.18	22.....		3.04
3.....		3.14	13.....		3.56	23.....		3.01
4.....		3.20	14.....		3.40	24.....		3.14
5.....		3.23	15.....		3.30	25.....		3.06
6.....		3.28	16.....			26.....		3.12
7.....		3.21	17.....			27.....		3.11
8.....		3.25	18.....	3.18		28.....		3.06
9.....		3.34	19.....	3.16		29.....		3.09
10.....		3.30	20.....	3.06		30.....		3.05

Day	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1928-29											
1.....		2.98	2.72		2.91	2.88	3.06	2.98	3.13	3.00	2.87
2.....		2.86	2.72		2.95	2.95	2.95	3.03	3.14	2.87	2.81
3.....		2.73	2.69		2.80	2.91	2.98	3.16	3.08	3.19	2.88
4.....		2.75	2.63		2.88	2.90	3.08	3.18	3.06	3.07	2.82
5.....		2.75	2.57		3.47	2.92	3.03	3.15	3.03	2.87	2.93
6.....		2.75	2.67		3.07	2.92	2.96	3.14	2.99	2.87	2.95
7.....		2.94	2.65		2.92	2.94	3.06	3.13	3.17	3.06	2.87
8.....		2.83	2.62		2.90	3.07	3.07	3.12	3.00	2.94	2.86
9.....		2.76	2.61		2.82	3.07	3.09	3.20	2.99	3.00	3.01
10.....		2.68	2.62		2.84	3.02	3.06	3.16	3.02	3.00	2.80
11.....		2.66	2.61		2.90	3.01	3.07	3.20	3.03	2.94	2.73
12.....	2.67	2.64	2.65		2.87	2.98	2.96	3.21	3.04	2.87	2.71
13.....	2.64	2.66	2.62		2.90	2.98	3.00	3.22	3.32	2.89	2.82
14.....	2.68	2.72	2.72		2.95	3.04	3.01	3.16	3.30	2.94	2.67
15.....	2.74	2.77	2.71	2.72	3.01	3.08	2.97	3.22	3.06	2.91	2.65
16.....	2.72	2.82	2.66	2.76	3.05	3.44	3.04	3.24	3.12	2.94	2.69
17.....	2.70	2.85	2.67	2.71	2.94	3.35	3.06	3.15	2.98	2.87	2.74
18.....	2.81	2.80	2.65	2.65	2.86	3.29	3.04	3.21	3.01	2.94	2.67
19.....	2.73	2.70		2.71	2.86	3.24	2.97	3.38	3.00	2.94	2.66
20.....	2.74	2.71		2.70	2.89	3.21	2.91	3.18	2.87	3.07	2.60
21.....	2.68	2.69		2.62	2.90	3.30	2.94	3.11	2.87	2.87	2.65
22.....	2.69	2.70		2.62		3.29	3.03	3.19	3.04	2.90	2.63
23.....	2.76	2.72		2.65		3.29	2.92	3.54	3.05	2.86	2.65
24.....	2.70	2.76		2.66		3.25	2.96	3.29	3.00	2.84	2.64
25.....	2.71	2.74		2.67		3.25	3.00	3.27	3.08	3.09	2.58
26.....	2.70	2.66		3.90		3.28	3.00	3.26	3.00	2.88	2.62
27.....	2.60	2.58		2.99		3.30	2.92	3.22	3.17	2.96	2.62
28.....	2.62	2.61		3.47		3.19	2.96	3.20	3.09	2.98	2.61
29.....	2.63	2.62				2.89	3.07	3.23	2.94	2.98	2.64
30.....	2.90	2.69				3.01	3.00	3.22	3.10	2.97	2.58
31.....		2.72					3.03		3.15	2.78	

*Daily discharge, in second-feet of Warm Spring at Warm Springs, Va.,
1928-1930—Continued*

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1928-30												
1.....	2.52	2.47	2.68	-----	2.59	2.50	2.76	2.69	2.52	2.40	2.29	2.07
2.....	3.10	2.56	2.64	-----	2.59	2.54	2.77	2.74	2.42	2.45	2.29	2.07
3.....	2.54	2.78	2.67	-----	2.57	2.53	2.72	2.71	2.44	2.40	2.29	2.07
4.....	2.54	2.67	2.66	-----	2.57	2.52	2.68	2.63	2.47	2.37	2.24	2.07
5.....	2.57	2.57	2.65	-----	2.57	2.78	2.62	2.75	2.50	2.35	2.29	2.07
6.....	2.45	2.49	2.66	-----	2.56	2.98	2.65	2.64	2.53	2.35	2.29	2.06
7.....	2.47	2.41	2.64	-----	2.54	3.53	2.64	2.82	2.54	2.35	2.29	2.07
8.....	2.50	2.43	2.57	-----	2.54	3.04	2.78	2.82	2.51	2.35	2.29	2.07
9.....	2.54	2.48	2.53	-----	2.87	2.71	2.73	2.67	2.49	2.42	2.16	2.07
10.....	2.52	2.50	2.53	-----	2.88	2.61	2.76	2.69	2.50	2.48	2.24	2.07
11.....	2.49	2.55	2.53	-----	2.70	2.62	2.62	2.76	2.45	2.42	2.18	2.04
12.....	2.43	2.54	2.52	-----	2.70	2.64	2.62	2.69	2.43	2.42	2.18	2.07
13.....	2.48	2.51	2.52	-----	2.65	2.68	2.65	2.80	2.42	2.45	2.24	2.09
14.....	2.57	2.49	2.54	2.59	2.55	3.09	2.62	2.77	2.55	2.40	2.22	1.96
15.....	2.54	2.46	2.59	2.61	2.53	3.06	2.65	2.70	2.63	2.42	2.24	2.03
16.....	2.54	2.44	2.65	2.62	2.52	2.60	2.64	2.64	2.44	2.58	2.28	2.01
17.....	2.48	4.44	-----	2.63	2.53	2.60	2.64	2.62	2.47	2.60	2.24	2.06
18.....	2.48	5.45	-----	2.60	2.54	2.60	2.72	2.72	2.55	2.48	2.18	2.00
19.....	2.47	2.75	-----	2.61	2.57	2.64	2.65	2.69	2.42	2.48	2.18	2.01
20.....	2.44	2.66	-----	2.61	2.57	2.65	2.66	2.79	2.42	2.54	2.11	2.01
21.....	2.49	2.63	-----	2.62	2.58	2.64	2.72	2.58	2.58	2.54	2.16	1.98
22.....	3.33	2.56	-----	2.60	2.59	2.64	2.62	2.52	2.52	2.42	2.15	1.93
23.....	2.58	2.53	-----	2.59	2.53	2.64	2.58	2.56	2.64	2.42	2.15	1.98
24.....	2.45	2.64	-----	2.60	2.50	2.59	2.62	2.55	2.66	2.42	2.09	1.96
25.....	2.39	2.57	-----	2.60	2.49	2.69	2.67	2.47	2.56	2.42	2.12	1.92
26.....	2.41	2.66	-----	2.60	2.51	2.70	-----	2.49	2.48	2.42	2.06	1.96
27.....	2.46	2.65	-----	2.60	2.53	2.70	2.68	2.48	2.41	2.39	2.11	1.90
28.....	2.45	2.68	-----	2.61	2.51	2.66	2.68	2.52	2.56	2.35	2.07	1.90
29.....	2.49	2.65	-----	2.60	-----	2.65	2.72	2.43	2.39	2.42	2.07	1.90
30.....	2.43	2.75	-----	2.60	-----	2.69	2.71	2.45	2.41	2.35	2.21	1.90
31.....	2.43	-----	-----	2.59	-----	2.73	-----	2.47	-----	2.29	2.19	-----

Monthly discharge, in second-feet, of Warm Spring at Warm Springs, Va., 1928-1930

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
1928				1929-30			
June 18-30.....	3.19	3.01	3.10	October.....	3.33	2.39	2.53
July 1-15.....	3.56	3.12	3.26	November.....	5.45	2.41	2.73
1928-29				December 1-16.....	2.68	2.52	2.60
November 12-30.....	2.90	2.60	2.71	January 14-31.....	2.63	2.59	2.60
December.....	2.98	2.58	2.74	February.....	2.88	2.49	2.58
January 1-17.....	2.72	2.57	2.66	March.....	3.53	2.50	2.72
February 15-28.....	3.90	2.62	2.84	April.....	2.78	2.58	2.68
March 1-21.....	3.47	2.80	2.94	May.....	2.82	2.43	2.64
April.....	3.44	2.88	3.11	June.....	2.66	2.39	2.50
May.....	3.09	2.91	3.01	July.....	2.60	2.29	2.42
June.....	3.54	2.98	3.20	August.....	2.29	2.06	2.20
July.....	3.32	2.87	3.06	September.....	2.09	1.90	2.01
August.....	3.19	2.78	2.94				
September.....	3.01	2.58	2.73				

DUNLAP CREEK NEAR COVINGTON, VA.

LOCATION.—Chain gage at highway bridge 3 miles west of Covington, Alleghany County.

DRAINAGE AREA.—166 square miles.

RECORDS AVAILABLE.—December, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, about 4,890 second-feet Nov. 18 (gage height, 9.46 feet); minimum, 12 second-feet Aug. 10 (gage height, 0.88 foot).

1928-1930: Maximum discharge, that of Nov. 18, 1929; minimum, that of Aug. 10, 1930.

REMARKS.—Records good. Discharge estimated Dec. 23-27 because of ice.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	40	186	127	256	125	78	59	51	30	18	15	14
2.....	1,480	147	112	227	89	86	59	51	28	15	16	14
3.....	428	354	92	213	134	78	69	49	27	17	14	14
4.....	186	610	91	172	1,550	78	76	49	26	16	13	14
5.....	110	320	84	140	1,480	71	68	48	26	16	13	14
6.....	83	213	96	125	715	74	213	48	28	16	14	14
7.....	71	162	106	123	449	199	660	51	29	16	15	15
8.....	60	134	98	116	337	880	390	48	30	15	16	15
9.....	57	112	103	106	256	428	287	46	44	15	15	15
10.....	52	98	96	103	213	287	213	43	52	15	13	15
11.....	49	96	91	91	172	256	186	43	40	15	13	15
12.....	43	89	98	83	152	227	150	43	35	15	13	15
13.....	42	83	98	80	143	172	132	43	33	15	13	16
14.....	42	99	99	83	136	157	121	43	30	17	13	15
15.....	41	83	91	86	119	138	112	43	28	16	20	15
16.....	42	86	86	82	96	129	101	42	27	15	17	15
17.....	41	110	80	76	99	123	92	40	26	16	16	15
18.....	41	3,590	88	71	92	125	88	41	27	16	16	15
19.....	40	1,000	121	69	89	129	84	58	25	15	16	15
20.....	39	470	186	83	83	117	76	61	24	15	16	15
21.....	41	304	143	69	80	106	76	50	23	14	16	15
22.....	2,000	227	123	74	74	103	77	45	22	15	16	15
23.....	610	186	100	80	80	96	73	42	21	16	18	15
24.....	287	157	90	69	83	91	66	40	21	17	16	15
25.....	186	143	80	88	86	96	65	38	19	16	16	15
26.....	132	123	80	86	92	92	61	36	19	15	15	15
27.....	103	129	90	80	89	83	58	34	20	18	18	15
28.....	89	143	449	80	83	73	56	34	19	17	16	15
29.....	86	136	825	83	-----	69	53	32	18	15	15	14
30.....	88	116	470	82	-----	66	52	32	18	15	15	15
31.....	154	-----	337	86	-----	66	-----	30	-----	15	14	-----
Month	Maximum				Minimum			Mean		Per square mile		Run-off in inches
October.....	2,000				39			218		1.31		1.51
November.....	3,590				83			324		1.95		2.18
December.....	825				80			156		.94C		1.08
January.....	256				69			105		.633		.73
February.....	1,550				74			257		1.55		1.61
March.....	880				66			154		.92E		1.07
April.....	660				52			129		.777		.87
May.....	61				30			43.7		.263		.30
June.....	52				18			27.2		.164		.18
July.....	18				14			15.7		.095		.11
August.....	20				13			15.4		.093		.11
September.....	16				14			14.8		.086		.10
The year.....	3,590				13			120		.723		9.85

POTTS CREEK NEAR COVINGTON, VA.

LOCATION.—Chain gage at highway bridge one-fourth mile above Hays Creek and 3 miles southwest of Covington, Alleghany County.

DRAINAGE AREA.—158 square miles.

RECORDS AVAILABLE.—December, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 3,480 second-feet Nov. 18 (gage height, 6.27 feet); minimum, 20 second-feet July 20, 21, 28, 29, Aug. 5, 13, 31, Sept. 7, 26 (gage height, 1.36 feet).

1928-1930: Maximum discharge, that of Nov. 18, 1929; minimum, that of July 20, 21, 28, 29, Aug. 5, 13, 31, Sept. 7, 26, 1930.

REMARKS.—Records good. Discharge estimated Dec. 22-26, Jan. 20 because of ice.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	55	247	125	308	78	78	82	67	36	24	21	21
2.....	2,060	210	152	274	88	80	82	62	35	26	22	22
3.....	920	226	145	241	132	80	86	60	31	25	22	22
4.....	385	354	132	181	630	74	112	60	30	25	22	21
5.....	190	308	117	164	1,070	76	106	58	30	26	21	21
6.....	129	241	132	145	595	92	164	60	35	25	21	22
7.....	92	204	119	138	495	462	770	62	52	24	29	21
8.....	86	168	125	129	392	1,150	495	56	40	24	24	22
9.....	74	152	119	129	297	630	366	52	48	24	23	21
10.....	67	117	112	122	247	430	297	50	62	22	21	22
11.....	60	117	109	114	204	360	231	48	47	24	21	21
12.....	58	106	119	104	164	325	195	47	40	22	20	22
13.....	53	99	117	96	159	263	168	48	36	21	20	22
14.....	53	99	112	99	152	210	152	52	34	22	21	23
15.....	48	99	106	96	138	190	142	52	32	22	22	23
16.....	44	94	99	92	112	168	129	50	32	22	23	23
17.....	38	104	96	84	122	155	114	48	35	22	23	23
18.....	41	3,300	96	62	112	148	112	50	34	23	22	23
19.....	44	1,230	109	63	106	152	106	71	32	21	23	23
20.....	41	700	204	70	101	145	94	72	31	20	23	23
21.....	58	495	155	96	96	135	92	56	28	20	21	21
22.....	2,850	379	140	101	92	129	92	48	28	21	23	21
23.....	1,390	320	130	80	96	114	86	44	28	22	21	22
24.....	665	258	120	63	96	112	82	42	28	22	21	21
25.....	411	215	110	65	94	117	78	42	27	22	21	21
26.....	280	195	120	62	92	119	76	41	27	21	22	21
27.....	204	181	145	78	86	106	72	40	28	22	23	22
28.....	164	177	392	80	82	96	72	40	28	20	21	21
29.....	145	155	560	84	-----	90	65	40	24	20	22	21
30.....	159	122	462	71	-----	88	69	40	26	22	21	22
31.....	252	-----	379	80	-----	88	-----	38	-----	21	20	-----
Month	Maximum			Minimum			Mean		Per square mile		Run-off in inches	
October.....	2,850			38			359		2.27		2.62	
November.....	3,300			94			356		2.25		2.51	
December.....	560			96			166		1.05		1.21	
January.....	308			62			115		.728		.84	
February.....	1,070			78			219		1.39		1.45	
March.....	1,150			74			208		1.32		1.52	
April.....	770			65			160		1.01		1.13	
May.....	72			38			51.5		.326		.38	
June.....	62			24			34.1		.216		.24	
July.....	26			20			22.5		.142		.16	
August.....	29			20			21.9		.139		.16	
September.....	23			21			21.8		.138		.15	
The year.....	3,300			20			144		.911		12.37	

COWPASTURE RIVER NEAR CLIFTON FORGE, VA.

LOCATION.—Chain gage at iron highway bridge $1\frac{1}{2}$ miles above junction with Jackson River and 4 miles southeast of Clifton Forge, Alleghany County.

DRAINAGE AREA.—456 square miles.

RECORDS AVAILABLE.—May, 1907, to August, 1908; March, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 6,850 second-feet Nov. 18 (gage height, 9.88 feet); minimum, 51 second-feet Aug. 24 (gage height, 1.80 feet).
1907-8, 1925-1930: Maximum discharge, 6,960 second-feet Dec. 26, 1926 (gage height, 10.0 feet); minimum, 50 second-feet Aug. 14, 1926 (gage height, 1.82 feet).

Flood of March, 1913, reached a stage of 20.8 feet present datum.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	92	301	320	857	265	265	301	193	92	89	52	53
2.....	1,830	283	320	760	301	265	283	184	87	85	82	55
3.....	1,920	1,830	301	638	360	248	265	163	83	83	62	60
4.....	638	1,740	301	476	1,260	231	265	161	80	81	61	59
5.....	476	1,030	301	476	2,980	231	283	155	76	77	60	55
6.....	452	698	283	404	1,580	248	301	152	98	72	65	53
7.....	404	502	265	360	1,180	638	638	147	147	72	92	63
8.....	360	404	265	360	960	3,380	857	141	121	72	80	68
9.....	231	360	339	339	760	1,420	729	136	147	72	76	68
10.....	134	360	339	320	668	1,030	610	136	184	66	73	68
11.....	128	339	320	301	528	890	502	149	215	66	68	65
12.....	124	301	339	265	427	698	452	158	199	66	65	65
13.....	118	301	360	265	427	610	381	163	166	66	62	65
14.....	112	283	381	248	381	528	404	169	147	66	65	65
15.....	109	265	381	231	339	427	381	161	126	65	72	65
16.....	105	248	339	248	360	381	339	144	121	65	72	62
17.....	101	248	320	265	301	360	283	136	114	65	70	65
18.....	94	6,300	320	231	283	320	283	128	103	55	70	66
19.....	90	3,680	360	199	265	339	265	193	98	56	69	65
20.....	87	1,580	729	193	265	427	248	184	92	56	68	62
21.....	83	1,030	668	231	265	452	248	166	89	56	66	62
22.....	2,190	760	1,180	265	265	452	231	149	89	56	65	61
23.....	2,480	729	890	320	231	381	215	138	85	56	62	60
24.....	890	610	248	339	231	339	215	136	81	54	56	59
25.....	502	452	301	301	215	339	199	134	80	54	60	58
26.....	476	404	381	301	231	320	196	128	78	54	60	56
27.....	452	381	427	301	231	320	190	124	89	54	58	55
28.....	452	360	698	283	265	339	190	116	89	54	58	55
29.....	231	360	1,260	283	-----	339	199	109	89	54	55	53
30.....	231	339	857	265	-----	320	215	105	89	53	55	53
31.....	301	-----	824	248	-----	301	-----	98	-----	52	54	-----
Month	Maximum			Minimum			Mean			Per square mile	Run-off in inches	
October.....	2,480			83			513			1.12	1.29	
November.....	6,300			248			883			1.94	2.16	
December.....	1,260			248			472			1.04	1.20	
January.....	857			193			341			.748	.86	
February.....	2,980			215			565			1.24	1.29	
March.....	3,380			231			543			1.16	1.37	
April.....	857			190			339			.743	.83	
May.....	193			98			147			.352	.37	
June.....	215			76			112			.246	.27	
July.....	89			52			64.9			.142	.16	
August.....	92			52			64.9			.142	.16	
September.....	68			53			60.6			.133	.15	
The year.....	6,300			52			340			.746	10.11	

CRAIG CREEK AT PARR, VA.

LOCATION.—Chain gage at Chesapeake & Ohio Railway bridge 600 feet from Parr, Botetourt County, and 12 miles above mouth.

DRAINAGE AREA.—331 square miles.

RECORDS AVAILABLE.—April, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,690 second-feet Oct. 22 (gage height, 10.60 feet); minimum, 32 second-feet Aug. 13, 14, 2^o (gage height, 3.43 feet).

1925-1930: Maximum discharge, 16,900 second-feet Aug. 17, 1928 (gage height, 15.60 feet); minimum, that of Aug. 13, 14, 28, 1930.

REMARKS.—Records good. Discharge estimated Jan. 20, 26, 31.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	616	260	616	213	154	148	121	70	43	37	34
2	2,060	557	296	528	225	148	143	121	58	42	36	34
3	3,150	677	319	500	344	151	148	117	55	41	35	34
4	771	1,200	319	446	900	143	168	112	55	40	35	34
5	446	1,040	344	368	3,020	146	182	103	53	39	34	33
6	319	708	319	344	1,470	140	213	103	54	39	34	33
7	247	557	296	319	970	319	1,200	103	60	39	37	33
8	201	472	287	314	771	1,290	835	101	65	39	42	35
9	161	394	264	296	616	503	646	95	81	38	37	37
10	137	319	238	273	528	586	500	92	172	37	37	36
11	119	301	229	247	472	500	419	88	154	36	37	37
12	110	273	238	225	394	472	368	84	95	36	34	38
13	103	247	229	221	368	394	278	90	84	36	32	39
14	99	255	221	221	344	344	446	88	78	36	33	40
15	95	247	217	217	319	314	282	84	71	37	38	38
16	92	251	213	205	278	291	255	84	65	37	39	38
17	88	616	213	193	247	282	233	82	63	38	40	42
18	84	4,970	205	182	229	273	221	97	68	39	39	39
19	81	3,020	247	178	221	282	213	117	68	39	37	39
20	78	1,470	419	175	213	287	201	129	64	37	37	41
21	105	900	419	175	201	255	186	117	58	36	37	40
22	5,140	708	368	182	189	242	175	99	54	36	36	39
23	4,020	616	368	189	182	225	168	92	51	36	36	37
24	1,290	528	368	175	189	209	154	84	49	35	36	36
25	771	472	344	172	193	213	148	78	46	35	36	36
26	586	419	301	180	186	213	143	74	45	36	37	36
27	446	419	319	221	172	201	137	71	45	36	43	34
28	368	394	803	189	161	175	132	70	46	36	37	33
29	368	368	1,470	189	-----	164	126	65	45	37	36	34
30	394	319	970	182	-----	161	126	64	44	39	39	33
31	557	-----	771	200	-----	154	-----	63	-----	36	-----	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,140	67	728	2.20	2.54
November	4,970	247	778	2.35	2.62
December	1,470	205	383	1.16	1.34
January	616	172	262	.792	.91
February	3,020	161	486	1.47	1.53
March	1,290	140	307	.927	1.07
April	1,200	126	286	.864	.96
May	129	63	93.2	.282	.33
June	172	44	67.2	.203	.23
July	43	35	37.6	.114	.13
August	43	32	36.7	.111	.13
September	42	33	36.4	.110	.12
The year	5,140	32	290	.876	11.91

MEADOW CREEK AT NEWCASTLE, VA.

LOCATION.—Water-stage recorder 500 feet above Newcastle-Salem highway bridge and just outside city limits of Newcastle, Craig County.

DRAINAGE AREA.—13.8 square miles.

RECORDS AVAILABLE.—September, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period, 242 second-feet Oct. 2 (gage height, 3.64 feet); minimum, 0.8 second-foot Sept. 4, 1930 (gage height, 0.91 foot).

REMARKS.—Records good. Discharge estimated July 6–11.

Daily and monthly discharge, in second-feet, 1929–30

Day	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....		26	24	17.2	28	11.5	11.5	8.8	7.8	5.5	5.2	1.7	1.5
2.....		198	23	22	26	12.4	12.0	8.8	7.8	4.9	4.6	1.7	1.5
3.....		108	34	20	26	18.8	10.8	10.4	7.5	4.6	4.6	1.7	1.7
4.....		44	59	17.2	23	65	10.4	9.8	7.2	4.4	4.6	1.5	1.3
5.....		31	46	16.6	22	88	10.4	9.4	6.9	4.4	4.9	1.5	1.9
6.....		24	37	16.6	21	60	10.4	19.4	7.2	4.6	4.6	1.7	2.2
7.....		21	31	16.6	20	45	22	28	7.2	6.1	4.2	2.0	2.4
8.....		18.2	27	16.6	19.4	39	33	24	6.9	5.8	3.8	2.9	2.2
9.....		15.1	24	15.1	18.2	33	25	19.9	6.4	6.9	3.4	2.2	2.0
10.....		13.7	21	14.2	17.7	30	22	18.2	6.6	6.9	3.0	1.9	2.0
11.....		12.9	19.9	13.7	17.2	26	21	17.2	6.4	5.5	2.7	1.9	2.0
12.....		12.0	18.2	13.7	16	25	19.4	15.5	6.6	5.2	2.4	1.9	1.9
13.....		11.1	17.7	13.7	15.1	23	17.2	15.1	6.6	5.5	2.4	1.9	3.2
14.....		10.8	16.0	13.7	14.6	21	16.0	13.7	6.9	5.8	2.9	2.2	3.2
15.....		10.4	16.6	13.3	13.7	19.4	15.1	13.3	6.4	5.5	2.9	2.6	2.2
16.....		9.8	15.5	12.9	13.3	16.6	14.2	12.4	6.4	5.2	2.9	2.2	2.4
17.....		9.4	29	12.4	12.9	15.1	13.7	11.1	6.4	6.1	2.9	2.0	3.2
18.....		9.4	126	13.7	12.9	15.1	14.2	11.1	7.2	6.4	3.2	2.2	2.0
19.....	4.4	9.1	88	19.4	12.4	14.6	14.6	11.1	8.8	5.8	2.6	2.0	2.2
20.....	4.4	8.8	55	20	11.1	13.7	12.9	10.8	6.6	5.8	2.4	1.9	2.4
21.....	4.4	22	43	17.7	12.0	13.3	12.9	10.4	6.1	5.8	2.4	1.9	2.4
22.....	4.2	142	36	17.7	12.4	12.0	12.4	10.1	5.8	5.2	2.4	2.2	2.4
23.....	3.9	124	33	17.7	12.0	13.3	11.1	9.4	5.8	4.9	2.4	2.2	2.0
24.....	3.6	58	30	16.6	11.5	14.2	11.1	9.4	6.1	4.9	2.4	1.9	1.9
25.....	3.6	40	26	15.1	12.0	13.3	11.1	9.1	6.4	4.9	2.4	1.9	1.9
26.....	3.6	32	25	14.6	11.1	12.9	11.1	9.8	5.8	5.5	2.2	1.9	1.9
27.....	3.2	27	24	17.7	11.1	11.5	10.1	8.5	5.8	5.5	2.4	1.9	1.9
28.....	3.2	23	23	37	12.4	11.1	10.1	8.5	5.5	5.5	2.2	1.7	1.7
29.....	3.2	23	22	46	11.5	-----	10.1	8.5	5.8	5.2	2.2	1.7	1.5
30.....	6.8	23	18.8	38	11.5	-----	9.4	7.8	6.1	5.2	1.7	1.7	1.5
31.....		24	-----	32	11.5	-----	9.4	-----	6.1	-----	1.7	-----	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1929					
September 19–30.....	6.8	3.2	4.04	0.293	0.13
1929–30					
October.....	198	8.8	36.8	2.67	3.08
November.....	126	15.5	33.6	2.43	2.71
December.....	46	12.4	19.0	1.38	1.59
January.....	28	11.1	15.8	1.14	1.31
February.....	88	11.1	24.8	1.80	1.87
March.....	33	9.4	14.3	1.04	1.20
April.....	28	7.8	12.6	.913	1.02
May.....	8.8	5.5	6.62	.480	.55
June.....	6.9	4.4	5.45	.395	.44
July.....	5.2	1.7	3.05	.221	.25
August.....	2.9	1.5	1.95	.141	.16
September.....	3.2	1.3	2.08	.151	.17
The year.....	198	1.3	14.6	1.06	14.35

JOHNS CREEK AT NEWCASTLE, VA.

LOCATION.—Chain gage at highway bridge 500 feet east of town limits of Newcastle, Craig County, and one-fourth mile above mouth.

DRAINAGE AREA.—106 square miles.

RECORDS AVAILABLE.—April, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 3,240 second-feet Nov. 18 (gage height, 8.90 feet); minimum, 7 second-feet Aug. 11, Sept. 3, 6, 7 (gage height, 2.26 feet).

1926-1930: Maximum discharge, 3,500 second-feet Aug. 16, 1928 (gage height, 9.10 feet); minimum, that of Aug. 11, Sept. 3, 6, 7, 1930.

REMARKS.—Records good. Discharge estimated Dec. 22-25 because of ice.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	73	225	118	183	89	59	59	43	2'	10	9	8
2.....	2,610	191	152	167	68	59	59	41	19	10	8	8
3.....	2,150	252	160	152	106	59	68	39	19	10	8	7
4.....	208	561	145	138	421	55	89	39	17	9	8	8
5.....	132	337	106	118	690	59	73	37	17	9	8	8
6.....	94	208	106	106	363	59	234	37	19	9	8	7
7.....	78	191	106	106	271	252	561	37	2'	9	8	7
8.....	59	167	100	100	225	487	271	34	2'	8	9	9
9.....	51	132	94	100	183	271	183	31	5'	8	12	9
10.....	48	112	89	89	167	216	152	31	5'	8	10	9
11.....	41	106	89	78	152	199	152	30	4'	8	7	10
12.....	37	112	84	78	112	175	138	29	3'	9	8	10
13.....	36	94	78	73	118	160	125	32	2'	8	8	9
14.....	34	100	73	78	112	138	112	31	2'	9	14	9
15.....	30	94	73	78	89	125	106	32	2'	10	12	9
16.....	28	100	73	68	78	125	94	30	1'	9	10	10
17.....	27	106	68	64	89	112	84	28	17	10	9	13
18.....	26	2,610	78	64	78	118	78	35	20	10	9	12
19.....	26	735	167	68	73	138	84	55	17	10	10	11
20.....	25	363	167	68	73	125	73	55	15	9	10	11
21.....	34	291	125	73	68	106	68	42	15	9	9	10
22.....	1,940	234	115	73	68	106	68	35	14	8	9	10
23.....	2,040	225	110	73	64	100	59	32	13	8	10	9
24.....	1,230	167	110	73	68	94	55	30	11	8	10	9
25.....	234	152	105	68	68	89	51	29	17	8	10	9
26.....	175	152	106	68	68	94	51	27	9	8	9	9
27.....	145	138	191	73	64	84	48	25	17	8	10	8
28.....	118	125	363	78	46	73	45	24	11	9	11	8
29.....	125	112	337	68	-----	68	45	23	11	10	10	8
30.....	167	106	252	73	-----	68	49	22	17	9	9	8
31.....	252	-----	216	84	-----	68	-----	22	-----	9	9	-----
Month				Maximum	Minimum	Mean	Per square mile	Run-off in inches				
October.....				2,610	25	396	3.74	4.31				
November.....				2,610	94	283	2.67	2.98				
December.....				363	68	134	1.26	1.45				
January.....				183	64	89.7	.846	.98				
February.....				690	46	145	1.37	1.43				
March.....				487	55	127	1.20	1.38				
April.....				561	45	111	1.05	1.17				
May.....				55	22	33.5	.316	.36				
June.....				51	9	20.3	.192	.21				
July.....				10	8	8.9	.084	.10				
August.....				14	7	9.4	.089	.10				
September.....				13	7	9.1	.086	.10				
The year.....				2,610	7	114	1.08	14.57				

JAMES RIVER BASIN

27

CATAWBA CREEK NEAR FINCASTLE, VA.

LOCATION.—Chain gage at highway bridge at Kyles Mills, 4 miles northeast of Fincastle, Botetourt County.

DRAINAGE AREA.—104 square miles.

RECORDS AVAILABLE.—December, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, about 2,100 second-feet Oct. 2 (gage height, 12.60 feet); minimum, 3 second-feet Aug. 13, Sept. 28, 29 (gage height, 1.90 feet).

1928-1930: Maximum discharge, that of Oct. 2, 1929; minimum, that of Aug. 13, Sept. 28, 29, 1930.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	29	134	86	166	86	53	40	32	10	16	9	7
2.....	2,020	122	134	153	54	53	40	30	16	18	8	8
3.....	328	122	104	160	218	48	45	28	13	15	8	6
4.....	179	286	80	128	642	51	43	28	13	12	8	6
5.....	134	218	80	116	490	47	40	24	15	12	8	6
6.....	122	160	80	110	300	47	92	27	18	13	8	7
7.....	98	134	80	104	231	140	140	26	24	11	10	6
8.....	86	122	80	92	179	179	98	27	20	9	11	6
9.....	80	110	74	98	179	122	86	26	22	8	10	10
10.....	74	104	69	92	140	92	74	26	50	8	8	9
11.....	69	92	69	92	122	92	67	24	27	8	8	8
12.....	68	86	74	80	110	80	62	23	28	8	7	8
13.....	65	86	69	80	98	74	58	23	18	9	5	15
14.....	62	92	68	80	98	66	48	23	16	9	8	9
15.....	59	98	65	80	92	59	48	23	13	10	12	7
16.....	57	92	60	74	86	56	49	17	13	8	10	8
17.....	55	86	62	69	80	58	41	18	15	9	9	8
18.....	56	876	69	74	74	59	47	38	35	9	9	8
19.....	54	342	244	58	74	57	50	31	19	9	8	8
20.....	54	258	116	74	74	54	44	24	15	9	8	8
21.....	53	218	92	67	69	51	42	18	10	8	8	7
22.....	1,650	166	92	86	65	49	42	21	12	8	7	6
23.....	372	140	92	74	65	48	39	15	13	7	8	7
24.....	218	128	80	65	65	47	39	18	13	8	8	7
25.....	166	116	86	54	64	48	36	7	12	9	8	7
26.....	134	110	74	74	58	47	34	12	12	8	8	6
27.....	122	104	80	64	58	43	34	16	16	8	8	7
28.....	104	98	300	67	54	41	33	12	13	8	8	3
29.....	104	98	314	64	-----	41	33	13	11	12	8	5
30.....	128	74	244	40	-----	40	37	14	12	10	8	6
31.....	146	-----	205	92	-----	40	-----	13	-----	8	8	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	2,020	29	224	2.15	2.48
November.....	876	74	162	1.56	1.74
December.....	314	60	110	1.06	1.22
January.....	166	40	88.0	.846	.98
February.....	642	54	140	1.35	1.41
March.....	179	40	63.9	.614	.71
April.....	140	33	52.7	.507	.57
May.....	38	7	21.8	.210	.24
June.....	50	10	17.5	.168	.19
July.....	18	7	9.8	.094	.11
August.....	12	5	8.4	.081	.09
September.....	15	3	7.3	.070	.08
The year.....	2,020	3	75.2	.723	9.82

NORTH RIVER AT GOSHEN, VA.

LOCATION.—Chain gage at highway bridge just outside of Goshen, Rockbridge County, and 500 feet below junction of Mill Creek and Calpasture River.

DRAINAGE AREA.—190 square miles.

RECORDS AVAILABLE.—March, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 5,740 second-feet Nov. 18 (gage height, 8.30 feet); minimum, 8 second-feet Sept. 4, 5, 28–30 (gage height, 1.76 feet).

1925–1930: Maximum discharge, 7,310 second-feet Nov. 16, 1926 (gage height, 9.70 feet); minimum, 8 second-feet July 22, 1926, Sept. 4, 5, 28–30, 1930.

REMARKS.—Records good. Discharge estimated Jan. 25, 26 because of ice.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	28	114	150	285	155	128	114	61	28	17	13	10
2.....	1, 140	142	150	265	118	118	110	59	25	18	13	10
3.....	435	408	159	235	167	114	114	57	23	17	11	10
4.....	167	790	167	207	670	101	121	55	23	17	12	8
5.....	121	580	150	171	1, 540	93	104	57	23	16	15	8
6.....	96	355	128	159	920	93	121	57	33	15	21	11
7.....	79	250	142	155	610	700	250	59	31	16	17	24
8.....	70	216	155	146	462	1, 900	290	53	29	14	14	15
9.....	64	171	150	135	355	1, 060	260	52	39	14	18	14
10.....	59	138	146	124	295	670	216	50	52	14	13	13
11.....	53	135	142	110	240	490	193	48	61	13	12	13
12.....	52	121	159	107	207	380	171	68	68	13	11	12
13.....	52	114	150	104	198	290	150	70	55	13	11	13
14.....	43	107	159	104	184	240	142	61	46	13	12	13
15.....	36	107	159	114	155	216	138	57	39	13	16	11
16.....	36	107	159	104	114	189	132	53	38	13	14	13
17.....	36	107	150	96	121	180	114	52	43	14	13	11
18.....	36	5, 350	167	96	124	176	104	50	33	13	14	10
19.....	39	1, 300	193	96	128	193	101	66	36	13	13	11
20.....	38	670	280	101	118	167	93	59	33	12	13	11
21.....	36	380	270	99	110	128	93	52	31	12	13	10
22.....	1, 220	320	230	104	107	142	96	44	26	13	12	10
23.....	920	270	212	135	107	135	87	43	25	11	13	10
24.....	462	230	207	128	121	124	82	39	23	11	13	10
25.....	295	198	180	130	128	124	75	39	21	13	14	10
26.....	212	176	150	110	135	159	72	35	22	11	14	10
27.....	159	167	142	159	135	135	70	33	21	13	13	10
28.....	135	155	330	124	128	124	68	33	23	12	11	8
29.....	121	142	700	135	-----	124	66	32	22	15	10	8
30.....	118	150	490	104	-----	121	61	31	20	15	10	8
31.....	121	-----	380	155	-----	121	-----	28	-----	13	10	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	1, 220	28	209	1. 10	1. 27
November.....	5, 350	107	449	2. 36	2. 63
December.....	700	128	210	1. 11	1. 28
January.....	285	96	139	. 732	. 84
February.....	1, 540	107	280	1. 47	1. 53
March.....	1, 900	93	288	1. 52	1. 75
April.....	290	61	127	. 668	. 75
May.....	70	28	50. 1	. 264	. 30
June.....	68	20	33. 1	. 174	. 19
July.....	18	11	13. 8	. 073	. 08
August.....	21	10	13. 2	. 069	. 08
September.....	24	8	11. 2	. 059	. 07
The year.....	5, 350	8	151	. 795	10. 77

NORTH RIVER AT ROCKBRIDGE BATHS, VA.

LOCATION.—Water-stage recorder 700 feet above highway bridge at Rockbridge Baths, Rockbridge County, and 1½ miles above Walker Creek.

DRAINAGE AREA.—329 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 6,180 second-feet Nov. 18 (gage height, 8.58 feet); minimum, 10 second-feet Sept. 30 (gage height, 0.87 foot).

1928-1930: Maximum discharge, that of Nov. 18, 1929; minimum, that of Sept. 30, 1930.

REMARKS.—Records excellent. Discharge estimated Oct. 1-6, Apr. 1-6, May 19-25.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	100	161	181	484	203	176	175	110	45	26	17	15
2.....	1,400	155	209	400	196	170	170	107	42	25	17	14
3.....	1,200	319	266	358	323	155	180	102	41	24	16	15
4.....	400	902	219	308	1,490	150	190	95	39	24	15	13
5.....	230	622	206	262	2,660	141	185	93	36	24	19	12
6.....	170	410	209	236	1,480	141	180	90	42	23	29	16
7.....	110	308	212	233	1,000	1,740	425	93	73	23	29	28
8.....	93	247	233	222	770	3,500	441	85	53	22	24	24
9.....	79	206	233	206	581	1,640	395	81	69	21	25	20
10.....	71	176	219	193	490	1,040	345	79	123	20	23	19
11.....	69	164	216	176	400	804	308	75	112	20	18	19
12.....	63	153	226	164	340	652	277	90	102	19	16	18
13.....	60	141	229	158	320	506	254	107	83	19	16	19
14.....	57	139	226	168	308	410	236	90	71	20	16	22
15.....	53	133	229	170	266	358	226	90	61	20	22	18
16.....	52	123	222	161	219	328	206	85	55	20	23	16
17.....	47	128	212	144	209	304	190	77	60	19	20	18
18.....	47	4,700	216	144	203	292	181	83	75	20	20	16
19.....	47	2,600	296	115	200	308	176	125	60	19	19	15
20.....	47	1,190	380	133	190	266	161	115	50	18	17	15
21.....	47	749	358	150	178	240	155	90	45	16	16	15
22.....	1,350	534	332	176	170	219	173	70	41	16	16	15
23.....	1,880	435	320	219	170	206	153	60	37	17	17	14
24.....	634	367	285	203	178	196	139	55	34	18	18	15
25.....	371	324	247	203	184	200	130	55	32	19	16	13
26.....	262	285	229	187	190	229	128	55	30	18	17	13
27.....	203	273	222	209	190	206	120	55	31	17	24	11
28.....	167	254	600	193	181	184	117	53	31	17	21	12
29.....	153	233	1,080	200	-----	181	112	50	30	18	18	12
30.....	147	184	811	161	-----	181	107	50	28	25	16	11
31.....	164	-----	616	181	-----	181	-----	47	-----	19	16	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	1,880	47	315	0.957	1.10
November.....	4,700	123	554	1.68	1.87
December.....	1,080	181	314	.954	1.10
January.....	484	115	210	.638	.74
February.....	2,660	170	475	1.44	1.50
March.....	3,500	141	494	1.50	1.73
April.....	441	107	208	.632	.71
May.....	125	47	81.0	.246	.28
June.....	123	28	54.4	.165	.18
July.....	26	16	20.2	.061	.07
August.....	29	15	19.2	.058	.07
September.....	28	11	16.1	.049	.05
The year.....	4,700	11	228	.693	9.40

NORTH RIVER NEAR LEXINGTON, VA.

LOCATION.—Water-stage recorder 300 yards above Lime Kilr highway bridge and 2½ miles above Lexington, Rockbridge County.

DRAINAGE AREA.—487 square miles.

RECORDS AVAILABLE.—August, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year (estimated), 7,500 second-feet Nov. 18; minimum, 34 second-feet Sept. 6 (gage height, 1.88 feet).

1925-1930: Maximum discharge, 10,000 second-feet Apr. 16, 1929 (gage height, 11.95 feet); minimum, that of Sept. 6, 1930.

REMARKS.—Records good except those for estimated periods Nov. 15 to Dec. 8, Jan. 20 to Feb. 17, which are fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	122	208	265	669	270	252	248	168	86	48	60	42
2.....	1,830	198	310	560	265	248	239	163	80	60	52	43
3.....	1,520	277	360	508	450	232	245	158	78	96	50	43
4.....	522	970	300	430	2,200	223	272	151	75	63	44	40
5.....	286	760	285	361	3,900	214	248	146	72	58	43	37
6.....	205	521	290	321	2,100	211	245	141	78	66	57	36
7.....	168	397	295	309	1,500	2,030	463	139	127	65	62	41
8.....	146	316	310	302	1,100	4,830	523	136	104	75	58	51
9.....	126	263	321	280	860	2,260	483	132	136	94	57	50
10.....	122	222	302	262	720	1,430	415	127	178	96	54	50
11.....	114	205	294	239	590	1,060	370	129	158	94	50	50
12.....	110	198	302	226	500	880	336	122	157	88	44	51
13.....	106	186	309	217	475	702	317	156	139	84	42	54
14.....	100	182	309	217	460	586	313	144	122	94	42	54
15.....	97	175	309	223	400	508	283	146	115	88	48	62
16.....	93	170	309	220	350	468	276	144	92	92	52	56
17.....	90	180	298	202	330	449	265	136	107	90	51	56
18.....	88	7,500	290	199	317	425	232	151	124	82	48	50
19.....	88	3,800	576	165	309	444	217	188	94	86	47	46
20.....	88	1,800	620	200	294	388	208	173	102	84	47	44
21.....	86	1,100	554	230	280	340	202	141	94	77	44	43
22.....	646	800	503	270	265	317	223	129	88	72	43	43
23.....	2,070	660	488	320	258	302	208	120	78	68	44	42
24.....	838	540	430	300	269	290	191	111	60	63	47	41
25.....	480	470	357	300	272	290	186	107	68	54	47	41
26.....	334	420	349	280	272	321	183	102	88	50	47	40
27.....	259	390	345	310	272	309	175	98	82	48	56	41
28.....	212	360	849	275	262	272	168	96	52	47	57	40
29.....	192	340	1,430	275	-----	265	168	94	56	47	48	38
30.....	186	270	1,100	220	-----	262	168	92	57	48	46	38
31.....	208	-----	850	280	-----	255	-----	90	-----	54	43	-----
Month	Maximum			Minimum			Mean			Per square mile		Run-off in inches
October.....	2,070			86			372			0.764		0.88
November.....	-----			-----			796			1.63		1.82
December.....	1,430			-----			449			.922		1.06
January.....	669			165			296			.608		.70
February.....	-----			258			698			1.43		1.49
March.....	4,830			211			680			1.40		1.61
April.....	523			168			269			.552		.62
May.....	188			90			133			.273		.31
June.....	178			52			97.8			.201		.22
July.....	96			47			72.0			.148		.17
August.....	62			42			49.4			.101		.12
September.....	62			36			45.4			.093		.10
The year.....	-----			36			327			.671		9.10

KERRS CREEK NEAR LEXINGTON, VA.

LOCATION.—Chain gage at highway bridge $3\frac{1}{2}$ miles northwest of Lexington, Rockbridge County, and one-fourth mile above mouth.

DRAINAGE AREA.—34 square miles.

RECORDS AVAILABLE.—January, 1927, to September, 1930 (fragmentary).

EXTREMES.—Maximum discharge during year, about 1,420 second-feet Mar. 6 (gage height, 8.15 feet); minimum, 5 second-feet Aug. 20, 23, 24, Sept. 7, 8, 14, 15 (gage height, 3.45 feet).

1927-1930: Maximum discharge, about 1,560 second-feet Aug. 16, 1928 (gage height, 8.50 feet); minimum, that of Aug. 20, 23, 24, Sept. 7, 8, 14, 15, 1930.

REMARKS.—Records fair. Gage not read on days for which no discharge is shown.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Aug.	Sept.
1			24		21	18	18		6
2	370					19	18		6
3	39				66	12	19		6
4	25		21		294	14	21		6
5	22				212		17		6
6					105	506			6
7					76				5
8	15				61				6
9	12	20			47	92	22		6
10					46	62	22		6
11		16			36	48	20		7
12					34				6
13					32	37			8
14				20	28	35			6
15	403	12		21	29	30			6
16			21	20	33	29			7
17				16	26	28			8
18		735	18	20	22	27		6	6
19		110		20	22	26			6
20				21	21	23		6	7
21	403			21	15	24		6	6
22				27		24		7	6
23		36		28		23		6	6
24		34		17	20	23		6	6
25				27	26	23		6	6
26				21	19			8	6
27				22	19	21		8	6
28				21	18	20		7	6
29				22		17		6	6
30			52	23		17		6	6
31				20		18		6	

TYE RIVER AT ROSELAND, VA.

LOCATION.—Chain gage at highway bridge three-fourths mile southwest of Roseland, Nelson County, and three-fourths mile above Hat Creek.

DRAINAGE AREA.—68 square miles.

RECORDS AVAILABLE.—January, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 1,050 second-feet Mar. 7 (gage height, 6.22 feet); minimum, 2 second-feet Sept. 30 (gage height, 2.75 feet). 1927-1930: Maximum discharge, 2,240 second-feet Aug. 16, 1928 (gage height, 8.65 feet); minimum, that of Sept. 30, 1930.

REMARKS.—Records good. Discharge estimated Nov. 30 to Dec. 2, Dec. 22-26, 30, 31, Jan. 19, 20, Feb. 1, because of ice.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	45	88	50	124	70	60	83	112	32	22	7	4
2.....	510	85	70	120	76	58	83	81	30	20	7	3
3.....	200	88	88	132	81	53	88	76	28	18	7	3
4.....	114	98	70	116	200	53	87	69	28	18	6	3
5.....	88	108	74	110	226	56	81	63	26	17	5	3
6.....	76	81	78	104	200	56	108	63	27	17	6	3
7.....	67	81	70	104	176	428	143	61	32	16	8	3
8.....	56	81	78	100	154	1,000	124	56	30	14	8	3
9.....	53	74	67	92	132	489	116	55	30	13	7	3
10.....	50	69	63	85	126	334	112	53	67	12	6	3
11.....	43	69	65	79	116	300	106	49	40	12	5	4
12.....	41	67	70	78	106	240	100	49	31	11	3	4
13.....	40	70	65	78	108	200	88	48	35	11	4	4
14.....	38	70	63	88	108	188	100	70	32	11	4	4
15.....	37	63	61	85	94	165	96	56	28	11	6	4
16.....	35	60	60	78	81	154	92	45	25	10	10	6
17.....	35	60	60	70	78	154	92	43	108	11	6	8
18.....	32	284	70	74	81	143	98	108	106	11	6	9
19.....	32	176	124	65	81	132	92	83	61	10	5	6
20.....	32	154	108	60	76	124	87	60	48	8	5	4
21.....	34	132	92	74	74	116	88	55	42	7	5	4
22.....	724	124	85	100	70	112	100	50	37	6	5	5
23.....	334	116	80	94	67	106	83	48	34	6	5	4
24.....	213	108	75	87	70	104	81	42	31	8	6	4
25.....	154	96	70	81	67	118	81	42	30	8	6	4
26.....	120	92	65	88	63	116	78	41	34	8	5	3
27.....	112	87	92	83	61	98	78	40	30	6	5	3
28.....	100	78	112	81	60	96	74	37	28	6	5	3
29.....	96	63	154	79	-----	92	74	37	24	7	5	3
30.....	100	55	140	63	-----	92	76	42	23	16	4	2
31.....	96	-----	130	67	-----	88	-----	35	-----	9	4	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	724	32	120	1.76	2.03
November.....	284	55	95.9	1.41	1.57
December.....	154	60	82.2	1.21	1.40
January.....	132	60	88.4	1.30	1.50
February.....	226	60	104	1.53	1.59
March.....	1,000	53	178	2.62	3.02
April.....	143	74	93.0	1.37	1.55
May.....	112	35	57.1	.840	.97
June.....	108	23	38.6	.568	.63
July.....	22	6	11.6	.171	.20
August.....	10	3	5.68	.084	.10
September.....	9	2	3.97	.058	.07
The year.....	1,000	2	73.1	1.08	14.61

HARDWARE RIVER NEAR SCOTTSVILLE, VA.

LOCATION.—Chain gage at bridge on Woodridge-Scottsville highway 3 miles north of Scottsville, Albemarle County, and 9 miles above mouth.

DRAINAGE AREA.—104 square miles.

RECORDS AVAILABLE.—May, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 1,300 second-feet Mar. 8 (gage height, 9.50 feet); minimum, 2 second-feet Aug. 10–16, 27, Sept. 25, 26 (gage height, 1.1 feet).

1925–1930: Maximum discharge, 4,690 second-feet Aug. 26, 1928 (gage height, 16.62 feet); minimum, that of Aug. 10–16, 27, Sept. 25, 26, 1930.

REMARKS.—Records fair. Discharge estimated July 4, Sept. 12. Low-water flow regulated by dam and gristmill just above station.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	158	91	49	108	80	66	72	88	39	20	10	32
2.....	684	91	66	102	86	66	72	72	36	46	22	26
3.....	242	96	96	96	102	61	78	62	27	94	12	3
4.....	117	102	80	80	596	59	88	62	28	40	22	5
5.....	99	86	75	75	545	59	78	58	28	26	21	33
6.....	87	80	70	70	260	61	420	58	28	26	21	32
7.....	76	80	70	70	177	66	262	62	38	24	32	10
8.....	67	80	75	70	126	1,300	142	52	36	26	32	24
9.....	61	75	70	70	114	248	112	51	48	30	33	21
10.....	62	75	70	70	102	168	94	49	72	21	2	3
11.....	56	70	66	66	96	155	94	51	40	14	2	33
12.....	56	75	70	61	91	136	88	49	35	10	2	34
13.....	60	70	70	66	102	118	83	49	36	18	2	35
14.....	53	75	75	91	96	112	83	48	32	27	2	12
15.....	52	75	70	120	91	106	83	67	31	10	2	32
16.....	49	70	66	91	80	100	83	58	30	10	2	33
17.....	56	75	66	86	75	100	83	58	28	24	3	39
18.....	43	274	75	70	75	100	94	62	67	21	48	36
19.....	42	144	86	66	70	100	88	83	40	10	6	36
20.....	42	108	70	56	75	88	83	83	35	14	14	36
21.....	43	96	70	91	66	88	78	51	31	27	18	11
22.....	372	91	70	132	66	88	94	48	28	21	32	35
23.....	246	91	70	102	70	88	83	46	26	14	35	33
24.....	158	91	70	96	70	83	72	45	28	10	8	6
25.....	114	86	75	80	66	83	72	118	24	11	33	2
26.....	102	86	75	75	70	83	67	51	26	30	8	2
27.....	96	80	80	75	66	78	72	42	30	14	2	31
28.....	96	75	114	80	61	83	72	42	21	25	23	8
29.....	91	70	190	80	-----	67	72	40	10	2	24	32
30.....	96	66	144	80	-----	78	72	42	5	21	25	21
31.....	102	-----	126	80	-----	78	-----	39	-----	24	10	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	684	42	119	1.14	1.31
November.....	274	66	90.8	.873	.97
December.....	190	49	81.3	.739	.90
January.....	132	56	82.4	.772	.91
February.....	596	61	128	1.23	1.28
March.....	1,300	59	134	1.27	1.49
April.....	420	67	101	.971	1.08
May.....	118	39	57.6	.554	.64
June.....	72	5	32.8	.315	.35
July.....	94	2	23.4	.225	.26
August.....	48	2	16.4	.158	.18
September.....	39	2	23.2	.223	.26
The year.....	1,300	2	73.8	.710	9.62

SLATE RIVER NEAR ARVONIA, VA.

LOCATION.—Chain gage at Bumpers highway bridge 2 miles from Arvonias, Buckingham County, and 2 miles above mouth.

DRAINAGE AREA.—235 square miles.

RECORDS AVAILABLE.—April, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 2,310 second-feet Mar. 8 (gage height, 8.80 feet); minimum, 2 second-feet Sept. 28-30 (gage height, 1.40 feet).

1926-1930: Maximum discharge, 5,300 second-feet Aug. 12, 1928 (gage height, 14.12 feet); minimum, that of Sept. 28-30, 1930.

REMARKS.—Records good. Discharge estimated Oct. 22, 23, Dec. 26-28, Feb. 11, Apr. 14, Sept. 7. Operation of gristmill $7\frac{1}{2}$ miles upstream affects low-water flow.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	420	146	102	225	256	130	123	123	68	50	14	12
2.....	1,910	123	162	196	225	130	130	123	63	43	22	9
3.....	540	123	392	170	420	130	130	109	63	68	17	9
4.....	178	392	291	162	1,040	123	205	109	63	73	16	8
5.....	123	392	205	146	2,010	123	162	109	58	57	16	7
6.....	109	196	178	146	1,040	123	420	102	56	44	21	6
7.....	96	154	162	138	392	448	1,170	102	56	42	17	6
8.....	84	138	154	138	291	1,860	366	96	61	38	16	6
9.....	84	123	154	138	245	540	256	90	96	36	15	5
10.....	84	123	138	130	225	303	205	90	146	29	13	5
11.....	84	116	138	123	200	256	196	84	116	29	12	6
12.....	84	116	162	116	187	245	178	96	78	29	12	7
13.....	84	123	154	123	187	205	162	96	68	26	10	7
14.....	78	138	154	340	196	187	170	96	73	23	10	10
15.....	78	178	146	508	178	170	170	109	63	24	8	12
16.....	84	178	138	315	162	170	154	102	61	36	6	8
17.....	84	146	130	215	154	170	154	84	90	32	10	8
18.....	78	574	170	303	162	170	187	84	267	34	22	9
19.....	78	366	279	420	162	170	187	162	123	36	10	10
20.....	73	215	205	187	154	154	170	196	96	33	20	8
21.....	78	162	162	303	154	146	162	116	73	31	22	8
22.....	1,460	146	146	574	146	146	154	90	63	28	18	9
23.....	400	154	170	392	146	138	154	84	59	25	18	9
24.....	196	187	187	340	146	146	138	78	54	19	13	9
25.....	154	235	170	256	146	146	138	73	49	17	14	9
26.....	123	215	160	205	138	170	130	73	50	23	14	8
27.....	109	170	150	196	138	154	130	68	50	17	13	6
28.....	109	154	250	215	130	138	123	73	50	16	19	3
29.....	102	130	540	215	-----	130	130	73	52	10	12	2
30.....	116	116	366	215	-----	130	130	73	43	12	13	2
31.....	146	-----	267	267	-----	130	-----	73	-----	11	12	-----

Month	Maximum	Minimum	Mean	Pcr square mile	Run-off in inches
October.....	1,910	73	240	1.02	1.48
November.....	574	116	191	.813	.91
December.....	540	102	199	.847	.98
January.....	574	116	239	1.02	1.18
February.....	2,010	130	322	1.37	1.43
March.....	1,860	123	238	1.01	1.16
April.....	1,170	123	209	.889	.99
May.....	196	68	97.9	.417	.48
June.....	267	43	76.9	.327	.36
July.....	73	10	32.0	.136	.16
August.....	22	6	14.7	.063	.07
September.....	12	2	7.43	.032	.04
The year.....	2,010	2	155	.660	8.94

RIVANNA RIVER BELOW MOORES CREEK, NEAR CHARLOTTESVILLE, VA.

LOCATION.—Water-stage recorder 500 feet above Virginia Public Service Co.'s power plant near Charlottesville, Albemarle County, and 200 feet below Moores Creek.

DRAINAGE AREA.—507 square miles.

RECORDS AVAILABLE.—August, 1925, to September, 1930. February to August, 1925, at station half a mile upstream.

EXTREMES.—Maximum discharge during year, 7,290 second-feet Oct. 22 (gage height, 10.56 feet); minimum, 4 second-feet Sept. 30 (gage height, 1.29 feet). 1925-1930: Maximum discharge, 11,200 second-feet Apr. 16, 1929 (gage height, 14.15 feet); minimum, that of Sept. 30, 1930.

REMARKS.—Records good. Discharge estimated Nov. 8-11, June 2-7, July 23-30, Sept. 1-4.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	190	364	252	618	403	232	220	280	81	73	23	22
2.....	3,980	322	312	544	386	236	220	224	80	280	26	20
3.....	1,980	322	464	468	580	224	240	197	80	280	22	20
4.....	644	343	343	420	1,650	224	260	182	80	81	19	18
5.....	430	322	322	864	2,550	220	232	174	75	65	20	16
6.....	343	301	343	343	1,300	220	448	163	75	60	21	20
7.....	280	280	301	343	952	526	1,040	163	75	63	28	21
8.....	240	270	301	322	730	4,430	544	146	90	60	20	20
9.....	279	260	301	301	592	1,570	430	143	163	57	24	20
10.....	279	250	280	301	544	952	364	136	232	55	26	14
11.....	193	250	280	280	475	760	343	132	205	54	23	8
12.....	182	260	280	260	408	672	322	132	123	48	21	9
13.....	174	260	280	260	408	544	301	129	99	46	21	14
14.....	174	280	280	301	408	475	301	139	92	52	21	41
15.....	174	260	280	386	386	430	280	174	83	56	28	28
16.....	171	240	280	322	322	408	260	149	71	52	31	17
17.....	156	240	280	301	322	386	280	123	156	50	33	24
18.....	146	1,110	280	301	343	364	280	174	430	49	39	19
19.....	139	1,040	322	236	322	364	280	260	205	44	51	18
20.....	136	672	364	280	301	343	260	240	143	42	43	18
21.....	149	544	322	343	280	301	240	160	108	42	35	19
22.....	3,150	452	322	386	280	301	240	123	90	42	26	18
23.....	1,710	430	322	464	280	280	232	114	81	40	35	18
24.....	1,160	408	408	375	280	280	213	102	76	38	34	16
25.....	760	408	386	354	280	280	205	99	70	36	35	15
26.....	568	364	364	322	260	322	201	94	66	34	35	13
27.....	475	364	364	364	260	260	201	92	343	32	47	12
28.....	408	343	544	322	236	240	197	92	120	32	57	11
29.....	364	322	1,020	343	-----	236	197	88	78	30	28	7
30.....	343	280	886	254	-----	236	217	92	71	30	26	4
31.....	386	-----	730	316	-----	228	-----	90	-----	28	25	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	3,980	136	638	1.26	1.45
November.....	1,110	240	385	.759	.85
December.....	1,020	252	381	.751	.87
January.....	618	236	349	.688	.79
February.....	2,550	236	555	1.09	1.14
March.....	4,430	220	534	1.05	1.21
April.....	1,040	197	302	.596	.66
May.....	280	88	149	.294	.34
June.....	430	66	125	.247	.28
July.....	280	28	62.9	.124	.14
August.....	57	19	29.8	.059	.07
September.....	41	4	17.3	.034	.04
The year.....	4,430	4	293	.578	7.84

WILLIS RIVER AT FLANAGAN MILLS, VA.

LOCATION.—Chain gage at highway bridge at Flanagan Mills, Cumberland County, 3 miles below Reynolds Creek.

DRAINAGE AREA.—247 square miles.

RECORDS AVAILABLE.—April, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year probably occurred during estimated period; minimum, 2 second-feet Sept. 30 (gage height, 2.42 feet).

1926-1930: Maximum discharge, 3,330 second-feet Mar. 7, 1929 (gage height, 19.95 feet); minimum, that of Sept. 30, 1930.

REMARKS.—Records fair. Discharge estimated Oct. 1 to Feb. 20. Flow from Trice Lake, which forms only a small part of total flow at station, completely regulated during low stages and slightly affects natural flow at gage.

Daily and monthly discharge, in second-feet, 1929-30

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	370	140	104	119	57	45	19	8
2.....		140	100	109	51	104	13	6
3.....		146	109	109	51	241	14	6
4.....		124	181	100	45	146	14	17
5.....		124	181	95	45	86	17	12
6.....		124	357	86	40	54	22	11
7.....		124	1,280	86	42	48	18	7
8.....		580	1,280	78	51	42	18	6
9.....		737	907	74	68	35	17	5
10.....		774	292	74	90	30	14	6
11.....		318	217	71	71	27	20	9
12.....		266	193	71	60	23	11	7
13.....		241	181	78	51	23	9	9
14.....		205	169	74	48	26	9	11
15.....		181	181	193	45	25	9	7
16.....		157	193	90	48	25	11	7
17.....		157	157	74	48	23	14	11
18.....		157	181	82	119	23	20	8
19.....		157	229	181	344	30	22	7
20.....		146	229	193	470	25	20	6
21.....	205	146	181	119	135	22	21	5
22.....	169	135	157	82	86	24	23	4
23.....	146	135	146	74	40	20	17	6
24.....	157	130	135	57	45	20	10	8
25.....	157	130	130	146	45	18	10	7
26.....	169	135	124	146	40	20	10	4
27.....	157	140	114	90	42	15	12	3
28.....	140	124	114	71	42	23	12	3
29.....		135	119	68	384	16	11	3
30.....		114	119	60	42	18	10	2
31.....		109		64		21	8	
Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches			
October.....			280	1.13	1.30			
November.....			200	.810	.90			
December.....			200	.810	.93			
January.....			210	.850	.98			
February.....		140	311	1.26	1.31			
March.....	774	109	207	.838	.97			
April.....	1,280	100	269	1.09	1.22			
May.....	193	57	97.2	.394	.45			
June.....	470	40	91.5	.370	.41			
July.....	241	15	41.9	.170	.20			
August.....	23	8	14.7	.060	.07			
September.....	17	2	7.03	.028	.03			
The year.....		2	160	.648	8.77			

APPOMATTOX RIVER AT FARMVILLE, VA.

LOCATION.—Water-stage recorder at highway bridge 1,000 feet north of Farmville, Prince Edward County, and $1\frac{1}{2}$ miles below Buffalo Creek.

DRAINAGE AREA.—306 square miles.

RECORDS AVAILABLE.—March, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 2,060 second-feet Feb. 5 (gage height, 13.80 feet); minimum, 8 second-feet July 31 (gage height, 2.65 feet).

1926-1930: Maximum discharge, 6,960 second-foot (revised) Aug. 12, 1928 (gage height, 21.10 feet); minimum, that of July 31, 1930.

REMARKS.—Records good prior to July 1 and fair thereafter. Low-water flow regulated by dam above station. Discharge estimated Dec. 15-26, Jan. 31 to Feb. 4, June 1-8, Sept. 17, 18.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	341	162	126	242	300	160	131	130	100	51	29	15
2.....	1,210	144	254	216	530	166	132	124	90	86	18	18
3.....	986	139	643	204	730	160	144	117	85	135	32	14
4.....	423	649	418	192	900	155	129	112	75	92	36	13
5.....	160	716	271	168	1,740	155	162	108	65	61	18	12
6.....	129	398	242	162	1,220	155	470	107	60	58	32	15
7.....	114	242	216	168	547	104	1,130	102	60	52	20	12
8.....	105	192	210	162	384	941	608	98	68	45	23	16
9.....	97	174	204	162	314	601	298	92	71	40	21	19
10.....	92	156	180	156	288	296	222	91	116	39	12	36
11.....	92	150	168	150	256	254	198	89	109	40	19	37
12.....	92	150	168	144	237	288	186	87	75	35	20	24
13.....	92	168	174	150	243	210	174	90	71	19	14	30
14.....	92	174	168	502	356	192	168	96	70	41	16	45
15.....	91	320	150	721	308	174	162	104	69	36	17	33
16.....	91	453	140	550	243	168	156	96	68	37	12	27
17.....	86	268	130	346	213	168	156	86	108	36	14	24
18.....	85	366	130	480	213	168	186	84	210	62	16	21
19.....	84	415	250	622	213	192	198	150	210	63	18	18
20.....	84	268	460	387	201	180	180	198	139	39	24	30
21.....	86	210	360	307	165	156	162	113	86	39	19	28
22.....	831	186	250	413	189	156	156	90	73	31	20	28
23.....	642	192	290	618	183	144	150	83	67	29	18	25
24.....	464	228	340	395	183	144	139	92	61	28	12	19
25.....	204	300	300	300	183	150	135	100	57	25	22	19
26.....	150	314	250	242	177	180	132	84	58	25	19	16
27.....	139	300	274	248	172	156	132	79	92	22	19	18
28.....	131	254	406	274	160	139	130	80	77	40	19	12
29.....	128	210	543	254	-----	139	128	77	68	36	17	16
30.....	135	174	408	192	-----	139	134	88	61	32	20	13
31.....	156	-----	294	180	-----	136	-----	95	-----	19	11	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	1,210	84	246	0.804	0.93
November.....	716	139	270	.882	.98
December.....	643	126	272	.889	1.02
January.....	721	144	300	.980	1.13
February.....	1,740	160	388	1.27	1.32
March.....	941	136	213	.696	.80
April.....	1,130	128	220	.719	.80
May.....	198	77	101	.330	.38
June.....	210	57	87.3	.285	.32
July.....	135	19	44.2	.144	.17
August.....	36	11	19.6	.064	.07
September.....	45	12	21.8	.071	.08
The year.....	1,740	11	181	.592	8.00

APPOMATTOX RIVER AT MATTOAX, VA.

LOCATION.—Chain gage at Southern Railway bridge at Mattoax, Amelia County, one-fourth mile above Skinquarter Creek.

DRAINAGE AREA.—745 square miles.

RECORDS AVAILABLE.—August, 1900, to December, 1905; March, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 4,090 second-feet Oct. 22 (gage height, 18.36 feet); minimum, 17 second-feet Sept. 5-7 (gage height, 3.67 feet).

1900-1905, 1926-1930: Maximum discharge, 12,200 second-feet May 25, 1901 (gage height, 24.6 feet, old datum); minimum, that of Sept. 5-7, 1930.

REMARKS.—Records good. Discharge estimated Dec. 23, Feb. 18, Sept. 10-12.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	July	Aug.	Sept.
1.....	141	358	376	640	476	396	322	340	206	110	41	27
2.....	2,890	358	416	556	728	396	322	322	176	110	31	30
3.....	3,210	322	1,370	516	1,100	396	322	304	162	728	30	24
4.....	3,210	988	1,670	476	2,120	376	396	286	141	516	30	20
5.....	3,370	2,120	1,220	436	3,410	358	436	270	134	254	34	24
6.....	576	1,460	684	396	3,410	358	436	254	128	198	32	20
7.....	376	794	596	396	3,610	358	2,470	254	128	128	42	18
8.....	304	576	556	396	3,730	436	2,890	238	134	122	38	19
9.....	270	476	516	376	1,070	1,160	2,860	222	148	105	35	22
10.....	238	416	496	376	750	862	838	206	148	90	30	30
11.....	222	376	456	358	662	576	618	198	162	80	40	40
12.....	222	358	436	340	618	516	556	190	190	72	28	45
13.....	206	376	436	340	618	536	516	183	169	64	24	54
14.....	198	416	456	396	816	476	476	198	148	64	24	41
15.....	190	496	436	1,430	1,040	396	662	206	134	64	22	54
16.....	198	794	416	1,550	910	396	496	206	128	64	34	42
17.....	190	794	396	1,130	662	376	456	206	141	64	29	28
18.....	190	706	396	1,100	609	396	496	190	222	68	116	50
19.....	169	862	496	1,790	556	396	596	222	436	68	46	35
20.....	169	750	936	1,430	536	456	618	396	35 ³	76	37	37
21.....	169	556	684	936	516	416	516	396	270	76	38	26
22.....	2,640	456	496	838	496	376	456	270	190	64	29	44
23.....	3,930	436	546	1,220	476	358	416	222	141	50	40	27
24.....	3,770	476	596	1,310	476	358	396	238	128	44	30	28
25.....	2,580	640	618	886	476	358	358	190	117	40	30	44
26.....	618	750	496	684	456	376	358	254	100	38	29	23
27.....	456	772	536	596	456	416	340	183	100	37	32	27
28.....	396	684	838	662	416	396	340	176	100	35	30	25
29.....	340	556	1,160	706	-----	340	340	162	148	35	30	24
30.....	322	456	1,190	596	-----	340	340	176	128	40	46	28
31.....	358	-----	862	376	-----	340	-----	190	-----	42	26	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	3,930	141	1,040	1.40	1.61
November.....	2,120	322	653	.877	.98
December.....	1,670	376	670	.899	1.04
January.....	1,790	340	750	1.01	1.16
February.....	3,730	416	1,110	1.49	1.55
March.....	1,160	340	442	.593	.68
April.....	2,890	322	688	.923	1.03
May.....	396	162	237	.318	.37
June.....	436	100	167	.224	.25
July.....	728	35	114	.153	.18
August.....	116	22	35.6	.048	.06
September.....	54	18	31.9	.043	.05
The year.....	3,930	18	491	.659	8.96

APPOMATTOX RIVER NEAR PETERSBURG, VA.

LOCATION.—Water-stage recorder $1\frac{1}{2}$ miles above dam of Virginia Electric & Power Co. and 6 miles west of Petersburg, Dinwiddie County.

DRAINAGE AREA.—1,340 square miles.

RECORDS AVAILABLE.—May, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,120 second-feet Oct. 24 (gage height, 8.30 feet); minimum, 35 second-feet Sept. 6 (gage height, 1.22 feet).

1927-1930: Maximum discharge, 8,710 second-feet Apr. 30, 1928 (gage height, 9.53 feet); minimum, that of Sept. 6, 1930.

REMARKS.—Records good. Discharge estimated July 15, 16, Aug. 14, 15, 22, 23, 29, 30, Sept. 14-30.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	485	546	646	1,290	1,040	616	484	581	348	175	63	50
2	2,600	532	546	1,030	1,290	630	478	567	327	211	63	48
3	5,560	511	2,060	902	2,010	623	497	539	300	500	57	42
4	6,340	958	2,830	824	3,300	595	623	472	280	1,150	57	46
5	5,560	2,960	2,660	742	5,580	581	742	454	235	669	46	46
6		3,140	3,050	1,670	638	6,210	574	906	436	321	61	38
7		762	1,860	1,220	602	5,950	581	3,300	424	221	250	39
8		466	1,160	1,060	616	5,170	718	4,570	406	254	207	45
9		388	866	965	630	3,960	1,000	4,450	388	280	188	43
10		338	686	875	630	1,760	1,620	3,060	370	321	150	39
11		306	588	790	638	1,430	1,140	1,290	354	321	123	52
12		280	567	734	560	1,220	858	1,000	327	300	112	45
13		269	581	742	539	1,110	816	893	327	343	109	50
14		259	630	750	665	1,380	742	832	332	321	83	95
15		259	654	758	1,860	1,760	623	920	359	290	80	90
16		254	850	710	2,040	1,670	602	1,030	354	250	80	80
17		250	1,200	630	2,360	1,290	553	824	354	259	77	86
18		230	1,200	609	2,250	1,070	546	816	332	290	74	83
19		235	1,340	824	3,270	1,030	595	1,010	382	484	83	80
20		230	1,340	1,030	3,270	983	630	1,140	646	670	83	74
21		226	1,060	1,340	2,410	938	646	1,010	774	504	83	77
22		3,260	816	938	1,760	884	588	841	646	348	86	80
23		6,730	702	816	2,060	850	546	726	430	285	88	60
24		6,990	758	1,230	2,260	816	525	646	354	230	68	52
25		6,860	1,060	1,290	1,960	807	525	630	466	202	65	61
26		4,440	1,290	1,070	1,430	790	553	646	400	188	65	61
27		1,100	1,380	1,020	1,180	742	567	616	365	179	63	63
28		710	1,290	1,230	1,290	662	581	595	321	170	54	71
29		574	1,050	1,720	1,380		546	595	300	166	61	57
30		532	824	1,910	1,240		532	581	300	170	59	70
31		518		1,720	1,060		504		327		46	45

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	6,990	226	1,940	1.45	1.67
November	3,050	511	1,080	.806	.90
December	2,830	546	1,170	.873	1.01
January	3,270	539	1,430	1.07	1.23
February	6,210	662	1,990	1.49	1.55
March	1,620	504	670	.500	.58
April	4,570	478	1,190	.888	.99
May	774	300	422	.315	.36
June	670	166	292	.218	.24
July	1,150	46	176	.131	.15
August	129	45	63.6	.047	.05
September		38	59.9	.045	.05
The year	6,990	38	867	.647	8.78

DISMAL SWAMP BASIN

LAKE DRUMMOND IN DISMAL SWAMP, VA.

LOCATION.—Staff gage near outlet on east side of Lake Drummond, between Nansemond and Norfolk Counties, about 25 miles from Norfolk and 4 miles from North Carolina State line.

RECORDS AVAILABLE.—May, 1926, to September, 1930.

EXTREMES.—Maximum stage during year, 6.09 feet Oct. 7; minimum, 1.95 feet Sept. 30.

1926-1930: Maximum stage, that of Oct. 7, 1929; minimum, 0.10 foot Dec. 9, 1926.

REMARKS.—Records good.

Daily gage height, in feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	4.05	3.71	3.65	3.58	3.51	3.55	3.37	4.34	3.84	4.35	3.61	2.73
2-----	4.45	3.75	3.65	3.61	3.55	3.58	3.39	4.34	3.82	4.35	3.56	2.69
3-----	5.11	3.76	3.74	3.62	3.60	3.56	3.44	4.34	3.77	4.39	3.53	2.63
4-----	5.61	3.86	3.80	3.64	3.60	3.45	3.51	4.35	3.74	4.37	3.49	2.59
5-----	5.89	3.79	3.80	3.64	3.65	3.43	3.53	4.37	3.67	4.41	3.44	2.57
6-----	6.07	3.75	3.81	3.67	3.63	3.43	3.55	4.38	3.63	4.35	3.39	2.51
7-----	6.09	3.75	3.82	3.66	3.66	3.41	3.63	4.36	3.72	4.36	3.37	2.49
8-----	6.05	3.71	3.81	3.66	3.67	3.44	3.53	4.32	3.81	4.37	3.35	2.47
9-----	5.95	3.69	3.73	3.67	3.65	3.47	3.53	4.34	4.01	4.31	3.30	2.42
10-----	5.75	3.67	3.71	3.67	3.67	3.41	3.53	4.30	4.11	4.29	3.25	2.39
11-----	5.63	3.68	3.69	3.67	3.61	3.39	3.55	4.29	4.17	4.27	3.26	2.31
12-----	5.46	3.67	3.67	3.64	3.60	3.37	3.61	4.31	4.21	4.25	3.19	2.32
13-----	5.28	3.67	3.64	3.67	3.59	3.36	3.63	4.29	4.29	4.19	3.16	2.33
14-----	5.13	3.64	3.67	3.68	3.59	3.32	3.68	4.26	4.33	4.15	3.13	2.43
15-----	4.96	3.67	3.73	3.71	3.59	3.28	3.73	4.30	4.38	4.13	3.11	2.43
16-----	4.76	3.70	3.71	3.71	3.59	3.25	3.75	4.21	4.42	4.13	3.11	2.42
17-----	4.55	3.69	3.69	3.79	3.59	3.23	3.77	4.20	4.45	4.13	3.09	2.39
18-----	4.36	3.77	3.68	3.75	3.61	3.27	3.81	4.19	4.53	4.11	3.09	2.33
19-----	4.17	3.69	3.68	3.62	3.66	3.34	3.89	4.23	4.55	4.09	3.07	2.29
20-----	3.99	3.69	3.73	3.61	3.67	3.35	3.95	4.24	4.59	4.07	3.03	2.27
21-----	3.86	3.69	3.65	3.61	3.66	3.35	4.02	4.19	4.58	4.03	2.99	2.25
22-----	3.85	3.68	3.61	3.57	3.66	3.33	4.04	4.17	4.58	4.03	2.99	2.24
23-----	3.77	3.73	3.70	3.53	3.63	3.30	4.07	4.13	4.55	4.01	3.02	2.20
24-----	3.71	3.65	3.66	3.53	3.66	3.25	4.07	4.12	4.53	3.89	2.95	2.15
25-----	3.75	3.65	3.63	3.53	3.66	3.34	4.09	4.07	4.50	3.89	2.93	2.11
26-----	3.76	3.68	3.65	3.57	3.65	3.33	4.15	4.02	4.52	3.83	2.92	2.09
27-----	3.79	3.69	3.63	3.66	3.62	3.32	4.19	3.98	4.54	3.79	2.99	2.07
28-----	3.73	3.67	3.60	3.67	3.57	3.31	4.21	3.96	4.47	3.77	2.93	2.05
29-----	3.70	3.68	3.57	3.67	-----	3.37	4.24	3.90	4.47	3.75	2.85	2.01
30-----	3.73	3.67	3.61	3.67	-----	3.38	4.27	3.90	4.42	3.71	2.79	1.95
31-----	3.73	-----	3.54	3.59	-----	3.38	-----	3.92	-----	3.65	2.76	-----

CHOWAN RIVER BASIN

NOTTOWAY RIVER NEAR STONY CREEK, VA.

LOCATION.—Chain gage at bridge on Petersburg-Emporia highway 3½ miles south of Stony Creek, Sussex County, and 2 miles above Island Swamp Creek.

DRAINAGE AREA.—586 square miles.

RECORDS AVAILABLE.—March to September, 1930.

EXTREMES.—Maximum discharge during period, 2,460 second-feet Apr. 9 (gage height, 11.32 feet); minimum, 18 second-feet Sept. 30 (gage height, 0.84 foot).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1930

Day	Mar.	Apr.	May	June	July	Aug.	Sept.
1		343	321	280	90	25	20
2		321	321	209	126	27	19
3		365	300	177	95	90	19
4		672	261	154	84	57	24
5		622	243	140	126	41	20
6		550	243	126	479	33	20
7		2,100	226	126	300	38	20
8		2,220	226	154	201	36	18
9		2,400	209	300	170	33	19
10		825	201	956	193	31	29
11		647	185	622	101	31	41
12		598	185	365	84	29	74
13		550	170	280	79	31	54
14		502	177	261	57	29	47
15		502	218	209	57	29	41
16		479	243	185	70	25	36
17		456	218	170	54	20	27
18		479	177	479	54	120	24
19		550	218	598	65	261	20
20		722	300	456	54	90	25
21		574	433	243	50	65	25
22		479	261	193	47	50	22
23		433	193	154	50	31	25
24		387	177	147	38	25	24
25		365	201	120	38	31	24
26		343	280	101	36	31	22
27		410	365	209	133	31	25
28		365	365	170	95	31	33
29		365	343	162	114	25	31
30		387	343	209	107	25	27
31		365	410		25	22	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
March 27-31	410	365	378	0.645	0.12
April	2,400	321	663	1.13	1.26
May	433	162	237	.404	.47
June	956	95	255	.435	.49
July	479	25	94.7	.162	.19
August	261	20	46.7	.080	.09
September	74	18	27.2	.046	.05

MEHERRIN RIVER NEAR LAWRENCEVILLE, VA.

LOCATION.—Chain gage at Gholson Bridge, 3 miles southeast of Lawrenceville, Brunswick County.

DRAINAGE AREA.—553 square miles.

RECORDS AVAILABLE.—December, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,270 second-feet Oct. 3 (gage height, 22.66 feet); minimum, 7 second-feet Aug. 16 (gage height, 0.84 foot).
1928-1930: Maximum discharge, that of Oct. 3, 1929; minimum, that of Aug. 16, 1930.

REMARKS.—Records good. Flow regulated during low water by small dam and mill just above station. Discharge estimated Jan. 14.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	3,670	328	306	416	482	328	254	264	214	79	186	10
2-----	6,010	306	306	372	504	328	244	244	159	84	47	8
3-----	7,040	306	2,100	372	1,180	328	254	224	142	73	20	8
4-----	5,790	1,130	1,320	372	2,370	306	438	204	114	65	18	9
5-----	600	1,580	504	350	3,640	306	504	195	120	66	18	16
6-----	438	648	460	328	3,450	284	416	177	108	79	134	17
7-----	350	482	350	328	1,130	284	3,560	186	120	168	80	70
8-----	306	438	504	306	792	372	3,290	186	177	114	80	90
9-----	284	394	438	328	624	438	768	168	576	77	76	234
10-----	254	328	394	306	576	394	576	150	744	79	61	328
11-----	234	328	372	306	528	394	482	142	214	73	51	96
12-----	214	328	416	284	504	350	438	142	127	53	47	63
13-----	214	576	328	306	460	306	416	150	150	48	60	74
14-----	204	372	350	380	552	306	394	168	168	47	20	68
15-----	195	350	328	576	922	284	372	195	142	50	13	29
16-----	186	350	350	1,880	768	264	372	204	127	62	9	12
17-----	177	350	328	1,030	504	264	350	186	120	61	10	20
18-----	159	394	328	1,030	438	264	350	168	672	59	24	26
19-----	159	372	416	2,540	438	416	438	204	438	52	35	18
20-----	159	372	438	1,180	416	792	504	504	214	53	18	16
21-----	150	372	372	460	394	552	394	264	134	40	10	15
22-----	3,450	372	328	576	394	372	350	177	127	34	23	14
23-----	5,840	394	394	1,080	394	328	328	150	114	33	15	11
24-----	4,610	394	528	600	394	306	306	134	127	30	16	12
25-----	648	482	482	438	372	328	254	142	120	28	24	14
26-----	482	696	394	438	372	306	244	150	108	26	34	14
27-----	438	818	416	416	350	306	284	127	108	23	11	14
28-----	394	576	460	528	328	306	264	127	108	20	10	14
29-----	350	416	696	552	-----	284	264	134	102	18	12	16
30-----	306	350	672	504	-----	284	244	195	70	27	10	15
31-----	328	-----	460	460	-----	264	-----	328	-----	24	10	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	7,040	150	1,410	2.55	2.94
November-----	1,584	306	487	.881	.98
December-----	2,100	306	501	.906	1.04
January-----	2,540	284	614	1.11	1.28
February-----	3,640	328	831	1.50	1.56
March-----	792	264	343	.620	.71
April-----	3,560	244	578	1.05	1.17
May-----	504	127	193	.349	.40
June-----	744	70	199	.360	.40
July-----	168	18	56.3	.102	.12
August-----	186	9	38.1	.069	.08
September-----	328	8	45.0	.081	.09
The year-----	7,040	8	439	.794	10.77

ROANOKE RIVER BASIN

ROANOKE RIVER AT ROANOKE, VA.

LOCATION.—Chain gage at Walnut Street highway bridge in Roanoke County.

DRAINAGE AREA.—388 square miles.

RECORDS AVAILABLE.—July, 1896, to September, 1930.

EXTREMES.—Maximum discharge during year, 8,990 second-feet Oct. 2 (gage height, 10.20 feet); minimum, 32 second-feet Aug. 5, Sept. 21, 28 (gage height, 0.60 foot).

1896-1930: Maximum discharge, 16,900 second-feet Aug. 6, 1901 (gage height, 14.34 feet); practically no flow Dec. 23, 1909 (gage height, 0.0 foot).

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,880	470	350	580	254	201	182	155	78	54	40	40
2.....	8,990	466	351	540	400	204	182	152	78	5	38	40
3.....	2,320	466	395	580	545	207	182	147	78	5	40	40
4.....	850	770	395	520	952	207	201	144	70	49	40	38
5.....	620	660	290	500	1,540	214	182	141	66	49	33	35
6.....	460	560	290	466	1,080	214	300	141	66	52	43	36
7.....	310	460	290	418	952	330	418	141	86	46	45	36
8.....	290	372	290	372	800	600	395	141	88	40	95	42
9.....	280	351	290	351	670	465	330	120	91	43	82	46
10.....	270	330	272	290	545	330	290	120	330	43	49	45
11.....	260	330	254	290	395	310	272	114	155	43	46	45
12.....	250	330	237	290	442	290	254	109	109	40	49	43
13.....	250	372	237	290	372	272	246	109	95	39	42	38
14.....	240	372	237	290	351	254	237	109	95	45	43	38
15.....	230	330	235	310	330	254	220	109	84	46	52	38
16.....	230	628	237	272	320	255	214	100	74	54	52	46
17.....	220	518	220	254	310	254	207	100	100	5	52	45
18.....	220	2,880	220	272	290	237	207	126	173	49	52	46
19.....	220	1,730	237	254	290	237	194	152	136	46	52	52
20.....	210	952	310	237	254	220	194	152	130	43	51	48
21.....	380	800	272	272	254	220	194	147	91	43	51	35
22.....	6,460	660	270	272	254	214	194	147	90	32	49	46
23.....	1,920	518	272	290	246	215	182	100	89	32	49	45
24.....	916	518	272	290	237	214	170	100	70	40	39	48
25.....	700	442	272	290	237	220	176	89	59	43	46	45
26.....	580	395	254	290	220	220	176	78	62	40	46	49
27.....	460	395	254	290	220	194	173	78	60	32	38	40
28.....	420	395	782	290	214	194	170	78	60	32	49	38
29.....	430	351	1,050	290	-----	194	164	78	52	42	52	48
30.....	450	351	782	290	-----	185	158	78	57	62	40	48
31.....	480	-----	690	237	-----	176	-----	78	-----	52	42	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	8,990	210	1,026	2.64	3.04
November.....	2,880	330	606	1.56	1.74
December.....	1,050	220	349	.899	1.04
January.....	580	237	338	.871	1.00
February.....	1,540	214	462	1.19	1.24
March.....	600	176	252	.649	.75
April.....	418	158	222	.572	.64
May.....	155	78	117	.302	.35
June.....	330	52	95.7	.247	.28
July.....	68	38	45.6	.118	.14
August.....	95	33	48.3	.124	.14
September.....	52	35	42.6	.110	.12
The year.....	8,990	33	300	.773	10.48

* Estimated.

ROANOKE RIVER AT NIAGARA, VA.

LOCATION.—Water-stage recorder 200 feet below power plant of Appalachian Electric Power Co. at Niagara, Roanoke County, and 2 miles below mouth of Tinker Creek.

DRAINAGE AREA.—511 square miles.

RECORDS AVAILABLE.—July, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 12,000 second-feet Oct. 2 (gage height, 14.29 feet); minimum, 21 second-feet Sept. 21 (gage height, 0.60 foot).

1926-1930: Maximum discharge, 16,300 second-feet Aug. 16, 1928 (gage height, 17.36 feet); minimum, 14 second-feet July 11, 1926 (gage height, 0.45 foot).

REMARKS.—Records good. Discharge estimated Oct. 1-8. Flow regulated at dam and water-power plant located 200 feet above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,210	584	374	782	401	344	274	217	144	113	112	93
2.....	10,400	580	511	693	424	354	258	222	141	125	103	87
3.....	2,860	656	542	771	682	352	313	237	128	103	102	87
4.....	1,100	1,120	441	726	1,870	287	272	204	126	109	93	84
5.....	795	874	440	662	2,950	346	284	229	139	108	99	78
6.....	609	744	424	595	1,740	307	407	341	215	113	123	78
7.....	528	645	446	582	1,210	762	595	168	158	120	105	81
8.....	460	591	414	554	972	977	509	232	178	106	178	94
9.....	412	528	403	517	826	656	437	189	191	103	147	90
10.....	399	482	412	484	722	569	436	206	317	112	130	87
11.....	358	480	386	444	646	488	363	185	204	104	92	87
12.....	348	470	376	436	583	484	368	180	185	101	105	86
13.....	340	476	380	433	577	434	358	226	186	101	95	111
14.....	320	456	376	464	545	422	336	164	160	101	97	114
15.....	304	605	360	447	517	405	340	209	150	113	97	89
16.....	309	863	345	443	454	368	291	199	160	109	93	97
17.....	295	716	356	421	451	389	303	181	230	127	108	102
18.....	262	3,460	369	419	430	380	300	177	285	110	101	91
19.....	266	2,100	494	398	440	400	292	293	204	112	107	101
20.....	274	1,240	492	353	410	357	283	233	181	107	105	110
21.....	386	964	418	391	401	360	284	201	158	105	106	94
22.....	7,590	834	441	424	350	347	286	173	157	103	101	98
23.....	2,920	740	470	421	387	310	290	165	147	105	90	91
24.....	1,360	671	454	416	387	306	243	162	146	101	87	88
25.....	932	628	406	392	387	336	251	120	142	94	89	86
26.....	762	575	409	395	372	326	243	165	136	91	99	86
27.....	622	578	418	391	356	314	244	135	129	105	99	84
28.....	534	518	776	451	344	283	237	134	96	129	84	71
29.....	546	520	1,360	408	-----	282	240	148	120	107	101	73
30.....	580	453	1,070	412	-----	287	245	137	141	125	95	75
31.....	613	-----	912	331	-----	272	-----	143	-----	116	93	-----

Month	Maximum	Minimum	Mean	Per square rifle	Run-off in inches
October.....	10,400	262	1,250	2.45	2.82
November.....	3,480	453	805	1.58	1.76
December.....	1,360	345	499	.977	1.13
January.....	782	353	487	.953	1.10
February.....	2,950	344	708	1.39	1.45
March.....	977	272	403	.789	.91
April.....	595	237	319	.624	.70
May.....	341	120	193	.378	.44
June.....	317	96	168	.329	.37
July.....	129	91	109	.213	.25
August.....	178	84	104	.204	.24
September.....	114	71	89.8	.176	.20
The year.....	10,400	71	427	.836	11.37

ROANOKE RIVER NEAR TOSHES, VA.

LOCATION.—Water-stage recorder three-fourths mile below Smith Mountain Gap, 3 miles above Pigg River, and 7 miles northwest of Toshes, Pittsylvania County.

DRAINAGE AREA.—1,020 square miles.

RECORDS AVAILABLE.—September, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 25,600 second-feet Oct. 2; minimum, 112 second-feet Sept. 7 (gage height, 0.95 foot).

1925-1930: Maximum discharge, that of Oct. 2, 1929; minimum, that of Sept. 7, 1930.

REMARKS.—Records good. Discharge estimated Nov. 7 to Dec. 2.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6,300	1,040	792	1,360	740	642	649	562	376	275	208	143
2	19,200	1,040	905	1,160	831	649	642	538	359	270	190	138
3	11,400	1,010	1,200	1,200	1,120	642	630	538	354	270	186	130
4	2,750	1,400	975	1,200	2,200	630	701	538	326	270	190	126
5	2,000	1,520	870	1,080	4,320	586	656	490	315	271	172	123
6	1,480	1,240	857	1,010	2,740	636	798	514	315	271	172	119
7	1,240	1,200	824	975	1,960	2,520	1,240	636	406	271	222	115
8	1,120	1,080	838	940	1,600	7,160	1,080	448	359	271	246	126
9	975	975	792	919	1,360	2,130	891	490	615	271	300	164
10	877	940	760	857	1,200	1,400	824	454	1,140	222	255	176
11	838	870	766	831	1,080	1,160	805	460	574	277	208	159
12	812	940	740	779	1,010	1,040	734	436	424	222	176	164
13	779	1,010	727	766	933	975	720	436	382	278	164	168
14	734	1,040	734	824	940	891	708	484	382	278	164	236
15	688	1,240	714	919	905	850	694	466	364	227	168	208
16	642	2,000	708	912	838	812	694	460	337	227	181	176
17	623	1,520	694	831	798	786	656	442	512	251	186	222
18	623	5,360	708	812	786	792	675	436	734	270	208	204
19	592	4,040	864	772	766	792	649	740	630	251	204	168
20	580	2,270	1,010	701	772	786	649	760	448	236	186	172
21	604	1,820	864	753	746	740	623	550	382	272	186	190
22	7,030	1,520	786	864	714	734	623	472	359	199	176	181
23	6,720	1,360	850	926	701	714	623	424	342	171	176	181
24	2,950	1,240	850	850	720	675	616	418	320	278	164	164
25	2,450	1,120	786	805	714	688	568	418	310	222	159	151
26	1,910	1,010	746	766	708	753	574	364	305	194	159	147
27	1,360	940	844	766	675	708	562	400	337	176	164	147
28	1,080	905	1,080	772	656	682	568	376	342	176	164	147
29	1,010	870	2,140	824	-----	656	556	370	270	222	151	134
30	1,080	838	1,910	760	-----	656	550	436	280	255	159	126
31	1,160	-----	1,520	734	-----	649	-----	418	-----	278	151	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	19,200	580	2,630	2.58	2.97
November	5,360	838	1,450	1.42	1.58
December	2,140	694	931	.913	1.05
January	1,360	701	893	.875	1.01
February	4,320	656	1,160	1.14	1.19
March	7,160	586	1,080	1.06	1.22
April	1,240	550	699	.685	.76
May	700	364	483	.474	.55
June	1,140	270	420	.412	.46
July	285	176	228	.224	.26
August	300	151	187	.183	.21
September	236	115	160	.157	.18
The year	19,200	115	860	.843	11.44

ROANOKE RIVER NEAR GRETNA, VA.

LOCATION.—Chain gage at highway bridge at Tolers Ferry, seven-eighths mile below Pigg River and 8 miles northwest of Gretna, Pittsylvania County.

DRAINAGE AREA.—1,430 square miles.

RECORDS AVAILABLE.—March, 1925, to September, 1930 (discontinued).

EXTREMES.—Maximum discharge during year, 31,200 second-feet Oct. 2; minimum, 152 second-feet Sept. 6 (gage height, 2.94 feet).

1925-1930: Maximum discharge, 35,700 second-feet Aug. 11, 1928; minimum, that of Sept. 6, 1930.

Flood of September, 1924, reached a stage of 17.8 feet (discharge, 17,400 second-feet).

REMARKS.—Records good for medium and high stages and fair for low.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	9,680	1,360	1,290	* 2,070	1,500	1,010	945	650	540	372	270	214
2-----	26,300	1,430	1,430	1,820	1,580	* 1,000	945	705	418	* 360	252	173
3-----	14,300	1,290	1,980	1,820	1,820	* 1,000	880	705	440	* 350	221	164
4-----	4,080	1,980	1,740	1,820	2,590	945	1,010	820	395	* 350	221	158
5-----	2,500	1,980	1,660	1,430	5,860	1,010	1,080	705	440	* 340	221	158
6-----	1,900	1,660	1,360	1,430	3,860	1,010	1,660	705	440	330	214	179
7-----	1,500	1,500	1,150	1,360	2,860	2,520	2,060	760	465	* 320	270	158
8-----	1,360	1,360	1,220	1,500	2,410	11,700	1,660	650	* 440	* 320	418	161
9-----	1,220	1,220	1,220	1,360	1,980	3,340	1,360	705	760	* 310	418	252
10-----	1,010	1,010	1,010	1,290	1,660	1,970	1,080	622	1,900	* 310	* 330	218
11-----	1,010	1,080	1,220	1,220	1,580	* 1,770	1,080	* 650	820	* 300	252	214
12-----	945	1,150	1,290	1,080	1,500	* 1,600	1,080	678	540	* 300	221	224
13-----	945	1,220	1,220	1,150	1,430	* 1,450	* 1,120	705	515	290	188	252
14-----	945	1,290	1,010	1,580	1,500	* 1,350	1,150	650	465	270	204	270
15-----	880	2,140	1,010	2,060	1,430	* 1,280	1,080	678	418	* 280	221	252
16-----	820	* 2,860	1,080	1,820	1,220	* 1,200	945	622	465	* 290	221	221
17-----	820	* 2,140	1,220	1,980	1,150	* 1,180	820	540	490	310	* 230	350
18-----	820	8,020	1,290	1,820	1,150	1,290	1,010	2,860	1,220	330	252	290
19-----	705	4,920	1,500	1,010	1,220	1,220	1,010	2,410	1,010	290	235	218
20-----	820	2,960	1,740	1,080	1,080	1,220	880	1,660	540	290	252	235
21-----	820	2,590	* 1,400	1,220	1,150	1,220	880	1,580	515	* 280	252	* 280
22-----	7,590	* 2,140	* 1,300	1,660	1,150	1,150	945	678	* 470	* 260	* 240	* 270
23-----	7,690	1,900	1,360	1,500	945	1,080	880	540	418	252	* 240	* 260
24-----	3,500	1,820	1,220	1,360	1,150	1,080	820	515	418	* 260	* 230	221
25-----	2,790	1,820	1,150	1,220	1,080	1,080	705	* 480	418	* 260	* 230	200
26-----	2,130	1,660	1,080	1,220	1,010	* 1,100	760	440	440	270	* 230	207
27-----	1,640	1,660	1,220	1,080	945	* 1,030	820	465	650	218	228	214
28-----	1,360	1,660	1,290	1,150	945	* 1,000	705	465	515	218	221	218
29-----	1,360	1,500	2,960	1,220	-----	* 970	760	490	350	350	228	170
30-----	1,580	1,360	2,680	1,220	-----	* 960	705	622	372	372	* 214	164
31-----	1,580	-----	2,320	1,220	-----	* 950	-----	595	-----	270	* 214	-----
Month	Maximum		Minimum		Mean		Per square mile		Run-off in inches			
October-----	26,300		705		3,370		2.36		2.72			
November-----	8,020		1,010		2,020		1.41		1.57			
December-----	2,960		1,010		1,440		1.01		1.16			
January-----	2,070		1,010		1,440		1.01		1.16			
February-----	5,860		945		1,710		1.20		1.25			
March-----	11,700		945		1,640		1.15		1.33			
April-----	2,060		705		1,030		.720		.80			
May-----	2,860		440		818		.572		.66			
June-----	1,900		350		576		.403		.45			
July-----	372		218		301		.210		.24			
August-----	418		188		246		.172		.20			
September-----	350		158		219		.153		.17			
The year-----	26,300		158		1,230		.860		11.71			

* Estimated.

ROANOKE RIVER AT ALTAVISTA, VA.

LOCATION.—Water-stage recorder at highway bridge one-fourth mile south of Altavista, Campbell County.

DRAINAGE AREA.—1,800 square miles.

RECORDS AVAILABLE.—August and September, 1930.

EXTREMES.—Maximum mean discharge during period, 478 second-feet Sept. 17 (gage height, 2.63 feet); minimum (estimated), 210 second-feet Sept. 3-5, 29, 30.

REMARKS.—Records fair. Discharge estimated Aug. 30 to Sept. 5, Sept. 11, 12, 14-16, 18, 19, 21-25, 28-30.

Daily and monthly discharge, in second-feet, 1930

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1		250	11		310	21		320
2		220	12		300	22		320
3		210	13		296	23		300
4		210	14		360	24	296	280
5		210	15		330	25	280	250
6		218	16		330	26	276	280
7		225	17		478	27	308	253
8		236	18		370	28	340	240
9		304	19		300	29	312	210
10		320	20		308	30	276	210
						31	250	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
August 24-31			292	0.162	0.05
September			282	.137	.18

ROANOKE RIVER AT BROOKNEAL, VA.

LOCATION.—Water-stage recorder at highway bridge at Virginian Railway station at Brookneal, Campbell County, $2\frac{3}{4}$ miles above Falling River.

DRAINAGE AREA.—2,420 square miles.

RECORDS AVAILABLE.—April, 1923, to September, 1930.

EXTREMES.—Maximum discharge during year, 33,700 second-feet Oct. 3 (gage height, 33.35 feet); minimum, 274 second-feet Sept. 8 (gage height, 2.91 feet).

1923-1930: Maximum discharge, 39,000 second-feet Aug. 12, 1928 (gage height, 37.15 feet); minimum, that of Sept. 8, 1930.

Flood of November, 1877, reached a stage of about 36 feet and flood of Mar. 15, 1923, reached a stage of about 31 feet.

REMARKS.—Records good. Discharge estimated Feb. 15-19.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	5,060	2,260	1,890	3,270	1,850	1,530	1,660	1,430	1,060	685	479	321
2.....	20,400	2,010	1,890	2,980	2,090	1,530	1,620	1,430	935	635	551	321
3.....	31,300	2,010	3,230	2,800	2,800	1,500	1,700	1,360	875	635	397	305
4.....	12,000	2,530	3,160	2,800	4,740	1,460	1,820	1,400	845	570	373	298
5.....	4,280	3,370	2,350	2,710	9,010	1,500	1,860	1,320	792	575	377	291
6.....	3,150	2,890	2,170	2,440	7,440	1,420	1,900	1,260	765	546	373	291
7.....	2,620	2,350	2,090	2,350	5,070	1,750	3,230	1,290	765	546	377	280
8.....	2,170	2,170	2,010	2,260	4,040	15,600	3,200	1,400	905	538	397	337
9.....	1,930	2,010	2,010	2,170	3,370	10,800	2,520	1,150	1,090	538	456	373
10.....	1,650	1,850	1,890	2,170	3,070	4,830	2,180	1,180	3,250	506	635	377
11.....	1,530	1,770	1,810	2,010	2,710	3,610	2,020	1,120	2,300	461	551	369
12.....	1,530	1,850	1,810	1,890	2,620	3,240	1,980	1,120	1,430	417	413	377
13.....	1,460	1,970	1,770	1,850	2,440	2,880	1,900	1,120	1,060	405	365	438
14.....	1,420	1,970	1,730	2,090	2,530	2,610	1,860	1,150	965	405	345	413
15.....	1,460	2,550	1,730	2,710	2,400	2,440	1,900	1,320	905	405	361	405
16.....	1,360	3,370	1,690	2,890	2,300	2,360	1,780	1,320	905	430	377	452
17.....	1,280	3,070	1,690	2,530	2,150	2,180	1,780	1,150	1,060	470	369	497
18.....	1,250	6,260	1,730	2,440	2,000	2,180	1,740	1,120	2,920	542	369	542
19.....	1,220	9,190	1,970	2,440	1,900	2,270	1,780	2,130	2,160	595	397	506
20.....	1,180	5,680	2,440	2,090	1,890	2,180	1,700	3,060	1,540	575	417	430
21.....	1,140	4,050	2,440	1,970	1,850	2,100	1,620	2,020	1,120	515	405	397
22.....	1,780	3,270	2,090	2,440	1,770	1,980	1,620	1,430	965	466	385	397
23.....	12,700	2,980	2,090	3,170	1,690	1,940	1,620	1,220	875	393	373	409
24.....	5,850	2,890	2,090	2,800	1,690	1,900	1,580	1,090	820	373	365	381
25.....	3,520	2,800	1,970	2,440	1,730	1,860	1,510	1,060	765	397	357	365
26.....	2,620	2,800	1,890	2,170	1,730	1,980	1,470	995	765	405	353	345
27.....	2,260	2,620	1,970	2,010	1,690	1,980	1,470	935	1,020	397	377	325
28.....	1,970	2,530	2,580	2,090	1,610	1,820	1,430	935	1,180	385	393	313
29.....	1,850	2,350	4,080	2,090	-----	1,780	1,430	935	875	401	443	294
30.....	1,850	2,090	4,900	2,090	-----	1,740	1,430	935	710	443	373	280
31.....	2,170	-----	3,870	1,850	-----	1,700	-----	1,120	-----	492	333	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	31,300	1,140	4,390	1.81	2.09
November.....	9,190	1,770	2,980	1.23	1.37
December.....	4,900	1,690	2,290	.946	1.09
January.....	3,270	1,850	2,390	.988	1.14
February.....	9,010	1,610	2,860	1.18	1.23
March.....	15,600	1,420	2,860	1.18	1.36
April.....	3,230	1,430	1,840	.760	.85
May.....	3,060	935	1,310	.541	.62
June.....	3,250	710	1,190	.492	.55
July.....	685	373	489	2.02	.23
August.....	635	333	404	.167	.19
September.....	542	280	371	.153	.17
The year.....	31,300	280	1,940	.802	10.89

ROANOKE RIVER AT RANDOLPH, VA.

LOCATION.—Chain gage at Southern Railway bridge three-fourths mile southwest of Randolph station, Charlotte County, and 1 mile above Roanoke Creek.

DRAINAGE AREA.—3,010 square miles (revised).

RECORDS AVAILABLE.—August, 1900, to August, 1906; October, 1927, to March, 1930 (discontinued).

EXTREMES.—Maximum discharge during year, 32,800 second-feet Oct. 4 (gage height, 28.04 feet); minimum, 1,520 second-feet Oct. 21 (gage height, 5.20 feet).

1900–1906, 1927–1930: Maximum discharge, about 80,000 second-feet Dec. 30, 1901 (gage height, 34.0 feet, old datum); minimum, 590 second-feet Oct. 18, 1904 (gage height, 2.5 feet, old datum).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1-----	8,860	2,800	2,280	3,940	2,350	2,000	16-----	1,790	5,030	2,140	4,260	2,800	2,800
2-----	17,700	2,570	2,210	3,470	2,640	2,000	17-----	1,790	3,940	2,070	3,620	2,640	2,720
3-----	27,100	2,420	4,420	3,240	3,620	1,930	18-----	1,720	4,340	2,070	3,400	2,420	2,640
4-----	32,800	2,800	4,420	3,100	5,920	1,930	19-----	1,650	13,600	2,870	3,700	2,350	2,640
5-----	20,500	3,940	3,240	3,020	13,600	1,860	20-----	1,580	7,820	2,800	3,100	2,350	2,720
6-----	4,500	3,780	2,720	2,800	12,700	1,860	21-----	1,520	4,940	3,020	2,640	2,350	2,500
7-----	3,540	3,100	2,640	2,640	7,950	1,860	22-----	1,790	3,860	2,640	2,940	2,280	2,350
8-----	3,100	2,800	2,570	2,500	5,030	7,310	23-----	10,400	3,400	2,500	4,180	2,210	2,280
9-----	2,640	2,500	2,500	2,500	4,180	22,300	24-----	11,100	3,400	2,570	3,780	2,210	2,280
10-----	2,350	2,350	2,420	2,420	3,700	8,860	25-----	4,850	3,400	2,420	3,170	2,210	2,210
11-----	2,210	2,210	2,280	2,350	3,400	4,500	26-----	3,470	3,320	2,350	2,800	2,210	2,280
12-----	2,070	2,140	2,210	2,280	3,100	4,020	27-----	2,870	3,320	2,500	2,640	2,140	2,210
13-----	2,000	2,280	2,210	2,140	2,870	3,400	28-----	2,570	3,100	2,870	2,720	2,070	2,140
14-----	1,930	2,420	2,210	2,420	3,470	3,100	29-----	2,420	2,800	4,180	2,640	-----	2,000
15-----	1,860	2,570	2,210	4,020	3,020	2,870	30-----	2,210	2,570	5,710	2,500	-----	2,000
							31-----	2,500	-----	4,760	2,350	-----	1,930

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	32,800	1,520	6,040	2.01	2.32
November-----	13,600	2,140	3,650	1.21	1.35
December-----	5,710	2,070	2,840	.944	1.09
January-----	4,260	2,140	3,010	1.00	1.15
February-----	13,600	2,070	3,850	1.28	1.33
March-----	22,300	1,860	3,470	1.15	1.33

ROANOKE RIVER NEAR CLOVER, VA.

LOCATION.—Water-stage recorder $3\frac{1}{2}$ miles below mouth of Roanoke Creek and 6 miles east of Clover, Halifax County.

DRAINAGE AREA.—3,230 square miles.

RECORDS AVAILABLE.—August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during the period, 34,100 second-feet Oct. 4 (gage height, 22.90 feet); minimum, 306 second-feet Sept. 9, 1930 (gage height, 0.76 foot).

REMARKS.—Records good. Discharge estimated Jan. 1–5, 20–26, Apr. 19, 21–23, May 12, June 2–12, Sept. 4.

*Daily and monthly discharge, in second-feet, of Roanoke River near Clover, Va.,
1929-30*

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1929			1929			1929		
1-----		1,560	11-----	1,600	1,240	21-----	1,850	1,330
2-----		1,240	12-----	1,460	1,460	22-----	1,330	1,160
3-----		1,160	13-----	1,560	1,420	23-----	1,240	1,120
4-----		1,080	14-----	1,560	1,200	24-----	1,420	1,080
5-----		1,290	15-----	1,600	1,200	25-----	1,560	1,120
6-----		1,420	16-----	1,650	1,280	26-----	2,400	1,160
7-----		1,200	17-----	1,650	1,160	27-----	1,650	1,200
8-----		1,330	18-----	1,420	1,600	28-----	1,330	1,200
9-----		1,700	19-----	1,700	2,350	29-----	1,280	1,160
10-----		1,380	20-----	2,350	1,650	30-----	2,220	1,550
						31-----	2,050	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1929-30												
1-----	7,210	2,910	2,500	4,200	2,600	2,100	2,050	1,750	1,420	938	638	411
2-----	14,000	2,800	2,470	3,700	2,800	2,150	2,000	1,750	1,250	922	805	401
3-----	22,600	2,600	4,450	3,400	3,720	2,100	2,000	1,700	1,200	915	686	369
4-----	32,400	3,030	4,720	3,200	5,880	2,050	2,200	1,700	1,150	930	538	350
5-----	20,600	4,120	3,600	3,100	10,900	2,000	2,300	1,650	1,050	841	497	324
6-----	5,610	4,120	2,910	2,800	11,200	2,000	2,670	1,560	1,050	834	469	320
7-----	3,900	3,240	2,800	2,700	7,610	2,050	4,450	1,560	1,050	790	458	324
8-----	3,240	2,910	2,700	2,600	5,380	6,840	4,780	1,560	1,200	776	458	313
9-----	2,800	2,700	2,600	2,600	4,400	17,300	3,620	1,650	1,500	734	503	416
10-----	2,500	2,500	2,600	2,500	3,790	10,300	2,800	1,420	4,400	720	619	469
11-----	2,300	2,400	2,450	2,450	3,460	4,750	2,600	1,460	3,100	672	748	497
12-----	2,150	2,300	2,350	2,350	3,130	4,120	2,400	1,460	2,000	638	638	508
13-----	2,050	2,400	2,350	2,250	3,020	3,570	2,300	1,460	1,600	612	497	497
14-----	2,000	2,500	2,350	2,560	3,460	3,240	2,350	1,420	1,330	600	442	580
15-----	1,900	2,820	2,300	4,210	3,240	2,910	2,300	1,510	1,240	606	416	550
16-----	1,800	5,090	2,250	4,560	2,910	2,800	2,250	1,650	1,200	619	416	544
17-----	1,750	4,230	2,200	3,680	2,700	2,700	2,150	1,560	1,200	645	437	606
18-----	1,700	4,750	2,200	3,460	2,500	2,600	2,200	1,420	2,200	762	437	658
19-----	1,600	11,200	2,840	4,010	2,500	2,700	2,200	2,250	3,130	805	458	720
20-----	1,600	8,280	2,910	3,300	2,450	2,700	2,300	3,240	2,200	819	503	658
21-----	1,560	5,280	3,240	2,800	2,450	2,600	2,200	2,910	1,650	762	520	568
22-----	1,790	4,120	2,800	3,100	2,400	2,450	2,100	2,000	1,330	665	497	520
23-----	7,830	3,680	2,600	4,400	2,350	2,350	2,000	1,600	1,200	606	469	508
24-----	10,900	3,570	2,700	4,000	2,300	2,300	1,900	1,460	1,120	556	448	514
25-----	5,480	3,680	2,600	3,400	2,300	2,250	1,380	1,240	1,040	520	448	486
26-----	3,900	3,570	2,500	3,000	2,300	2,400	1,800	1,330	1,000	514	432	458
27-----	3,280	3,570	2,500	2,700	2,300	2,400	1,750	1,280	1,280	526	406	432
28-----	2,910	3,350	3,000	2,800	2,200	2,300	1,750	1,200	1,460	503	427	397
29-----	2,600	3,130	4,260	2,800	-----	2,150	1,750	1,200	1,330	532	480	378
30-----	2,500	2,800	5,470	2,700	-----	2,100	1,750	1,280	1,080	556	538	356
31-----	2,700	-----	4,970	2,600	-----	2,100	-----	1,380	-----	593	469	-----

Month	Maximum	Minimum	Mean	Fe ² square mile	Run-off in inches
1929					
August 11-31-----	2,400	1,240	1,660	0.514	0.40
September-----	2,350	1,080	1,330	.412	.46
1929-30					
October-----	32,400	1,560	5,780	1.79	2.06
November-----	11,200	2,300	3,790	1.17	1.30
December-----	5,470	2,200	2,970	.920	1.06
January-----	4,560	2,250	3,160	.978	1.13
February-----	11,200	2,200	3,790	1.17	1.22
March-----	17,300	2,000	3,430	1.06	1.22
April-----	4,780	1,750	2,360	.781	.82
May-----	3,240	1,200	1,640	.508	.59
June-----	4,400	1,000	1,570	.486	.54
July-----	938	503	694	.215	.25
August-----	805	406	510	.158	.18
September-----	720	313	471	.146	.16
The year-----	32,400	313	2,510	.777	10.53

ROANOKE RIVER AT OLD GASTON, N. C.

LOCATION.—Water-stage recorder at bridge of Roanoke Rapids Railway Co. at Old Gaston, Northampton County, three-fourths mile below Indian Creek.

DRAINAGE AREA.—8,350 square miles.

RECORDS AVAILABLE.—December, 1911, to September, 1930.

EXTREMES.—Maximum discharge during year, 107,000 second-feet Oct. 6 (gauge height, 12.7 feet); minimum, 620 second-feet several times in September (gauge height, 0.7 foot).

1911-1930: Maximum discharge, 210,000 second-feet Mar. 18, 1912 (gauge height, 16.6 feet); minimum discharge, that of September, 1930.

REMARKS.—Records good. Slight diurnal fluctuation caused by operation of power plant several miles upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6,800	5,680	7,100	11,800	6,890	5,480	4,740	4,410	3,480	2,600	1,300	876
2	49,200	6,480	6,270	9,530	7,320	5,290	5,100	4,090	3,540	2,100	1,340	876
3	71,800	6,270	10,800	8,650	9,350	5,100	4,920	4,090	3,240	2,200	1,440	620
4	73,200	8,880	16,800	7,750	16,500	4,920	5,480	4,030	3,150	2,130	1,530	620
5	98,600	13,500	16,200	7,630	26,400	5,100	6,070	3,480	2,660	2,630	1,480	620
6	94,900	12,600	11,600	7,530	32,600	5,100	6,070	3,540	2,550	2,460	1,220	620
7	20,800	11,100	8,880	7,100	27,000	5,100	13,200	3,870	2,830	2,740	1,220	730
8	9,120	8,420	7,970	6,890	18,000	5,480	13,700	3,750	2,660	1,890	1,160	675
9	7,100	7,100	7,530	6,270	12,900	15,200	11,800	3,630	3,480	1,570	1,040	620
10	6,270	6,480	7,100	6,270	10,600	31,300	9,120	3,780	4,920	1,630	2,130	620
11	5,680	5,870	7,100	6,070	9,350	16,600	7,320	3,630	6,680	1,480	2,890	1,020
12	5,100	5,680	6,680	5,870	8,420	10,300	6,270	3,450	6,890	1,440	1,890	1,020
13	4,920	6,270	6,270	5,480	7,970	8,880	5,870	3,180	6,980	1,400	1,630	730
14	4,580	7,580	6,070	5,680	7,970	8,200	5,480	3,270	5,480	1,380	1,440	860
15	4,410	7,580	6,070	8,650	9,880	7,320	5,480	3,780	8,810	1,630	1,160	940
16	4,580	7,580	5,870	16,200	9,590	6,680	5,680	4,030	3,150	1,660	908	1,020
17	4,250	10,100	5,870	16,800	8,200	6,070	5,680	4,250	2,740	1,570	860	1,020
18	4,090	10,100	5,680	15,100	7,530	6,270	5,480	4,030	3,630	1,480	860	1,020
19	3,940	11,400	6,070	15,600	6,890	6,480	5,480	5,870	4,580	2,550	860	860
20	3,940	23,000	7,750	12,900	6,680	7,530	5,870	7,700	7,100	4,090	834	1,020
21	3,750	15,600	8,650	10,600	6,270	7,320	5,680	8,420	6,270	4,030	782	1,020
22	17,000	10,600	8,880	9,350	6,270	6,680	5,100	7,750	4,250	3,360	924	1,020
23	22,600	9,120	7,750	10,100	6,070	6,270	5,100	5,480	3,360	1,910	1,060	1,020
24	24,200	8,420	7,320	11,600	6,070	5,680	5,100	3,970	2,720	1,680	1,000	1,180
25	18,900	8,420	7,750	11,100	5,870	5,680	4,580	3,780	3,330	1,460	988	1,150
26	10,600	9,350	6,890	9,350	6,270	5,680	4,580	3,510	3,840	1,400	892	1,040
27	7,750	10,800	6,480	7,970	5,870	5,680	4,410	2,830	3,210	2,180	860	1,000
28	6,480	10,100	6,890	7,530	5,680	5,680	4,410	3,040	2,950	1,890	834	940
29	5,870	9,120	8,420	7,970	-----	5,480	4,060	2,740	3,630	1,460	769	785
30	5,680	7,970	10,800	7,750	-----	5,290	4,410	2,800	3,180	1,220	860	697
31	5,480	-----	13,400	7,100	-----	4,920	-----	3,060	-----	1,300	940	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	98,600	3,750	19,700	2.36	2.72
November	23,000	5,680	9,360	1.12	1.25
December	16,800	5,680	8,290	.99 ³	1.14
January	16,800	5,480	9,300	1.11	1.28
February	32,600	5,680	10,700	1.28	1.33
March	31,300	4,920	7,640	.915 ⁵	1.05
April	13,700	4,060	6,210	.744 ⁴	.83
May	8,420	2,740	4,180	.50 ¹	.58
June	7,100	2,550	4,010	.480 ⁹	.54
July	4,090	1,220	2,010	.241 ²	.28
August	2,890	769	1,200	.144 ⁷	.17
September	1,800	620	875	.10 ⁸	.1
The year	98,600	620	6,940	.83 ¹	11.29

ROANOKE RIVER AT ROANOKE RAPIDS, N. C.

LOCATION.—Water-stage recorder $1\frac{1}{2}$ miles downstream from State highway crossing at Roanoke Rapids, Halifax County.

DRAINAGE AREA.—8,410 square miles.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 32,100 second-feet Mar. 10 (gage height, 10.95 feet); minimum (estimated), 600 second-feet Sept. 9, 10 (gage height, about 1.56 feet).

REMARKS.—Records good except those estimated, which are fair. Flow regulated by operation of mills at Roanoke Rapids.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		5,420	4,680	4,460	3,300	2,800	1,430	* 900
2		5,420	5,160	4,240	3,500	2,110	1,160	* 850
3		5,160	4,800	4,130	3,200	2,030	1,430	* 650
4		5,040	5,420	4,020	2,900	* 2,250	1,320	* 650
5		5,160	6,110	3,920	2,710	* 2,700	1,510	* 650
6		5,040	6,110	3,600	2,440	* 2,500	1,150	* 650
7		5,040	12,300	3,710	2,620	* 2,800	980	* 700
8		5,690	13,600	3,710	2,710	2,030	1,220	* 700
9		13,000	12,500	3,710	3,070	* 1,650	1,080	* 600
10		22,900	10,000	3,710	4,920	* 1,600	1,510	* 600
11		17,800	7,850	3,500	6,810	* 1,500	3,100	* 1,100
12		11,100	6,530	3,500	6,950	1,340	2,120	* 1,050
13		9,410	6,110	3,100	6,950	1,270	* 1,800	* 750
14		8,450	5,420	3,200	6,110	1,290	* 1,500	* 850
15		7,550	5,420	3,400	4,130	1,510	* 1,250	* 1,000
16		6,950	5,830	3,820	3,300	1,550	1,030	* 1,000
17		6,390	5,690	4,130	2,900	1,500	* 900	* 1,050
18	7,550	6,250	5,550	3,920	3,600	1,390	* 850	* 1,000
19	7,400	6,670	5,550	5,450	4,130	1,960	* 850	* 900
20	6,950	7,550	5,830	7,850	7,100	3,840	* 850	* 1,000
21	6,670	7,850	5,690	8,450	6,810	4,020	* 800	* 1,000
22	6,530	7,100	5,160	8,150	4,350	3,600	* 950	* 1,050
23	6,390	6,530	5,040	5,830	3,600	2,090	1,070	* 1,050
24	6,250	5,970	5,040	4,130	2,800	1,700	* 1,050	1,160
25	5,830	5,550	4,570	3,710	3,100	1,500	* 1,000	1,200
26	6,250	5,830	4,680	3,500	* 3,900	1,320	* 900	1,080
27	5,970	5,690	4,570	2,800	* 3,200	1,860	* 850	1,000
28	5,830	5,830	4,570	2,800	* 3,000	1,960	* 850	940
29		5,550	4,130	2,710	* 3,600	1,600	* 800	880
30		5,290	4,570	2,620	* 3,100	1,140	890	638
31		5,040		3,000		1,150	* 950	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
February 18-28	7,550	5,830	6,510	0.774	0.32
March	22,900	5,040	7,490	.891	1.03
April	13,600	4,130	6,280	.747	.83
May	8,450	2,620	4,150	.493	.57
June	7,100	2,440	4,030	.479	.53
July	4,020	1,140	1,990	.237	.27
August	3,100	800	1,200	.143	.16
September	1,200	600	.888	.106	.12

* Estimated.

BLACKWATER RIVER NEAR UNION HALL, VA.

LOCATION.—Water-stage recorder installed Nov. 22, 1929, at highway bridge at Kemps Ford, 1½ miles above Gills Creek and 4 miles north of Union Hall, Franklin County. Chain gage at same site used prior to Nov. 22.

DRAINAGE AREA.—208 square miles.

RECORDS AVAILABLE.—March, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,680 second-feet Oct. 2 (gage height, 12.70 feet); minimum, 25 second-feet Sept. 3 (gage height, 1.45 feet). 1925–1930: Maximum discharge, 10,800 second-feet Aug. 11, 1928; minimum, 16 second-feet Sept. 23, 1926 (gage height, 1.32 feet).

REMARKS.—Records Oct. 1 to Nov. 21, fair; records good after Nov. 21. Discharge estimated Oct. 7, 8, Nov. 19, 21, July 13, 14.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,960	233	221	267	217	150	165	146	113	85	43	30
2	5,780	229	301	254	241	157	161	143	110	85	41	30
3	1,240	237	344	267	301	153	161	143	104	82	52	27
4	485	272	275	258	468	150	172	139	102	80	46	28
5	436	225	262	237	577	150	169	136	99	77	40	27
6	321	220	229	225	366	150	217	133	99	74	40	27
7	285	178	217	217	305	1,540	340	133	102	72	41	27
8	249	156	212	212	271	2,730	241	129	102	69	74	29
9	212	145	212	212	241	640	204	126	538	64	72	40
10	201	212	204	208	233	412	192	119	225	64	54	33
11	193	178	200	204	217	340	184	119	129	62	46	33
12	182	193	204	192	212	309	180	119	104	62	46	37
13	163	208	196	188	200	271	176	122	102	60	43	40
14	174	250	188	212	204	254	176	126	99	60	41	43
15	174	233	188	233	192	241	176	139	99	60	44	50
16	160	436	188	237	188	221	172	129	96	64	48	40
17	163	237	176	212	180	221	172	122	133	64	48	41
18	152	2,470	176	208	176	208	172	126	271	69	43	46
19	149	1,430	237	204	172	217	172	305	172	72	46	38
20	152	390	284	212	172	204	172	241	122	64	46	37
21	160	330	229	208	169	188	165	157	104	54	44	38
22	2,470	284	208	221	169	188	165	133	96	48	40	40
23	732	284	237	241	165	180	169	122	96	44	40	41
24	390	271	262	212	165	176	161	119	90	48	38	43
25	298	267	229	204	169	176	161	119	90	50	38	44
26	254	262	258	200	169	192	157	116	90	48	37	44
27	229	271	246	188	165	184	153	113	116	41	37	48
28	208	271	309	192	157	172	150	110	122	41	36	50
29	197	254	425	196	-----	172	146	113	93	60	36	52
30	253	241	336	184	-----	169	146	146	90	64	33	52
31	267	-----	292	208	-----	169	-----	136	-----	50	33	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,780	149	590	2.84	3.27
November	2,470	145	362	1.74	1.94
December	425	176	243	1.17	1.35
January	267	184	217	1.04	1.20
February	577	157	231	1.11	1.16
March	2,730	150	345	1.66	1.91
April	340	146	178	.856	.96
May	305	110	138	.663	.76
June	538	90	130	.625	.70
July	86	41	62.5	.300	.35
August	74	33	44.1	.212	.24
September	52	27	38.5	.185	.21
The year	5,780	27	215	1.03	14.05

PIGG RIVER NEAR TOSHES, VA.

LOCATION.—Water-stage recorder 1.7 miles northwest of Toshes, Pittsylvania County, and four-tenths mile below Fryngpan Creek.

DRAINAGE AREA.—394 square miles.

RECORDS AVAILABLE.—August and September, 1930.

EXTREMES.—Maximum discharge during period, 314 second-feet Sept. 17 (gage height, 3.78 feet); minimum, 38 second-feet Sept. 6 (gage height, 2.27 feet).

REMARKS.—Records excellent.

Daily and monthly discharge, in second-feet, 1930

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1.....		63	11.....		69	21.....		92
2.....		55	12.....		78	22.....		92
3.....		61	13.....		79	23.....		81
4.....		56	14.....		69	24.....	75	79
5.....		45	15.....		100	25.....	67	76
6.....		55	16.....		68	26.....	74	69
7.....		69	17.....		189	27.....	86	74
8.....		61	18.....		116	28.....	82	62
9.....		80	19.....		81	29.....	66	62
10.....		69	20.....		89	30.....	75	63
						31.....	58	---

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
Aug. 24-31.....	86	58	72.9	0.185	0.06
September.....	189	45	76.7	.195	.22

OTTER RIVER NEAR ALTAVISTA, VA.

LOCATION.—Water-stage recorder installed Aug. 23, 1930, 1¼ miles below Flat Creek and 6 miles north of Altavista, Campbell County. Staff gage at same site used prior to Aug. 23.

DRAINAGE AREA.—372 square miles.

RECORDS AVAILABLE.—August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, about 7,140 second-feet Oct. 2 (gage height, 21.20 feet); minimum, 32 second-feet Sept. 5 (gage height, 1.84 feet).

1929-30: Maximum discharge, that of Oct. 2, 1929; minimum, that of Sept. 5, 1930.

REMARKS.—Records good except those above 2,000 second-feet, which are fair. Discharge estimated Oct. 6-8, 12-21.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,100	317	317	473	402	245	280	228	156	112	38	43
2.....	6,650	317	657	449	425	245	280	228	156	112	38	43
3.....	4,250	473	498	449	449	245	280	245	149	112	38	38
4.....	2,450	657	358	425	1,030	228	317	228	149	112	38	37
5.....	1,530	380	337	402	1,390	228	280	228	149	112	38	34
6.....	960	358	298	402	1,100	212	317	228	149	98	38	36
7.....	750	245	280	337	657	1,030	714	228	156	98	38	38
8.....	600	280	317	317	498	6,610	358	228	156	87	38	36
9.....	498	298	298	298	298	1,610	317	228	188	74	38	65
10.....	402	280	280	280	298	965	280	228	1,100	74	38	61
11.....	317	280	280	280	280	932	280	228	298	74	36	59
12.....	280	280	262	262	280	657	280	228	212	74	36	58
13.....	270	298	262	245	280	602	280	212	245	74	36	54
14.....	260	262	262	498	280	473	280	228	142	74	36	72
15.....	260	714	245	449	280	449	280	245	142	74	46	71
16.....	260	358	245	473	449	425	245	172	142	74	43	55
17.....	260	298	245	402	449	402	280	172	142	74	41	98
18.....	250	2,760	358	425	358	402	262	172	805	87	44	77
19.....	250	836	449	358	337	402	280	449	298	74	52	53
20.....	250	498	402	298	402	358	280	358	262	74	48	54
21.....	270	449	358	317	358	337	280	317	156	68	46	59
22.....	1,240	402	337	714	317	337	245	280	142	68	44	54
23.....	523	358	337	657	280	337	245	280	126	68	49	50
24.....	337	449	317	498	262	317	245	245	126	68	50	45
25.....	280	380	317	402	245	317	245	212	112	62	44	44
26.....	262	425	317	402	245	317	262	212	126	62	44	40
27.....	280	402	317	402	245	298	245	180	380	62	76	37
28.....	337	380	402	1,240	245	280	228	172	317	62	119	35
29.....	358	358	744	1,910	-----	280	228	172	126	62	66	35
30.....	298	337	549	1,910	-----	280	228	180	126	74	52	38
31.....	358	-----	498	473	-----	280	-----	172	-----	56	46	-----
Month	Maximum			Minimum			Mean			Per square mile	Run-off in inches	
October.....	6,650			250			851			2.29	2.64	
November.....	2,760			245			471			1.27	1.42	
December.....	744			245			359			.965	1.11	
January.....	1,910			245			531			1.43	1.65	
February.....	1,390			245			434			1.17	1.22	
March.....	6,610			212			648			1.74	2.01	
April.....	714			228			287			.772	.86	
May.....	449			172			232			.62	.72	
June.....	1,100			112			231			.62	.69	
July.....	112			56			79.2			.213	.25	
August.....	119			36			46.3			.12	.14	
September.....	98			34			50.6			.13	.15	
The year.....	6,650			34			352			.946	12.86	

FALLING RIVER NEAR NARUNA, VA.

LOCATION.—Chain gage at highway bridge 2 miles above junction with Little Falling River and $2\frac{1}{2}$ miles northeast of Naruna, Campbell County.

DRAINAGE AREA.—172 square miles.

RECORDS AVAILABLE.—July, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 2,880 second-feet Oct. 2 (gage height, 11.53 feet); minimum, 14 second-feet Sept. 21, 23 (gage height, 2.30 feet).

1929-30: Maximum discharge, that of Oct. 2, 1929; minimum, that of Sept. 21, 23, 1930.

REMARKS.—Records good. Discharge estimated Jan. 30.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	328	98	84	142	169	96	86	77	46	53	26	17
2.....	2,660	102	236	132	158	84	86	71	44	46	86	17
3.....	325	86	251	130	221	77	90	81	44	82	28	18
4.....	168	265	153	112	791	86	123	67	38	51	29	19
5.....	130	135	128	99	759	92	94	71	42	46	24	20
6.....	121	102	128	105	266	191	130	65	35	43	25	21
7.....	104	100	126	128	251	185	221	62	39	46	26	19
8.....	102	96	135	105	251	1,110	130	60	54	39	32	15
9.....	90	94	112	99	166	251	110	56	206	39	30	29
10.....	84	86	99	107	160	150	105	60	206	37	26	49
11.....	90	88	96	96	126	147	96	53	115	33	20	27
12.....	88	73	99	110	137	145	103	53	86	32	27	25
13.....	84	106	88	128	153	130	96	57	68	32	29	25
14.....	65	100	105	163	147	128	94	54	56	41	26	30
15.....	79	571	99	236	137	123	94	116	48	65	24	25
16.....	77	206	103	206	135	114	94	68	51	31	26	24
17.....	82	150	103	142	112	112	135	59	98	33	26	34
18.....	75	1,180	158	221	101	103	103	51	150	54	28	26
19.....	79	266	180	206	116	121	86	160	135	51	25	25
20.....	75	163	121	155	114	107	90	107	72	33	27	30
21.....	106	140	114	163	107	107	84	57	62	33	20	18
22.....	140	123	103	439	92	92	86	51	52	32	22	23
23.....	126	132	123	344	105	99	86	43	46	27	23	16
24.....	92	140	119	221	114	94	81	44	43	37	21	22
25.....	75	137	110	191	112	105	75	44	43	27	20	20
26.....	59	142	128	142	116	105	77	49	119	30	20	18
27.....	75	155	119	169	107	92	81	47	100	29	19	21
28.....	77	107	251	163	86	105	73	47	48	31	19	20
29.....	86	101	391	147	-----	94	82	53	47	42	26	17
30.....	102	103	206	160	-----	90	79	60	45	29	25	19
31.....	110	-----	169	171	-----	84	-----	51	-----	27	21	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	2,660	65	192	1.12	1.29
November.....	1,180	73	178	1.03	1.15
December.....	391	84	143	.831	.96
January.....	439	96	166	.965	1.11
February.....	791	86	190	1.10	1.14
March.....	1,110	77	149	.866	1.00
April.....	221	73	99.0	.576	.64
May.....	160	43	64.3	.374	.43
June.....	206	35	74.6	.434	.48
July.....	82	27	39.7	.231	.27
August.....	86	19	26.6	.155	.18
September.....	49	15	22.9	.133	.15
The year.....	2,660	15	112	.651	8.80

LITTLE FALLING RIVER AT HAT CREEK, VA.

LOCATION.—Chain gage at highway bridge 1 mile northwest of Hat Creek, Campbell County, and 1 mile above junction with Falling River.

DRAINAGE AREA.—43 square miles.

RECORDS AVAILABLE.—July, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 428 second-feet Oct. 2 (gage height, 6.90 feet); minimum, 1 second-foot Aug. 30, 31, Sept. 1, 25 (gage height, 2.24 feet).

1929-30: Maximum discharge, that of Oct. 2, 1929; minimum, that of Aug. 30, 31, Sept. 1, 25, 1930.

REMARKS.—Records fair. Discharge estimated Jan. 30, May 18, July 4, 13, 20, 27, Aug. 17, 24, Sept. 4-8, 14, 28.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	41	13	35	25	39	23	21	20	14	18	15	1
2.....	406	13	114	26	43	19	21	18	12	18	19	2
3.....	45	13	50	26	54	19	21	18	12	19	13	4
4.....	31	158	25	25	287	21	26	16	14	18	14	2
5.....	20	25	25	25	130	19	21	15	12	16	5	2
6.....	22	22	21	21	70	19	94	16	12	15	14	2
7.....	18	19	25	20	52	86	66	16	12	16	5	2
8.....	16	19	25	21	42	142	35	16	12	15	7	2
9.....	14	19	22	21	35	47	26	16	14	13	7	4
10.....	16	16	23	20	27	40	19	16	48	13	7	2
11.....	13	17	21	21	30	35	23	15	13	13	7	4
12.....	20	17	28	18	26	31	23	20	18	15	4	2
13.....	13	22	18	21	30	26	23	14	13	14	2	4
14.....	12	17	21	114	42	28	23	15	13	13	2	3
15.....	14	240	20	58	31	26	21	18	12	12	4	2
16.....	13	50	20	58	28	26	16	15	12	13	11	2
17.....	12	32	20	40	28	33	23	14	13	*3	12	2
18.....	11	98	30	82	24	26	23	15	26	15	14	2
19.....	10	37	25	46	24	30	26	118	24	15	5	2
20.....	10	25	21	37	24	23	19	31	13	12	5	11
21.....	17	23	21	36	24	24	21	23	13	10	2	2
22.....	30	25	21	114	24	24	21	14	13	9	2	2
23.....	13	25	28	58	24	19	19	18	10	9	4	2
24.....	13	26	28	46	26	20	19	18	10	9	8	2
25.....	16	33	39	37	24	21	20	14	10	9	11	1
26.....	11	32	40	36	24	24	20	14	13	7	8	2
27.....	11	33	28	32	23	21	18	16	37	8	2	2
28.....	11	23	42	39	23	21	18	14	21	12	2	2
29.....	11	20	58	32	-----	21	20	14	21	19	8	2
30.....	22	18	39	34	-----	21	21	20	18	13	1	2
31.....	16	-----	33	37	-----	-----	-----	15	-----	19	1	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	406	10	29.9	0.695	0.80
November.....	240	13	37.7	.877	.98
December.....	114	18	31.2	.726	.84
January.....	114	18	39.5	.919	1.06
February.....	287	23	44.9	1.04	1.08
March.....	142	19	30.8	.716	.83
April.....	94	16	25.6	.595	.66
May.....	118	14	20.1	.467	.54
June.....	48	10	16.2	.377	.42
July.....	19	7	13.5	.314	.36
August.....	19	1	7.1	.165	.19
September.....	11	1	2.5	.058	.06
The year.....	406	1	24.8	.577	7.82

DAN RIVER NEAR FRANCISCO, N. C.

LOCATION.—Water-stage recorder installed Nov. 16, 1929, at county highway bridge just below Georges Mill, 3 miles east of Francisco, Stokes County, and 7.9 miles below Little River. Chain gage at same location used prior to Nov. 16.

DRAINAGE AREA.—119 square miles.

RECORDS AVAILABLE.—August, 1924, to September, 1930.

EXTREMES.—Maximum discharge during year, 5,060 second-feet Oct. 2 (gage height, 7.10 feet); minimum, 13 second-feet July 27 (gage height, 0.60 foot).
1924-1930: Maximum discharge (estimated), 8,700 second-feet Dec. 8, 1924 (gage height, 10.0 feet); minimum, that of July 27, 1930.

REMARKS.—Records good below and fair above 1,500 second-feet. Slight diurnal fluctuation caused by operation of gristmills during low water.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	360	200	209	231	191	161	174	141	10'	75	51	34
2.....	3,040	222	316	225	194	161	174	146	100	73	58	32
3.....	725	225	302	278	212	151	183	148	9'	69	48	31
4.....	399	264	222	244	349	148	188	138	9'	66	50	31
5.....	206	228	225	225	383	156	171	134	90	66	42	32
6.....	183	194	212	215	274	161	244	134	9'	64	43	38
7.....	156	186	206	215	241	957	281	131	10'	61	99	46
8.....	156	1.3	212	215	222	998	203	129	10'	58	107	43
9.....	153	166	203	209	209	383	183	151	167	56	75	39
10.....	146	169	197	200	200	306	174	141	129	54	61	40
11.....	143	188	197	194	194	281	174	129	10'	53	50	43
12.....	138	215	191	191	191	260	169	129	9'	53	42	43
13.....	141	212	188	191	194	234	169	131	9'	51	43	76
14.....	134	274	188	212	197	222	203	134	117	58	44	114
15.....	131	320	188	244	188	215	180	131	10'	59	56	48
16.....	129	274	183	234	177	209	171	124	9'	66	54	54
17.....	131	279	180	206	169	206	166	120	32'	68	48	103
18.....	124	896	203	209	177	212	171	120	23'	68	58	56
19.....	124	399	476	188	177	244	171	225	148	64	64	53
20.....	124	316	320	183	171	225	161	166	120	51	54	56
21.....	143	278	237	203	171	203	161	134	10'	47	47	71
22.....	2,500	254	237	212	169	197	161	120	9'	43	48	61
23.....	590	250	244	206	171	194	156	115	9'	43	50	50
24.....	349	244	212	186	174	194	151	109	8'	45	48	47
25.....	298	231	225	180	169	203	148	106	8'	44	44	53
26.....	237	231	218	171	166	212	148	102	8'	44	42	56
27.....	228	241	206	194	161	191	148	100	9'	39	44	47
28.....	206	223	231	188	158	186	146	102	8'	56	43	42
29.....	218	209	278	188	-----	183	146	104	8'	69	40	40
30.....	237	188	244	187	-----	177	143	156	7'	64	38	39
31.....	218	-----	234	191	-----	174	-----	122	-----	50	32	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	3,040	124	389	3.27	3.77
November.....	896	166	259	2.18	2.43
December.....	476	180	232	1.95	2.25
January.....	278	171	207	1.74	2.01
February.....	383	158	202	1.70	1.77
March.....	998	148	268	2.17	2.50
April.....	281	143	174	1.46	1.63
May.....	225	100	131	1.10	1.27
June.....	321	78	114	.958	1.07
July.....	75	39	57.3	.482	.56
August.....	107	32	52.4	.440	.51
September.....	114	31	50.6	.425	.47
The year.....	3,040	31	177	1.49	20.24

DAN RIVER AT LEAKSVILLE, N. C.

LOCATION.—Water-stage recorder installed Oct. 24, 1929, at covered wagon bridge half a mile upstream from Smith River at Leaksville, Rockingham County. Prior to Oct. 24 a staff gage at same location was used.

DRAINAGE AREA.—1,150 square miles.

RECORDS AVAILABLE.—July, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 18,500 second-feet Oct. 2 (gage height, 21.4 feet); minimum, 89 second-feet Sept. 5 (gage height, 0.28 foot). 1929-30: Maximum discharge, that of Oct. 2, 1929; minimum, that of Sept. 5, 1930.

REMARKS.—Records good. Diurnal regulation present from operation of power plants.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	11,000	1,110	955	1,400	1,080	955	895	775	703	420	290	119
2.....	17,300	1,050	1,470	1,340	1,240	925	895	757	518	330	223	156
3.....	16,900	1,020	3,640	1,370	1,960	895	895	775	545	335	234	144
4.....	3,000	1,410	2,030	1,540	3,620	955	925	805	496	290	234	144
5.....	1,890	1,640	1,470	1,310	5,890	895	895	715	496	312	237	125
6.....	1,580	1,240	1,400	1,180	2,600	895	1,050	763	490	312	248	144
7.....	1,310	1,110	1,210	1,140	1,890	925	2,180	715	512	312	489	156
8.....	1,210	1,050	1,210	1,110	1,640	7,800	1,440	745	769	335	1,100	340
9.....	1,180	985	1,210	1,080	1,440	3,020	1,110	703	703	299	702	385
10.....	1,020	955	1,110	1,050	1,310	1,820	1,020	685	721	286	375	273
11.....	1,020	955	1,080	1,020	1,280	1,500	955	727	835	269	335	209
12.....	1,020	955	1,050	955	1,180	1,400	955	667	600	256	290	219
13.....	865	1,560	1,020	985	1,140	1,240	925	685	528	216	230	280
14.....	1,310	1,440	1,020	1,280	1,470	1,180	925	673	490	219	241	340
15.....	955	2,100	1,020	2,080	1,400	1,080	1,020	739	545	370	206	596
16.....	805	1,820	985	2,680	1,210	1,080	925	763	490	345	248	385
17.....	638	1,470	985	1,680	1,110	1,050	895	650	578	365	252	237
18.....	540	5,770	1,050	1,470	1,110	1,080	895	661	1,700	440	237	408
19.....	895	3,340	1,540	1,470	1,080	1,240	925	865	1,010	468	290	385
20.....	895	2,030	2,030	1,280	1,050	1,310	955	1,020	655	390	290	685
21.....	1,210	1,610	1,400	1,180	1,050	1,110	835	805	572	308	294	440
22.....	4,320	1,400	1,180	1,340	1,020	1,050	895	655	534	317	252	345
23.....	6,140	1,340	1,240	1,400	985	1,020	865	600	425	290	230	385
24.....	1,960	1,370	1,280	1,340	985	955	805	556	534	479	219	269
25.....	1,400	1,370	1,110	1,210	1,050	1,050	805	589	425	299	191	256
26.....	1,210	1,340	1,140	1,080	985	1,050	775	496	400	290	244	261
27.....	1,080	1,470	1,140	1,080	955	985	775	562	385	197	209	248
28.....	1,020	1,340	1,280	1,110	955	925	775	545	430	185	197	299
29.....	985	1,210	2,220	1,080	-----	925	835	550	385	512	185	197
30.....	1,080	1,110	2,030	1,020	-----	925	775	655	360	440	197	206
31.....	1,240	-----	1,610	1,020	-----	865	-----	727	-----	326	174	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	17,300	540	2,810	2.44	2.81
November.....	5,770	955	1,550	1.35	1.51
December.....	3,640	985	1,390	1.21	1.40
January.....	2,680	985	1,300	1.13	1.30
February.....	5,890	955	1,520	1.32	1.38
March.....	7,800	865	1,960	1.18	1.36
April.....	2,180	775	961	.836	.98
May.....	1,020	496	698	.607	.70
June.....	1,700	360	504	.517	.58
July.....	512	185	329	.286	.33
August.....	1,100	174	295	.257	.30
September.....	685	125	286	.249	.28
The year.....	17,300	125	1,090	.948	12.88

DAN RIVER AT SOUTH BOSTON, VA.

LOCATION.—Water-stage recorder at Norfolk & Western Railway bridge at South Boston, Halifax County, 6 miles upstream from mouth of Banister River.

DRAINAGE AREA.—2,730 square miles (revised).

RECORDS AVAILABLE.—August, 1900, to May, 1907; April, 1923, to September, 1930.

EXTREMES.—Maximum discharge during year, 34,700 second-feet Oct. 4 (gage height, 27.03 feet); minimum, 212 second-feet Sept. 5 (gage height, 2.73 feet). 1900-1907, 1923-1930: Maximum discharge, 52,600 second-feet Dec. 31, 1901 (gage height, 25.2 feet, old datum); minimum, that of Sept. 5, 1930.

REMARKS.—Records good except those for estimated period Jan. 7 to Mar. 10, which are fair. Water supply for South Boston diverted just above gage. Dams and mills at Danville regulate low-water flow to some extent.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,310	2,640	2,320	3,540	2,400	1,910	1,930	1,580	1,370	810	690	375
2.....	19,100	2,800	2,320	3,040	2,700	1,910	1,860	1,580	1,310	810	610	450
3.....	29,200	2,080	6,120	2,880	3,400	1,850	1,930	1,510	1,190	1,010	570	390
4.....	34,200	2,760	8,400	2,800	6,900	1,850	2,080	1,370	1,010	1,370	450	390
5.....	27,800	4,080	4,680	2,880	11,800	1,800	2,080	1,370	960	810	540	262
6.....	5,060	3,900	3,280	2,720	12,700	1,800	2,480	1,580	960	650	540	300
7.....	3,450	2,880	3,040	2,550	9,900	1,800	3,540	1,440	960	540	510	300
8.....	2,880	2,400	2,800	2,370	7,200	2,200	4,620	1,510	1,070	610	1,050	288
9.....	2,400	2,240	2,720	2,370	4,800	8,400	3,280	1,440	1,930	610	2,640	390
10.....	2,160	2,160	2,560	2,300	3,700	5,000	2,640	1,440	2,560	610	1,540	360
11.....	2,080	1,790	2,400	2,180	3,300	3,720	2,240	1,250	2,560	610	910	610
12.....	2,000	1,930	2,160	2,080	3,000	3,120	2,240	1,250	1,790	540	810	510
13.....	1,720	2,240	2,080	1,950	2,700	2,880	1,930	1,310	1,580	480	650	450
14.....	1,790	3,120	2,240	3,300	3,000	2,640	2,080	1,310	1,190	450	540	540
15.....	1,720	2,880	2,160	5,900	3,700	2,480	2,160	1,790	960	510	540	390
16.....	1,720	3,720	1,930	8,000	3,300	2,240	2,240	1,790	810	540	540	610
17.....	1,650	4,080	1,930	4,700	3,100	2,320	2,080	1,650	1,190	540	510	690
18.....	1,580	3,390	2,000	4,000	2,800	2,320	2,000	1,310	2,160	1,010	450	570
19.....	1,580	10,600	2,880	4,400	2,600	2,800	2,000	1,580	2,880	1,650	510	510
20.....	1,510	6,220	3,120	3,900	2,350	2,800	1,930	2,160	2,560	860	570	727
21.....	1,510	3,810	3,810	3,550	2,170	2,720	1,930	2,480	1,580	610	650	610
22.....	1,860	3,040	2,800	3,800	2,170	2,480	1,860	1,790	1,190	730	570	730
23.....	9,980	2,960	2,640	4,300	2,170	2,160	1,930	1,440	860	610	570	730
24.....	7,780	2,880	2,720	3,900	2,170	2,240	1,860	1,310	1,130	570	540	610
25.....	3,840	3,200	2,560	3,450	2,170	2,080	1,650	1,130	910	690	480	610
26.....	2,880	3,120	2,320	3,000	2,170	2,240	1,650	910	860	910	510	570
27.....	2,280	3,360	2,400	2,800	2,050	2,240	1,510	1,190	1,130	690	510	450
28.....	2,240	3,200	2,960	2,900	2,000	2,080	1,580	1,010	1,130	480	480	450
29.....	2,000	2,720	4,170	2,750	-----	2,000	1,720	1,070	1,010	610	510	390
30.....	2,000	2,560	5,610	2,550	-----	1,790	1,650	1,130	730	570	480	510
31.....	2,080	-----	4,350	2,400	-----	1,930	-----	1,370	-----	690	450	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	34,200	1,510	5,950	2.18	2.51
November.....	10,600	1,790	3,290	1.21	1.35
December.....	8,400	1,930	3,140	1.15	1.33
January.....	8,000	1,950	3,330	1.22	1.41
February.....	12,700	2,000	4,020	1.47	1.53
March.....	8,400	1,790	2,570	.941	1.08
April.....	4,620	1,510	2,160	.791	.88
May.....	2,480	910	1,450	.531	.61
June.....	2,880	730	1,380	.505	.56
July.....	1,650	450	715	.262	.30
August.....	2,640	450	675	.247	.28
September.....	730	262	492	.180	.20
The year.....	34,200	262	2,420	.886	12.04

MAYO RIVER NEAR PRICE, N. C.

LOCATION.—Water-stage recorder installed Oct. 29, 1929, just below Anglins Bridge, three-fourths mile downstream from State line and 4 miles west of Price, Rockingham County. Staff gage at same location used prior to Oct. 29.

DRAINAGE AREA.—260 square miles.

RECORDS AVAILABLE.—July, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year (estimated), 15,900 second-feet Oct. 2 (gage height, 10.2 feet); minimum, 49 second-feet Sept. 4 (gage height, 0.56 foot).

1929-30: Maximum discharge, that of Oct. 2, 1929; minimum, that of Sept. 4, 1930.

REMARKS.—Records good except those for estimated days, which are fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	1,910	354	318	386	345	272	268	234	172	126	* 85	* 56
2-----	10,900	354	520	372	345	276	272	234	167	120	84	* 53
3-----	1,110	354	582	415	445	268	280	242	162	116	87	* 51
4-----	686	558	420	377	1,090	264	293	234	155	112	* 82	56
5-----	582	435	377	354	898	264	268	217	150	110	84	59
6-----	* 482	377	367	345	532	264	433	217	158	112	* 84	67
7-----	391	354	354	336	450	592	464	217	175	106	160	72
8-----	354	336	358	332	410	1,390	336	207	165	102	192	80
9-----	340	332	345	332	377	582	306	207	170	101	120	74
10-----	336	323	332	323	363	450	293	203	328	102	99	72
11-----	323	314	327	314	345	415	293	200	183	101	* 88	75
12-----	310	332	318	306	340	382	289	200	167	101	* 84	73
13-----	* 301	410	310	306	336	350	285	203	162	101	* 81	74
14-----	297	367	310	363	350	336	314	207	183	101	* 84	170
15-----	289	445	306	425	332	332	293	217	165	104	88	92
16-----	276	425	306	425	327	323	285	200	158	108	90	* 85
17-----	264	400	301	358	314	323	276	197	307	118	* 88	146
18-----	261	1,230	340	358	314	323	276	192	568	137	* 85	97
19-----	257	656	521	350	314	377	276	289	220	116	97	93
20-----	* 257	510	430	332	297	332	268	249	186	108	93	110
21-----	264	445	367	332	289	310	264	200	172	101	* 88	106
22-----	1,840	410	358	354	289	301	272	192	162	* 99	85	90
23-----	576	415	391	345	285	297	257	186	153	* 97	90	92
24-----	440	405	363	332	297	297	257	180	148	* 95	* 88	87
25-----	377	400	350	323	293	310	253	178	141	92	* 82	81
26-----	350	396	358	314	285	318	253	172	139	* 87	* 77	92
27-----	* 306	386	336	314	280	289	249	172	146	* 88	* 73	77
28-----	350	396	411	327	272	276	249	170	137	* 84	* 68	* 74
29-----	332	350	576	314	-----	280	238	165	133	95	62	* 70
30-----	420	332	450	310	-----	272	234	217	128	93	* 60	75
31-----	377	-----	410	332	-----	272	-----	197	-----	* 88	* 58	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	10,900	257	824	3.17	3.66
November-----	1,230	314	427	1.64	1.83
December-----	582	301	381	1.47	1.70
January-----	425	306	345	1.33	1.53
February-----	1,090	272	386	1.48	1.54
March-----	1,390	264	366	1.41	1.63
April-----	464	234	286	1.10	1.23
May-----	289	165	206	.792	.91
June-----	568	128	185	.712	.79
July-----	137	84	104	.400	.46
August-----	192	58	89.9	.346	.40
September-----	170	51	83.3	.32	.36
The year-----	10,900	51	307	1.18	16.04

* Estimated.

NORTH MAYO RIVER NEAR SPENCER, VA.

LOCATION.—Chain gage at highway bridge at Moores Mill, 4 miles southeast of Spencer, Henry County.

DRAINAGE AREA.—108 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during period, about 3,700 second-feet Oct. 2, 1929 (gage height, 8.08 feet); minimum, 19 second-feet Sept. 2-5, 1930 (gage height, 2.12 feet).

REMARKS.—Records good. Discharge estimated Mar. 31, 1930.

Daily discharge, in second-feet, 1928-1930

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1928-29												
1-----		98	94	92	83	288	100	174	141	138	100	92
2-----		98	96	90	66	189	96	423	124	144	112	83
3-----		98	105	90	70	134	98	288	166	126	114	81
4-----		100	96	92	68	270	94	198	144	114	110	88
5-----		96	92	94	75	755	100	168	134	105	96	92
6-----		98	92	198	90	220	100	160	124	96	90	85
7-----		98	94	114	220	119	96	138	112	96	92	100
8-----		98	88	96	201	98	98	138	136	100	171	90
9-----		98	96	92	183	96	96	138	532	119	141	90
10-----		98	92	114	177	124	96	128	444	110	116	77
11-----		92	92	114	146	114	144	119	403	110	100	96
12-----		94	94	96	131	98	119	114	270	270	180	75
13-----	94	92	90	92	100	126	110	105	160	509	134	77
14-----	96	96	105	92	96	152	114	100	136	487	103	83
15-----	119	96	124	92	96	220	124	141	119	325	98	72
16-----	112	96	100	92	119	220	344	112	128	270	88	79
17-----	116	98	100	98	119	160	189	114	131	160	88	198
18-----	110	96	96	100	100	136	157	98	118	138	100	105
19-----	107	100	96	88	90	126	126	126	110	306	152	81
20-----	114	100	96	88	98	114	119	152	100	174	105	79
21-----	105	98	88	92	119	114	126	189	96	146	96	79
22-----	121	96	90	92	126	189	121	168	100	126	88	73
23-----	128	92	88	92	134	555	114	144	146	116	121	79
24-----	126	96	88	92	112	555	114	134	236	110	112	83
25-----	107	92	88	100	121	306	105	141	344	100	325	83
26-----	103	96	88	96	236	141	98	136	306	105	110	88
27-----	103	85	88	96	325	126	100	121	270	110	90	79
28-----	98	94	88	96	1, 170	134	532	126	288	100	94	68
29-----	98	98	92	81	-----	126	403	136	236	92	103	72
30-----	98	92	88	83	-----	119	236	152	171	107	92	72
31-----	98	-----	83	88	-----	114	-----	174	-----	114	83	-----

Daily discharge, in second-feet, of North Mayo River near Spencer, Va., 1928-1930—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1928-30												
1.....	870	126	100	144	152	98	92	83	61	43	24	22
2.....	3, 110	114	114	134	166	96	90	92	61	41	24	20
3.....	364	119	403	146	174	98	103	96	58	40	26	20
4.....	186	344	183	128	325	100	100	79	58	40	26	20
5.....	163	128	146	119	288	96	100	79	61	40	33	20
6.....	136	119	114	110	177	98	204	64	75	40	43	21
7.....	124	110	105	107	166	138	160	70	72	40	103	36
8.....	114	100	94	105	149	444	105	72	61	37	94	35
9.....	110	96	107	110	138	220	96	73	66	37	48	48
10.....	100	96	105	100	128	157	96	68	83	35	35	33
11.....	96	100	105	96	119	144	98	61	55	35	28	28
12.....	96	116	96	96	114	134	98	58	58	32	24	24
13.....	96	128	96	96	105	124	107	58	58	31	24	24
14.....	88	124	96	144	100	114	138	72	61	33	28	51
15.....	88	146	100	189	96	105	126	72	59	35	26	28
16.....	85	138	100	144	100	119	114	72	52	33	26	26
17.....	92	134	96	126	100	105	105	64	81	36	24	42
18.....	88	487	119	149	96	96	98	64	168	52	32	43
19.....	83	403	195	126	96	121	103	134	134	44	30	35
20.....	83	364	154	103	96	124	96	103	110	40	26	128
21.....	88	154	128	103	100	119	96	77	83	35	26	31
22.....	870	128	114	119	92	107	96	61	66	35	28	28
23.....	288	119	110	110	110	96	92	56	68	52	26	30
24.....	136	134	121	100	105	100	96	55	61	45	24	30
25.....	121	144	126	96	96	114	92	68	51	46	24	29
26.....	110	134	126	100	96	105	96	61	51	44	24	28
27.....	105	124	124	105	96	96	96	59	61	40	23	26
28.....	105	114	134	110	96	100	88	58	55	32	22	26
29.....	128	105	220	105	-----	96	88	58	53	33	22	24
30.....	180	96	253	116	-----	96	88	58	46	30	22	24
31.....	126	-----	163	138	-----	94	-----	58	-----	26	22	-----

Monthly discharge, in second-feet, of North Mayo River near Spencer, Va., 1928-1930

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1928-29					
October 13-31.....	128	94	108	1.00	0.71
November.....	100	85	96	.889	.99
December.....	124	83	93.8	.869	1.00
January.....	198	81	97.8	.906	1.04
February.....	1, 170	66	167	1.55	1.61
March.....	755	96	201	1.86	2.14
April.....	532	94	149	1.38	1.54
May.....	423	98	153	1.42	1.64
June.....	532	96	198	1.83	2.04
July.....	509	92	165	1.53	1.76
August.....	325	83	116	1.07	1.23
September.....	198	68	86.6	.80?	.89
1929-30					
October.....	3, 110	83	272	2.52	2.90
November.....	487	96	158	1.46	1.63
December.....	403	94	137	1.27	1.46
January.....	189	96	119	1.10	1.27
February.....	325	92	131	1.21	1.26
March.....	444	84	124	1.15	1.33
April.....	204	98	105	.972	1.08
May.....	134	55	71.1	.658	.76
June.....	168	46	69.6	.644	.72
July.....	52	26	38.1	.353	.41
August.....	108	22	31.8	.29	.34
September.....	128	20	32.7	.30?	.34
The year.....	3, 110	20	107	.99	13.50

SMITH RIVER AT MARTINSVILLE, VA.

LOCATION.—Water-stage recorder 2 miles south of Martinsville, Henry County, and 3 miles below Grassy Creek.

DRAINAGE AREA.—374 square miles.

RECORDS AVAILABLE.—August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, about 15,200 second-feet Oct. 2 (gauge height, 12.27 feet); minimum, 7 second-feet Aug. 27 (gauge height, 1.29 feet).

1929-30: Maximum discharge, that of Oct. 2, 1929; minimum, that of Aug. 27, 1930.

REMARKS.—Records excellent except those above 3,000 second-feet, which may be in error. Flow partly regulated by small dam and power plant 1,000 feet above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,490	484	322	518	403	306	338	294	218	160	98	199
2.....	9,240	485	588	486	446	290	348	306	228	160	119	215
3.....	1,760	495	740	526	566	334	343	294	210	116	51	174
4.....	834	728	484	476	996	310	374	280	218	152	134	225
5.....	648	584	461	420	1,180	314	334	270	202	138	106	270
6.....	550	492	434	419	718	318	601	268	197	142	102	227
7.....	447	450	418	404	576	1,780	788	409	226	123	196	155
8.....	414	432	419	388	506	4,100	488	310	200	136	373	170
9.....	382	412	403	394	453	1,046	410	255	282	120	161	144
10.....	350	398	385	372	444	722	399	273	365	117	116	144
11.....	352	382	382	370	410	619	355	234	250	124	118	165
12.....	345	412	370	362	396	561	362	296	206	104	102	145
13.....	336	508	362	375	391	500	356	250	188	92	73	131
14.....	333	451	359	411	405	458	462	267	231	122	88	129
15.....	326	520	360	462	378	446	373	328	198	126	104	168
16.....	324	549	363	486	350	424	361	283	190	124	132	127
17.....	314	474	338	416	372	426	342	268	208	146	80	140
18.....	310	1,670	380	398	340	422	344	206	554	156	269	176
19.....	289	864	762	386	363	453	328	951	292	163	133	180
20.....	287	633	693	379	354	418	328	466	228	97	136	153
21.....	320	532	496	373	336	410	326	330	208	114	124	170
22.....	3,340	482	453	402	324	374	346	275	159	106	99	183
23.....	1,090	496	496	410	312	379	302	272	206	105	88	140
24.....	705	479	480	381	362	380	309	248	181	86	102	141
25.....	696	487	427	348	344	389	300	200	170	110	108	138
26.....	680	484	454	346	313	424	272	274	172	114	92	158
27.....	496	480	436	376	329	385	268	242	450	63	84	146
28.....	438	461	559	362	324	363	332	172	207	108	102	110
29.....	414	436	848	376	-----	342	282	266	136	140	95	143
30.....	474	388	621	365	-----	358	280	354	199	140	128	139
31.....	527	-----	554	334	-----	374	-----	315	-----	116	278	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	9,240	287	920	2.46	2.84
November.....	1,670	382	538	1.44	1.61
December.....	848	322	479	1.28	1.48
January.....	526	334	404	1.08	1.24
February.....	1,180	312	453	1.21	1.26
March.....	4,100	290	594	1.59	1.83
April.....	788	268	368	.984	1.10
May.....	951	172	305	.816	.94
June.....	554	136	233	.623	.70
July.....	160	63	123	.329	.38
August.....	373	51	129	.345	.40
September.....	270	110	164	.439	.49
The year.....	9,240	51	393	1.05	14.27

LEATHERWOOD CREEK NEAR OLD LIBERTY, VA.

LOCATION.—Chain gage at highway bridge $1\frac{1}{2}$ miles above mouth and 3 miles from Old Liberty, Henry County.

DRAINAGE AREA.—68 square miles.

RECORDS AVAILABLE.—September, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 562 second-feet Oct. 2 (gage height, 5.44 feet); minimum, 2 second-feet several days during August and September.

1925-1930: Maximum discharge, 2,970 second-feet Aug. 11, 1928 (gage height, 14.37 feet); minimum, that of August and September, 1930.

REMARKS.—Records fair. Discharge estimated Dec. 26, 27, Jan. 30 to Feb. 1 because of ice.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	174	36	* 30	* 63	* 50	31	34	34	* 18	13	4	* 2
2	562	38	90	59	* 70	* 30	35	33	16	13	4	2
3	218	* 90	126	84	87	29	36	36	14	11	* 4	2
4	51	107	61	59	150	31	38	* 34	14	* 10	3	2
5	38	63	49	* 50	202	33	36	31	13	10	2	2
6		* 35	46	48	42	100	33	* 60	31	13	* 10	2
7		32	39	48	51	68	62	107	32	17	9	14
8		28	39	* 46	51	56	279	60	29	* 16	8	32
9		28	38	44	46	* 50	* 65	46	30	14	6	12
10		28	* 37	44	46	44	55	43	28	32	6	* 8
11		28	36	44	46	40	50	42	* 28	18	6	5
12		25	36	44	* 44	39	44	38	29	15	6	3
13		* 24	57	42	42	41	38	* 60	29	15	* 7	3
14		24	46	41	57	48	38	100	33	14	8	4
15		24	65	* 41	73	39	38	52	69	* 14	9	7
16		23	51	41	73	* 36	* 37	41	35	13	9	5
17		24	* 100	41	55	32	36	43	31	12	8	* 8
18		23	263	53	57	33	38	47	* 100	78	15	10
19		23	84	55	* 50	33	52	48	187	26	9	12
20		* 24	55	51	42	33	40	* 42	39	18	* 6	7
21		25	46	41	44	33	38	36	26	17	4	6
22		203	42	* 40	53	33	36	38	22	* 16	4	4
23		42	49	279	53	* 34	* 37	37	18	14	3	6
24		28	* 50	160	42	35	38	36	18	13	4	* 5
25		30	51	* 80	31	35	38	35	* 17	15	4	4
26		30	63	* 60	* 36	34	40	35	16	12	4	3
27		* 29	55	* 50	42	33	35	34	15	98	* 5	3
28		28	* 50	57	41	33	35	34	16	20	6	3
29		29	44	* 100	38		35	35	16	* 17	9	4
30		49	36	84	* 35		* 35	35	* 18	15	6	3
31		42	67	* 35			* 35		20		4	* 2

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	562	23	63.6	0.935	1.08
November	263	36	60.4	.882	.99
December	279	30	66.4	.976	1.13
January	84	31	49.7	.731	.84
February	202	32	54.3	.792	.83
March	279	29	47.1	.693	.80
April	107	34	45.4	.668	.75
May	187	15	35.5	.522	.60
June	98	12	20.9	.307	.34
July	15	3	7.5	.110	.13
August	32	2	6.2	.061	.10
September	14	2	5.4	.079	.09
The year	562	2	38.5	.566	7.68

* Estimated or interpolated.

SANDY RIVER NEAR DANVILLE, VA.

LOCATION.—Water-stage recorder 500 feet below highway bridge on road between Callahans Store and Mount Cross and 6 miles northwest of Danville, Pittsylvania County.

DRAINAGE AREA.—113 square miles.

RECORDS AVAILABLE.—November, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period, 1,530 second-feet June 17 (gage height, 3.38 feet); minimum, 3 second-feet Sept. 26 (gage height, 0.40 foot).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Ju'y	Aug.	Sept.
1		118	90	172	76	66	55	43	48	26	13
2		204	90	118	78	66	57	43	41	43	10
3		218	95	195	78	68	59	39	63	27	10
4		136	92	434	76	76	59	39	35	26	10
5		108	90	394	73	66	55	35	34	26	10
6		95	87	190	76	128	55	37	34	28	12
7		95	76	148	115	164	61	44	35	48	11
8		95	76	136	258	90	57	124	32	112	11
9		92	78	122	125	78	57	168	30	30	15
10		90	81	118	101	76	57	165	27	24	16
11		90	70	108	95	73	52	57	27	22	18
12		87	68	98	92	73	55	48	28	18	18
13		81	68	92	81	76	55	44	27	21	16
14		76	112	129	78	105	59	43	28	18	14
15		76	144	101	73	81	101	41	32	20	12
16		76	140	98	73	76	52	41	32	18	10
17		73	108	90	73	73	48	263	37	16	22
18		84	132	92	73	70	44	274	41	20	18
19		98	115	92	105	78	122	66	32	26	18
20		87	101	90	90	73	63	57	28	21	22
21	108	76	98	84	78	68	50	52	27	18	22
22	105	73	108	84	76	68	48	41	26	20	18
23	105	78	108	84	73	68	40	41	24	18	18
24	92	115	95	84	73	68	41	39	30	16	15
25	98	122	90	81	76	66	44	41	27	16	14
26	108	118	95	76	81	63	43	56	20	16	11
27	105	90	87	81	76	61	43	105	21	15	13
28	98	90	81	81	73	59	43	43	22	22	10
29	95	172	87		70	57	41	39	84	13	10
30	92	122	76		70	55	52	37	32	14	10
31		101	156		68		46		26	12	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
November 21-30	108	92	101	0.894	0.33
December	218	73	104	.920	1.06
January	156	68	96.6	.855	.99
February	434	76	131	1.16	1.21
March	258	68	87.2	.772	.89
April	164	55	76.3	.675	.75
May	122	41	55.5	.491	.57
June	293	35	73.2	.648	.72
July	84	20	33.2	.294	.34
August	112	12	24.8	.219	.25
September	22	10	14.2	.126	.14

BANISTER RIVER AT HALIFAX, VA.

LOCATION.—Water-stage recorder 1 mile north of Halifax, Halifax County, and 10 miles above mouth.

DRAINAGE AREA.—552 square miles.

RECORDS AVAILABLE.—December, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,510 second-feet Oct. 3 (gage height, 24.02 feet); minimum, 14 second-feet July 13 (gage height, 0.56 foot).

1928-1930: Maximum discharge, that of Oct. 3, 1929; minimum, that of July 13, 1930.

REMARKS.—Records good except those for estimated periods, Dec. 14-19, May 31, Aug. 30 to Sept. 4, which are fair. Flow regulated except for high stages by power plant half a mile above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,540	353	278	642	447	274	303	250	174	244	38	30
2	5,930	305	422	454	238	270	254	246	176	107	240	
3	7,270	338	928	329	962	325	367	242	146	237	86	
4	5,580	515	850	558	1,580	351	271	119	133	70	26	
5	1,550	720	566	254	2,600	251	412	254	136	111	120	20
6	589	489	505	526	1,720	265	362	240	128	70	30	22
7	444	360	486	300	1,010	481	659	142	158	124	59	49
8	380	267	410	200	720	1,150	572	220	147	74	196	22
9	341	478	471	318	468	1,000	440	236	389	88	62	176
10	317	126	488	276	634	940	262	246	337	62	42	32
11	293	217	466	314	490	520	417	54	422	106	80	26
12	289	452	234	382	490	511	128	218	345	62	88	117
13	258	405	299	289	490	480	269	100	133	86	22	94
14	290	346	340	488	588	245	527	409	233	134	20	106
15	292	396		1,140	608	334	387	58	103	63	22	29
16	300	626	340	1,250	391	189	422	225	230	54	22	89
17	170	512		797	559	507	299	238	90	228	44	80
18	266	834	1,380	671	519	360	308	138	656	151	46	96
19	223	819		780	368	686	394	675	549	47	66	131
20	258	542	542	705	236	421	206	954	388	100	22	31
21	318			610	442	263	448	590	173	86	38	26
22	530	525	118	679	431	344	307	78	151	96	68	94
23	601	525	519	638	220	316	158	311	236	93	22	24
24	427	427	531	708	437	365	354	236	190	50	48	79
25	244	491	87	528	385	300	258	89	464	74	22	24
26	279	509	267	348	438	448	276	242	235	86	19	96
27	91	504	490	522	252	293	150	78	340	76	93	22
28	236	514	551	516	248	260	319	192	340	82	122	22
29	335	400	540	447	-----	263	311	108	128	118	24	457
30	264	454	812	349	-----	112	185	288	86	44	30	632
31	284	-----	667	441	-----	377	-----	120	-----	91	30	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,270	91	1,040	1.88	2.17
November	1,380	126	495	.897	1.00
December	928	87	454	.822	.95
January	1,250	200	531	.962	1.11
February	2,600	220	642	1.16	1.21
March	1,150	112	416	.754	.87
April	659	128	334	.605	.68
May	954	54	245	.444	.51
June	656	86	247	.447	.50
July	244	44	100	.181	.21
August	240	19	59.6	.108	.12
September	632	20	90.5	.164	.18
The year	7,270	19	387	.701	9.51

HYCO RIVER NEAR DENNISTON, VA.

LOCATION.—Chain gage at highway bridge 2 miles east of Denniston, Halifax County, and 8 miles south of South Boston.

DRAINAGE AREA.—219 square miles.

RECORDS AVAILABLE.—July, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 2,150 second-feet Oct. 5 (gage height, 15.85 feet); minimum, 0.7 second-foot Sept. 22 (gage height, 4.38 feet).

1929-30: Maximum discharge, that of Oct. 5, 1929; minimum, that of Sept. 22, 1930.

REMARKS.—Records good. Discharge estimated Nov. 17-19.

Daily and monthly discharge, in second-feet, 1929-37

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	573	68	135	251	299	105	82	72	72	9	32	1.2
2	416	64	251	203	351	115	77	68	48	48	40	1.0
3	940	100	1,260	191	1,030	110	95	68	48	90	32	.8
4	712	416	1,160	146	1,380	100	191	60	38	31	27	1.2
5	1,240	918	676	135	1,810	100	146	45	38	48	27	1.1
6	485	377	325	100	1,810	105	338	45	37	25	100	1.2
7	227	179	275	135	1,650	120	640	56	34	10	52	1.1
8	125	191	191	125	471	179	390	48	42	14	56	1.2
9	146	146	203	120	338	203	203	44	115	13	43	1.2
10	135	115	168	125	377	203	146	48	179	10	26	2.0
11	86	68	157	115	227	179	135	39	95	10	18	1.5
12	77	77	157	100	203	135	120	45	44	4.2	12	1.2
13	95	203	135	115	203	115	110	40	35	30	11	1.2
14	86	227	135	157	528	115	115	41	37	110	11	36
15	77	157	135	622	390	105	168	125	37	60	7	10
16	77	168	135	1,160	251	110	105	110	37	33	8	8.0
17	64	150	125	1,010	215	100	100	48	34	338	5.8	3.0
18	68	130	157	558	203	95	110	48	64	1,240	10	4.2
19	64	180	179	790	168	115	135	157	41	1,400	4.6	2.2
20	64	157	830	513	179	120	135	605	43	1,740	10	1.4
21	64	157	377	377	168	157	110	351	44	157	7	1.8
22	62	125	227	499	157	146	100	191	26	68	2.8	.9
23	110	168	227	443	168	146	90	68	22	77	1.5	2.2
24	110	239	251	338	120	95	82	56	20	56	1.4	3.0
25	82	338	215	338	135	100	77	60	17	962	2.2	3.4
26	72	416	135	251	135	82	95	48	11	179	1.4	3.8
27	72	589	239	251	135	95	72	45	100	48	1.6	2.1
28	68	485	390	227	120	95	72	56	41	60	11	2.0
29	68	287	658	203	-----	90	77	52	20	45	2.7	1.3
30	60	157	443	146	-----	90	68	377	14	45	2.2	1.2
31	77	-----	287	168	-----	68	-----	589	-----	34	2.2	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,240	52	213	0.973	1.12
November	918	64	235	1.07	1.19
December	1,260	125	330	1.51	1.74
January	1,160	100	320	1.46	1.68
February	1,810	120	472	2.16	2.25
March	203	68	119	.543	.63
April	640	68	146	.667	.74
May	605	39	120	.548	.63
June	179	11	47.8	.218	.24
July	1,740	4.2	226	1.03	1.19
August	100	1.4	18.3	.084	.10
September	36	.8	3.41	.016	.02
The year	1,810	.8	186	.849	11.53

TAR RIVER BASIN

TAR RIVER NEAR NASHVILLE, N. C.

LOCATION.—Chain gage at Cockrell Bridge, on Nashville-Wilson road 5 miles upstream from Sapony Creek and 10 miles south of Nashville, Nash County.

DRAINAGE AREA.—593 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 13,200 second-feet Oct. 6 (gage height, 16.98 feet); minimum, 29 second-feet Sept. 3 (gage height, 1.79 feet).
1928-1930: Maximum discharge, that of Oct. 6, 1928; minimum, that of Sept. 3, 1929.

REMARKS.—Records good below 8,000 second-feet; fair above that limit and for estimated periods Oct. 22-26, Nov. 5-7.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,570	620	845	620	800	473	378	341	273	226	241	40
2	8,210	576	755	576	845	514	360	306	226	257	183	39
3	9,610	514	1,860	534	1,160	534	341	273	197	360	139	38
4	10,300	2,260	2,500	534	1,880	493	665	306	197	306	94	44
5	12,200	3,550	2,390	514	2,500	453	620	273	183	226	105	44
6	12,800	4,220	1,340	493	2,920	453	620	226	183	211	105	63
7	7,160	3,420	1,070	473	3,160	514	1,580	211	197	180	110	52
8	920	1,480	1,070	473	1,540	1,250	2,500	226	1,200	183	107	122
9	710	1,020	980	493	1,070	1,250	1,940	211	1,840	211	77	1,340
10	576	845	845	473	935	980	845	211	2,100	145	73	1,020
11	453	800	800	453	845	710	665	226	2,980	129	51	396
12	360	755	710	434	755	665	534	197	1,340	110	77	197
13	453	980	665	453	710	620	576	180	845	166	80	175
14	434	1,340	665	576	710	534	493	211	710	160	73	175
15	415	1,380	665	620	755	514	473	226	534	226	73	147
16	396	935	665	980	935	453	514	378	378	290	54	107
17	378	800	620	1,680	845	453	473	473	324	290	56	115
18	360	890	620	1,250	710	453	473	306	980	290	60	103
19	324	800	710	1,840	665	493	576	257	1,300	1,300	66	103
20	306	800	710	2,620	620	620	845	551	890	2,270	56	99
21	341	710	665	1,940	620	890	665	1,380	534	620	58	97
22	3,900	620	576	1,200	576	620	534	360	360	273	70	86
23	5,400	800	755	1,340	534	514	473	324	273	211	57	99
24	6,000	1,070	935	1,640	576	514	473	273	257	197	66	92
25	5,900	1,200	935	1,250	576	493	434	211	273	241	64	101
26	2,400	1,580	800	980	534	473	324	211	306	197	70	92
27	755	2,160	710	890	534	434	378	183	257	166	51	92
28	665	2,440	710	800	473	378	360	197	453	115	66	92
29	576	1,580	710	800	-----	396	360	197	396	101	49	58
30	534	1,070	710	800	-----	473	341	226	273	127	57	68
31	576	-----	710	755	-----	434	-----	273	-----	139	60	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	12,800	306	3,160	5.33	6.14
November	4,220	514	1,370	2.31	2.58
December	2,500	620	926	1.56	1.80
January	2,620	434	919	1.55	1.79
February	3,160	473	1,030	1.74	1.81
March	1,250	378	582	.981	1.13
April	2,500	324	663	1.12	1.25
May	1,380	180	309	.521	.60
June	2,980	183	675	1.14	1.27
July	2,270	101	320	.540	.62
August	241	49	82.2	.139	.16
September	1,340	38	177	.298	.33
The year	12,800	38	851	1.44	19.48

FISHING CREEK NEAR ENFIELD, N. C.

LOCATION.—Staff gage at concrete highway bridge 2,000 feet downstream from Atlantic Coast Line Railroad bridge and 2 miles southwest of Enfield, Halifax County.

DRAINAGE AREA.—462 square miles.

RECORDS AVAILABLE.—October, 1923, to September, 1930.

EXTREMES.—Maximum discharge during year, 8,480 second-feet Oct. 24 (gage height, 16.22 feet); minimum, 42 second-feet Sept. 2-8 (gage height, 0.80 foot).

1923-1930: Maximum discharge, 12,300 second-feet Oct. 1, 2, 1924 (gage height, 17.3 feet); minimum, 40 second-feet Sept. 2, 26, 27, Oct. 2, 1926.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,030	520	642	505	610	460	400	310	176	164	122	46
2.....	3,660	505	642	490	1,080	445	400	340	176	164	228	43
3.....	5,650	490	1,270	460	1,160	445	415	325	164	268	176	42
4.....	7,800	1,320	1,860	460	1,250	430	445	310	153	241	128	42
5.....	5,430	2,680	1,510	445	1,350	415	460	241	152	164	105	42
6.....	2,800	3,000	1,020	430	1,690	385	505	241	146	146	100	42
7.....	1,250	2,800	726	415	1,300	385	1,200	228	241	128	94	42
8.....	595	1,630	816	400	1,000	906	1,400	215	505	116	88	43
9.....	460	942	726	400	762	1,720	1,060	215	610	116	88	55
10.....	385	762	595	385	658	1,100	726	176	1,160	110	83	55
11.....	355	658	580	385	610	834	658	176	1,120	105	88	88
12.....	310	610	580	385	580	565	475	164	924	94	83	100
13.....	310	708	550	370	550	535	445	164	610	88	72	67
14.....	310	888	535	415	550	490	430	176	550	94	67	62
15.....	310	852	520	550	565	460	400	176	475	415	62	59
16.....	282	674	520	690	626	415	385	241	400	580	62	57
17.....	268	626	535	816	642	385	460	228	370	355	62	55
18.....	268	610	535	1,120	580	370	415	215	658	215	61	54
19.....	254	780	550	1,630	580	370	460	268	674	176	55	54
20.....	241	726	708	1,690	565	460	744	355	415	164	53	57
21.....	241	626	626	1,430	505	595	550	340	310	152	53	56
22.....	2,010	674	610	1,200	475	535	505	228	228	134	58	53
23.....	6,180	690	460	1,120	460	430	475	189	189	105	62	55
24.....	8,480	1,120	960	1,250	505	400	400	176	176	100	62	60
25.....	7,130	1,230	942	1,020	475	385	370	164	164	189	59	57
26.....	3,470	1,080	708	780	460	400	355	164	164	176	57	57
27.....	1,370	1,720	595	674	460	385	355	152	268	152	53	56
28.....	674	1,400	580	626	445	385	340	152	241	140	51	59
29.....	535	1,080	550	642	-----	400	370	152	202	105	47	62
30.....	520	762	535	642	-----	400	340	152	176	94	47	61
31.....	520	-----	520	610	-----	385	-----	164	-----	94	45	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	8,480	241	2,040	4.42	5.10
November.....	3,000	490	1,070	2.32	2.59
December.....	1,860	460	726	1.57	1.81
January.....	1,690	370	724	1.57	1.81
February.....	1,690	445	732	1.58	1.64
March.....	1,720	370	525	1.14	1.31
April.....	1,400	340	531	1.15	1.28
May.....	355	152	219	.474	.55
June.....	1,160	146	393	.851	.95
July.....	580	88	172	.372	.43
August.....	228	45	79.7	.173	.20
September.....	100	42	56.0	.121	.14
The year.....	8,480	42	605	1.31	17.81

NEUSE RIVER BASIN

ENO RIVER AT HILLSBORO, N. C.

LOCATION.—Staff gage 1,000 feet below State highway 10 at Hillsboro, Orange County, and 2 miles below Sevenmile Creek.

DRAINAGE AREA.—66.5 square miles.

RECORDS AVAILABLE.—November, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 4,650 second-feet Oct. 2 (gage height, estimated, 18.0 feet); minimum, 2.6 second-feet Sept. 6, 7 (gage height, 0.57 foot).

1927-1930: Maximum discharge, that of Oct. 2, 1929; minimum, that of Sept. 6, 7, 1930.

REMARKS.—Records good below and fair above 500 second-feet except for estimated periods Nov. 23-26, June 8, which are poor. Slight diurnal regulation due to operation of cotton mills.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1.....	451	31	53	33	24	17.5	16.5	18.0	3.8
2.....	3,470	30	86	31	22	15.0	44	14.0	3.5
3.....	460	28	314	38	21	15.0	16.0	12.6	3.5
4.....	103	281	189	80	21	13.5	11.2	11.2	3.5
5.....	80	149	103	43	20	12.6	30	9.9	3.2
6.....	69	74	86	91	32	14.0	18.5	9.4	2.7
7.....	66	56	64	103	49	14.0	11.7	14.0	2.7
8.....	47	49	58	67	26	15.5	9.4	11.7	5.0
9.....	44	46	55	45	21	17.5	7.6	10.4	9.4
10.....	42	44	54	44	22	19.0	7.6	9.0	6.6
11.....	38	41	52	41	19.0	17.5	6.9	8.3	4.8
12.....	35	86	50	38	18.5	14.0	6.2	7.6	5.0
13.....	31	202	48	34	18.5	12.6	5.8	6.6	5.0
14.....	30	91	46	33	47	13.5	327	6.2	4.5
15.....	28	74	44	31	121	11.7	47	6.6	4.5
16.....	27	62	43	30	34	11.7	23	6.6	4.8
17.....	27	55	42	33	27	13.0	1,290	7.2	4.5
18.....	25	86	51	35	23	177	373	7.2	4.0
19.....	24	69	59	37	58	31	80	7.2	4.0
20.....	24	49	52	38	36	22	45	6.6	4.5
21.....	58	45	45	33	23	19.0	32	6.2	5.5
22.....	134	44	42	34	23	16.0	28	5.5	5.2
23.....	62	80	43	31	22	12.6	23	5.0	4.8
24.....	41	75	44	30	18.5	12.6	31	5.0	4.8
25.....	31	65	47	28	17.0	12.2	26	4.8	4.5
26.....	29	180	61	27	16.5	10.8	22	4.8	4.5
27.....	28	66	68	25	15.5	13.5	17.0	4.5	4.2
28.....	27	58	65	28	15.0	12.6	15.5	4.5	4.0
29.....	30	74	61	25	15.0	10.8	14.5	4.2	4.0
30.....	33	57	59	25	18.5	10.8	13.5	4.0	4.0
31.....	31	-----	55	-----	19.0	-----	12.6	3.8	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	3,470	24	181	2.72	3.14
November.....	281	28	78.2	1.19	1.32
December.....	314	42	69.0	1.04	1.20
April.....	103	25	40.4	.608	.68
May.....	121	15.0	27.8	.418	.48
June.....	177	10.8	20.3	.395	.34
July.....	1,290	5.8	84.2	1.27	1.46
August.....	18.0	3.8	7.83	.118	.14
September.....	9.4	2.7	4.50	.068	.08

NEUSE RIVER NEAR NORTHSIDE, N. C.

LOCATION.—Water-stage recorder at Fishdam Bridge, 1½ miles downstream from Seaboard Air Line Railway bridge and 2 miles south of Northside, Granville County.

DRAINAGE AREA.—574 square miles.

RECORDS AVAILABLE.—July, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 26,600 second-feet Oct. 3 (gage height, 28.64 feet); minimum, 13 second-feet Sept. 2 (gage height 1.06 feet). 1927-1930: Maximum discharge, that of Oct. 3, 1929; minimum, that of Sept. 2, 1930.

REMARKS.—Records good below 500 second-feet, fair between 500 and 1,000 second-feet, and poor above 1,000 second-feet. Flow regulated by storage in Durham Reservoir.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,630	198	500	404	564	420	177	182	122	110	228	14
2.....	15,500	166	692	436	628	404	198	178	111	276	111	13
3.....	24,700	238	1,860	452	1,250	364	207	166	118	252	103	18
4.....	12,900	1,470	1,870	420	1,850	372	380	151	110	140	94	19
5.....	6,020	2,190	924	436	3,120	304	372	150	106	106	103	18
6.....	3,340	1,170	676	348	2,300	364	388	146	92	103	95	17
7.....	1,960	649	628	236	1,050	420	1,100	166	118	119	100	21
8.....	1,050	540	596	244	740	804	692	196	103	87	114	116
9.....	564	484	548	228	676	644	500	150	182	53	94	73
10.....	452	452	548	236	596	500	404	137	276	49	82	46
11.....	436	404	516	206	654	340	380	126	183	38	74	44
12.....	228	436	500	196	516	300	356	110	122	32	79	28
13.....	212	910	484	204	532	276	332	127	106	34	84	26
14.....	194	887	484	252	380	244	308	124	105	100	100	148
15.....	204	532	452	512	612	244	340	404	103	1,070	87	61
16.....	196	452	452	1,460	548	228	332	404	98	276	81	64
17.....	180	468	452	870	484	228	212	180	132	284	81	62
18.....	182	452	452	1,090	484	236	236	161	1,460	2,420	79	60
19.....	164	500	580	1,860	484	260	300	284	1,450	2,900	94	50
20.....	156	388	532	1,040	484	388	500	660	596	939	87	49
21.....	142	316	300	708	452	348	340	388	198	356	84	52
22.....	260	284	244	820	436	268	228	308	151	332	73	48
23.....	420	452	340	1,140	420	252	220	284	132	316	71	52
24.....	268	692	564	836	420	236	166	137	127	308	70	61
25.....	188	740	452	676	468	236	159	119	119	356	67	53
26.....	182	996	364	580	452	244	148	110	111	324	78	53
27.....	159	1,690	380	548	452	276	148	108	108	260	78	49
28.....	143	1,110	388	564	420	228	150	105	132	244	71	47
29.....	162	728	500	564	-----	228	164	110	108	284	49	38
30.....	169	580	532	548	-----	228	180	150	100	284	27	18
31.....	190	-----	452	548	-----	210	-----	159	-----	188	20	-----

Month	Maximum	Minimum	Mean	Per square m ^{ile}	Run-off in inches
October.....	24,700	142	2,370	4.13	4.76
November.....	2,190	166	686	1.20	1.34
December.....	1,870	244	589	1.03	1.19
January.....	1,860	196	602	1.05	1.21
February.....	3,120	420	771	1.34	1.40
March.....	804	210	328	.572	.66
April.....	1,100	148	321	.559	.62
May.....	660	105	199	.347	.40
June.....	1,460	92	233	.406	.45
July.....	2,900	32	408	.711	.82
August.....	228	20	85.7	.149	.17
September.....	148	13	47.3	.082	.09
The year.....	24,700	13	554	.965	13.11

NEUSE RIVER NEAR CLAYTON, N. C.

LOCATION.—Water-stage recorder at bridge 3 miles east of Clayton, Johnson County.

DRAINAGE AREA.—1,230 square miles.

RECORDS AVAILABLE.—July, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 28,100 second-feet Oct. 3 (gage height, 21.62 feet); minimum, 118 second-feet Sept. 7.

1927-1930: Maximum discharge, that of Oct. 3, 1928; minimum, 98 second-feet Aug. 4, 1928.

REMARKS.—Records good below 15,000 second-feet; fair above this limit and for estimated periods Nov. 23 to Jan. 21, July 17-21. Small diurnal fluctuation.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,570	695	1,220	980	1,220	860	595	545	420	346	1,020	148
2	19,400	695	1,350	750	1,350	860	570	545	364	420	595	148
3	27,400	750	3,300	750	2,040	860	620	522	346	545	382	148
4	19,200	3,920	4,250	860	3,060	805	860	500	312	595	296	140
5	14,400	6,700	3,380	860	4,700	750	980	480	296	440	280	148
6	14,100	5,400	2,500	805	4,610	750	1,100	480	382	382	250	132
7	13,000	3,800	1,890	860	4,610	920	2,580	480	750	312	280	125
8	11,000	1,890	1,610	805	4,160	1,480	2,340	460	1,100	312	265	592
9	8,080	1,420	1,420	750	2,120	1,610	1,610	480	2,120	296	250	750
10	2,540	1,220	1,220	695	1,480	1,350	1,100	460	2,190	250	237	364
11	1,100	1,100	1,160	645	1,280	1,100	920	420	980	213	213	265
12	980	1,100	1,100	645	1,160	920	860	420	695	192	250	237
13	750	1,540	1,040	695	1,100	805	805	420	570	234	192	224
14	695	1,750	1,040	860	1,160	750	750	440	545	603	182	440
15	645	1,890	980	750	1,220	695	750	545	480	401	202	265
16	595	1,350	980	980	1,350	695	860	695	440	1,260	237	312
17	595	1,100	980	1,350	1,220	695	750	805	440	860	224	250
18	570	1,100	980	1,960	1,100	695	750	545	2,200	860	401	224
19	545	1,100	1,220	2,980	1,040	695	860	460	4,340	1,820	364	213
20	545	1,040	1,350	3,620	980	860	1,160	522	3,890	3,300	237	213
21	545	980	1,280	2,660	980	920	1,100	920	1,680	2,040	224	192
22	7,020	860	1,220	1,750	920	860	920	695	750	695	224	202
23	6,970	860	1,280	2,260	920	750	750	570	522	545	224	250
24	1,890	1,100	1,610	2,500	980	695	645	545	440	753	182	202
25	1,160	1,220	1,750	1,960	920	695	595	480	420	570	164	192
26	750	1,890	1,220	1,540	980	645	545	346	420	545	224	192
27	860	3,980	1,040	1,350	920	645	545	346	440	500	202	182
28	695	3,300	860	1,220	860	645	545	312	401	440	182	164
29	645	1,960	860	1,220	-----	695	522	312	364	401	192	140
30	645	1,350	860	1,220	-----	645	545	500	346	420	182	164
31	695	-----	920	1,220	-----	620	-----	480	-----	535	164	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	27,400	545	5,370	4.36	5.02
November	6,700	695	1,900	1.54	1.72
December	4,250	860	1,480	1.20	1.38
January	3,620	645	1,340	1.09	1.26
February	4,700	860	1,730	1.41	1.47
March	1,610	620	838	.681	.79
April	2,580	522	918	.746	.83
May	805	312	507	.412	.43
June	4,340	286	955	.776	.87
July	3,300	192	680	.553	.64
August	1,020	164	275	.224	.26
September	750	125	241	.196	.22
The year	27,400	125	1,350	1.10	14.94

NEUSE RIVER NEAR GOLDSBORO, N. C.

LOCATION.—Chain gage at Atlantic Coast Line Railroad bridge 2 miles upstream from Stoney Creek and 3 miles south of Goldsboro, Wayne County.

DRAINAGE AREA.—2,380 square miles.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 5,430 second-feet June 22 (gage height, 10.40 feet); minimum, 210 second-feet Sept. 9, 27–30.

Maximum recorded discharge, 38,600 second-feet Oct. 5, 1929 (gage height, 25.3 feet).

REMARKS.—Records good except those for estimated period Mar. 18–27, which are fair.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		2,230	1,680	1,030	810	690	540	240
2		2,230	1,530	1,030	730	650	650	240
3		2,280	1,480	980	574	650	770	240
4		2,330	1,580	890	540	690	850	240
5		2,230	1,980	810	506	850	650	240
6		2,080	2,380	810	474	810	506	240
7		2,030	2,960	770	574	690	442	224
8		2,960	3,680	730	890	574	384	224
9		4,380	4,520	690	1,980	540	358	210
10		5,150	4,450	730	3,380	506	358	1,150
11		5,220	3,440	730	4,240	442	334	980
12		4,380	2,430	650	4,730	412	312	540
13		3,500	2,030	610	4,380	384	312	384
14		2,840	1,780	650	3,860	358	312	384
15		2,380	1,630	810	3,260	506	292	358
16		2,130	1,530	930	2,380	810	292	412
17		1,980	1,480	1,180	1,880	980	292	442
18		1,900	1,630	1,280	1,580	1,580	412	442
19		1,900	1,730	1,080	2,130	1,780	506	384
20		1,900	2,030	890	3,620	1,880	574	358
21		1,900	2,780	770	4,660	2,600	506	334
22		2,000	2,960	730	5,290	3,140	474	312
23		2,000	2,660	980	4,100	2,280	442	292
24		2,000	2,080	890	1,980	1,280	384	256
25		2,380	1,900	810	1,080	1,030	358	224
26	2,430	1,800	1,480	730	890	1,130	334	224
27	2,430	1,800	1,280	650	850	850	292	210
28	2,380	1,630	1,180	574	770	730	274	210
29		1,580	1,130	506	770	650	274	210
30		1,580	1,080	506	690	574	256	210
31		1,680		650		540	240	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
March	5,220	1,580	2,450	1.03	1.19
April	4,520	1,080	2,140	.899	1.00
May	1,280	506	.809	.340	.39
June	5,290	474	2,120	.891	.99
July	3,140	358	.987	.415	.43
August	850	240	.419	.176	.20
September	1,150	210	.347	.146	.16

NEUSE RIVER AT KINSTON, N. C.

LOCATION.—Chain gage on State highway 12 crossing at Kinston, Lenoir County.
Zero of gage 10.00 feet above mean sea level.

DRAINAGE AREA.—2,700 square miles.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 4,860 second-feet Mar. 13 (gage height, 11.21 feet); minimum, 362 second-feet Sept. 8 (gage height, 1.97 feet).

Maximum known floods: 24.6 feet July, 1919 (discharge, 38,000 second-feet); 24.3 feet October, 1924; 23.83 feet September, 1928; 22.48 feet Oct. 9-10, 1929.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		2,710	1,790	1,340	758	926	790	414
2		2,660	1,840	1,300	892	892	758	414
3		2,600	1,790	1,260	926	926	926	414
4		2,600	1,790	1,220	790	858	1,100	492
5		2,540	1,840	1,100	758	858	1,030	466
6		2,490	2,140	1,100	726	960	824	440
7		2,440	2,600	1,030	790	1,030	726	414
8		2,540	2,880	996	892	926	576	362
9		3,160	3,280	960	1,260	790	604	440
10		3,700	3,820	960	2,190	790	576	694
11		3,940	4,140	960	3,280	726	548	892
12		4,780	3,880	926	3,760	694	548	1,180
13		4,780	2,880	926	4,140	664	520	892
14		4,140	2,290	926	4,280	664	492	664
15		3,400	2,040	960	4,000	726	492	694
16		2,760	1,840	1,030	3,580	758	492	634
17		2,390	1,940	1,100	2,880	996	466	634
18		2,290	1,990	1,260	2,190	1,220	520	758
19		2,240	1,890	1,340	1,790	1,600	726	726
20		2,240	2,090	1,340	1,790	1,700	664	664
21		2,290	2,240	1,140	3,040	1,840	664	576
22		2,390	2,660	996	3,700	2,390	758	520
23		2,390	2,930	926	4,140	2,760	758	520
24		2,340	2,820	1,030	4,210	2,390	634	466
25		2,340	2,390	1,100	2,930	1,700	664	466
26	2,710	2,340	1,990	996	1,700	1,300	548	466
27	2,760	2,290	1,740	926	1,220	1,260	492	492
28	2,710	2,240	1,560	858	1,070	1,100	440	440
29		2,140	1,420	824	996	960	440	414
30		1,990	1,380	758	996	892	466	414
31		1,840		758		824	440	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
March	4,780	1,840	2,740	1.01	1.16
April	4,140	1,380	2,330	.863	.96
May	1,340	758	1,040	.385	.44
June	4,280	726	2,190	.811	.90
July	2,760	664	1,170	.433	.50
August	1,100	440	635	.235	.27
September	1,180	362	569	.211	.24

FLAT RIVER AT BAHAMA, N. C.

LOCATION.—Water-stage recorder at head of Durham water-supply pond 1½ miles above mouth of Dial Creek and county highway bridge at Bahama, Durham County.

DRAINAGE AREA.—150 square miles.

RECORDS AVAILABLE.—July, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 12,500 second-feet Oct. 2 (gage height, 10.85 feet); minimum, 4.2 second-feet Sept. 10, 11 (gage height, 1.04 feet).

1925-1930: Maximum discharge, that of Oct. 2, 1929; minimum, 0.5 second-foot Sept. 27, 30, Oct. 1, 1925 (gage height, 0.50 foot).

REMARKS.—Records good. Slight diurnal fluctuation caused by operation of old gristmills.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,740	54	90	86	140	69	54	41	42	18.3	94	6.2
2.....	9,900	47	218	77	233	74	50	40	36	28	34	7.0
3.....	826	60	946	79	755	68	50	36	27	32	26	5.2
4.....	289	680	267	69	1,250	65	128	34	23	25	24	4.8
5.....	202	295	191	62	1,050	65	85	32	26	21	17.1	5.0
6.....	163	145	161	61	375	62	296	32	24	18.7	17.9	4.3
7.....	136	102	145	63	268	101	395	37	24	17.5	22	4.4
8.....	142	85	130	63	224	224	168	36	53	15.9	22	4.8
9.....	95	75	119	63	186	146	109	34	58	33	21	4.4
10.....	52	66	99	62	170	93	82	31	70	17.5	20	4.3
11.....	72	62	97	58	147	80	73	29	45	10.8	17.5	4.3
12.....	66	90	88	54	136	84	71	27	32	8.0	16.3	4.3
13.....	63	429	82	58	134	74	61	26	29	9.6	15.1	14.3
14.....	63	211	82	149	280	65	62	48	30	10.4	11.8	62
15.....	56	145	79	652	178	62	58	588	23	17.5	9.2	38
16.....	57	119	78	446	145	57	56	114	23	26	7.2	21
17.....	50	96	74	204	121	60	50	63	24	963	8.6	15.1
18.....	48	155	89	557	112	62	59	43	282	2,790	8.6	11.4
19.....	49	145	191	441	109	104	81	1,080	92	144	9.5	10.8
20.....	44	93	119	224	105	184	101	241	47	79	9.8	10.1
21.....	44	75	80	186	98	92	68	97	30	60	8.6	8.9
22.....	73	68	70	269	94	77	62	63	27	46	8.9	8.0
23.....	82	99	90	319	90	66	60	53	27	42	9.2	7.4
24.....	56	186	140	227	93	65	50	46	23	58	8.3	7.4
25.....	48	262	112	176	90	67	46	44	19.1	95	7.4	7.4
26.....	44	404	114	152	85	100	43	47	18.3	54	6.9	6.9
27.....	42	369	134	138	77	82	37	38	18.7	34	6.2	5.7
28.....	42	210	134	136	72	65	45	36	25	30	6.0	5.5
29.....	40	154	149	130	-----	59	46	30	21	26	5.7	5.2
30.....	44	114	121	125	-----	55	42	33	19.1	26	5.7	5.0
31.....	59	-----	98	130	-----	58	-----	57	-----	28	6.0	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	9,900	40	506	3.37	3.88
November.....	680	47	170	1.13	1.26
December.....	946	70	148	.987	1.14
January.....	652	54	178	1.19	1.37
February.....	1,250	72	243	1.62	1.69
March.....	224	55	83.4	.556	.64
April.....	395	37	86.3	.575	.64
May.....	1,080	26	102	.680	.78
June.....	282	18.3	41.3	.275	.31
July.....	2,790	8.0	154	1.03	1.19
August.....	94	5.7	15.8	.105	.12
September.....	62	4.3	10.3	.069	.08
The year.....	9,900	4.3	145	.967	13.10

FLAT RIVER AT DAM NEAR BAHAMA, N. C.

LOCATION.—Water-stage recorder just downstream from new Durham municipal dam at old Tilley mill site, 4 miles above junction with Eno River, and 3 miles southeast of Bahama, Durham County.

DRAINAGE AREA.—171 square miles.

RECORDS AVAILABLE.—August, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 11,400 second-feet Oct. 2 (gauge height, 16.72 feet); minimum, 0.6 second-foot Sept. 29, 30 (gauge height, 0.95 foot).

1927-1930: Maximum discharge, that of Oct. 2, 1929; minimum, 0.4 second-foot Dec. 21, 24, 1928 (gauge height, 0.91 foot).

REMARKS.—Records excellent except those for estimated periods, which are fair. Flow regulated by storage reservoir. Diversion for Durham water supply.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	1,020	50	197	224	213	220	57	90	56	66	46	2.0
2-----	9,250	55	249	234	* 190	160	70	90	58	66	65	1.6
3-----	1,670	41	374	225	* 250	172	66	86	60	72	* 65	1.1
4-----	443	222	441	247	817	193	70	86	64	69	* 60	1.6
5-----	300	278	310	145	1,250	204	70	88	60	62	* 60	.9
6-----	188	250	262	104	493	190	56	92	58	54	* 65	1.1
7-----	266	241	259	64	354	202	122	68	55	38	74	1.1
8-----	262	232	199	62	284	178	177	64	48	2.8	68	1.1
9-----	251	222	263	82	207	159	180	64	52	2.8	60	1.1
10-----	253	196	257	71	227	156	182	66	54	2.8	53	1.1
11-----	138	207	250	52	174	63	176	46	54	2.8	47	1.3
12-----	60	232	238	46	222	70	174	66	52	4.6	64	1.1
13-----	43	234	244	64	216	68	144	* 65	55	5.0	64	1.1
14-----	62	98	234	58	176	67	190	* 65	55	17	68	1.3
15-----	66	85	174	92	195	69	188	* 60	51	24	61	18
16-----	60	152	242	212	168	68	152	* 60	57	27	66	36
17-----	63	159	218	215	208	68	66	58	54	13	59	35
18-----	52	96	223	200	210	74	65	50	146	837	70	33
19-----	50	93	215	165	225	68	112	130	149	326	66	33
20-----	35	87	82	212	216	70	140	202	96	178	70	33
21-----	63	86	49	223	201	72	59	208	54	207	62	33
22-----	51	84	37	226	197	70	82	210	53	214	60	33
23-----	65	64	57	212	164	58	47	153	60	222	60	32
24-----	51	96	36	* 200	220	76	49	58	63	230	58	30
25-----	52	89	40	* 190	229	66	48	46	56	218	68	33
26-----	55	164	39	187	238	56	47	45	44	208	74	36
27-----	35	326	55	188	228	68	42	50	62	172	48	36
28-----	58	316	95	218	236	72	64	58	65	220	34	26
29-----	55	286	201	236	-----	66	74	60	55	224	3.2	.7
30-----	49	248	244	221	-----	65	88	114	72	199	4.1	14
31-----	55	-----	115	215	-----	56	-----	54	-----	58	2.8	-----

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
October-----	9,250	35	488	May-----	210	45	85.5
November-----	326	41	166	June-----	149	44	63.9
December-----	441	36	190	July-----	837	2.8	130
January-----	247	46	164	August-----	74	2.8	55.6
February-----	1,250	164	286	September-----	36	.7	16.0
March-----	220	56	105	The year-----	9,250	.7	154
April-----	190	42	102				

* Estimated.

LITTLE RIVER NEAR PRINCETON, N. C.

LOCATION.—Staff gage one-fourth mile upstream from county bridge, three-fourths mile upstream from Little Creek, and 3 miles north of Princeton, Johnston County.

DRAINAGE AREA.—221 square miles.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 2,210 second-feet June 20 (gage height, 9.60 feet); minimum, 10 second-feet Sept. 10, 11 (gage height, 0.52 foot).

Maximum known gage height, 14.90 feet September, 1924.

REMARKS.—Records fair. Daily regulation caused by operation of mill upstream.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	Jul 7	Aug.	Sept.
1		161	136	112	35	58	46	12
2		196	120	98	40	71	56	12
3		204	128	107	68	76	20	13
4		170	281	58	30	196	18	14
5		161	332	96	54	152	16	12
6		152	281	88	45	76	32	12
7		230	652	75	120	95	16	11
8		810	539	88	264	79	28	11
9		704	366	83	730	62	16	11
10		440	281	75	604	51	15	10
11		366	213	37	478	43	15	10
12		298	170	86	582	46	14	44
13		247	161	54	837	19	15	102
14		213	144	54	518	38	16	19
15		187	152	89	298	64	17	34
16		170	136	128	230	51	16	42
17		170	144	102	187	37	14	40
18		170	120	74	315	71	25	38
19		204	213	109	891	128	13	22
20		264	349	35	2,070	19	17	13
21		230	315	78	560	174	24	12
22		187	247	49	281	72	19	12
23		178	213	50	187	54	19	12
24		170	170	68	120	172	16	18
25		161	144	25	109	63	15	13
26		170	136	82	98	44	15	14
27		161	120	58	92	19	15	15
28		178	136	49	81	37	15	12
29		144	96	18	63	50	24	12
30		170	120	86	104	38	18	11
31		178		144		17	14	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
March	810	136	239	1.08	1.24
April	652	96	220	.995	1.11
May	144	18	76.0	.344	.40
June	2,070	30	336	1.52	1.70
July	152	17	62.6	.283	.33
August	56	13	20.0	.090	.10
September	102	10	20.4	.092	.10

CONTENTNEA CREEK NEAR WILSON, N. C.

LOCATION.—Staff gage at municipal power plant at State highway crossing 1 mile upstream from Atlantic Coast Line Railroad and 3 miles southwest of Wilson, Wilson County.

DRAINAGE AREA.—245 square miles.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 1,260 second-feet June 21 (gage height, 5.72 feet); minimum, 1.6 second-feet Aug. 31 and several times in September (gage height, 0.54 foot).

REMARKS.—Records good. Flow regulated by storage in pond just above station.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.		204	164	59	52	90	76	1.6
2.		248	158	81	8.4	199	140	1.6
3.		174	47	95	45	5.7	10	1.6
4.		273	255	44	7.9	5.7	41	1.6
5.		164	357	73	39	130	72	2.7
6.		153	383	73	44	64	11	1.9
7.		217	495	117	96	38	47	1.6
8.		584	614	66	219	33	10	1.6
9.		828	735	59	383	36	10	180
10.		704	614	7.9	554	60	16	90
11.		584	383	65	644	34	11	174
12.		410	204	7.9	644	34	11	9.4
13.		357	7.9	39	554	43	11	6.4
14.		335	179	81	383	54	11	2.7
15.		226	132	52	212	73	25	2.5
16.		73	60	139	255	66	11	52
17.		233	226	7.9	241	219	11	9.4
18.		226	160	50	234	182	11	9.4
19.		252	243	29	466	66	11	10
20.		357	266	60	891	124	17	11
21.		357	335	8.4	1,260	44	12	11
22.		313	241	52	891	67	13	11
23.		127	226	8.9	342	52	13	12
24.		175	243	52	131	8.4	11	12
25.		173	95	8.4	111	69	1.9	6.7
26.		158	124	8.4	90	53	1.9	1.9
27.		219	66	34	111	10	1.8	1.8
28.	233	60	124	8.9	65	41	1.8	1.8
29.		174	95	8.9	90	41	1.8	1.7
30.		184	132	241	127	42	1.8	1.6
31.		179		8.9		64	1.6	
Month		Maximum	Minimum	Mean	Per square mile	Run-off in inches		
March		828	60	281	1.15	1.33		
April		735	7.9	246	1.00	1.12		
May		241	7.9	53.1	.217	.25		
June		1,260	7.9	306	1.25	1.40		
July		219	5.7	66.1	.27C	.31		
August		140	1.6	20.1	.082	.09		
September		180	1.6	21.1	.086	.10		

CONTENTNEA CREEK AT HOOKERTON, N. C.

LOCATION.—Staff gage just downstream from East Carolina Railway bridge at Hookerton, Greene County.

DRAINAGE AREA.—691 square miles.

RECORDS AVAILABLE.—November, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 11,100 second-feet Oct. 6 (gage height, 18.90 feet); minimum, 70 second-feet Sept. 1-4 (gage height, 1.8 feet).

1928-1930: Maximum discharge, that of Oct. 6, 1929; minimum, that of Sept. 1-4, 1930.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,230	2,680	2,320	1,180	1,640	755	535	459	216	244	108	70
2	2,570	2,140	2,280	1,070	1,680	775	555	334	230	216	124	70
3	2,980	1,880	2,570	1,010	1,720	755	555	286	176	216	188	70
4	4,620	1,640	2,680	1,010	1,800	755	595	230	134	272	188	74
5	9,600	2,050	2,730	962	1,960	735	635	216	134	244	164	97
6	11,000	2,520	2,730	919	2,140	715	755	202	124	216	134	108
7	9,600	2,680	2,730	898	2,230	715	940	188	134	230	108	87
8	7,700	2,850	2,620	856	2,280	877	1,120	188	318	202	102	87
9	5,940	3,120	2,520	815	2,280	1,140	1,160	188	535	164	97	134
10	4,500	3,260	2,420	795	2,230	1,330	1,180	202	1,400	134	97	230
11	3,500	3,190	2,230	775	2,050	1,400	1,210	188	1,720	116	92	302
12	2,850	3,120	2,100	755	1,840	1,600	1,180	164	1,920	116	92	302
13	2,140	2,850	2,000	715	1,600	1,680	1,030	144	1,960	116	87	272
14	1,500	2,520	1,920	695	1,360	1,500	795	154	2,000	124	87	258
15	1,140	2,140	1,800	835	1,240	1,240	555	154	1,960	164	87	230
16	919	1,880	1,640	1,160	1,180	962	478	176	1,880	202	82	188
17	775	1,800	1,530	1,430	1,160	775	440	202	1,760	176	82	134
18	675	1,640	1,500	1,720	1,330	655	404	216	1,640	258	87	97
19	635	1,530	1,240	1,960	1,360	635	440	230	1,050	350	92	97
20	555	1,500	1,300	2,320	1,330	695	555	176	940	478	92	97
21	575	1,430	1,330	2,420	1,270	755	675	144	877	422	92	97
22	1,240	1,270	1,360	2,620	1,160	775	735	144	1,010	272	87	92
23	2,140	1,210	1,430	2,730	1,030	815	715	124	1,140	230	87	92
24	2,520	1,270	1,500	2,790	919	775	655	116	1,180	188	82	87
25	3,420	1,460	1,560	2,620	919	655	555	116	1,180	154	82	82
26	5,260	1,640	1,560	2,520	898	635	459	124	755	144	82	82
27	5,940	1,840	1,600	2,420	856	595	535	124	655	134	82	78
28	5,660	2,140	1,640	2,280	795	575	497	116	404	124	78	78
29	5,000	2,230	1,600	2,100	-----	555	478	116	350	116	78	82
30	4,080	2,280	1,500	1,920	-----	516	478	124	286	108	78	82
31	3,420	-----	1,330	1,720	-----	497	-----	188	-----	102	74	-----
Month	Maximum				Minimum		Mean		Per square mile	Run-off in inches		
October	11,000				3,260		555		3,670	5.31		
November	2,730				1,240		1,210		2,130	3.08		
December	2,790				705		1,240		1,910	2.76		
January	2,280				795		695		1,550	2.24		
February	1,680				497		2,280		1,510	2.19		
March	1,210				459		1,680		866	1.25		
April	478				188		1,210		697	1.01		
May	102				74		459		185	.268		
June	302				70		2,000		936	1.35		
July	11,000				70		478		201	.291		
August	11,000				70		188		99.7	.144		
September	11,000				70		302		129	.187		
The year	11,000				70		70		1,160	1.68		

CAPE FEAR RIVER BASIN

HAW RIVER NEAR BENAJA, N. C.

LOCATION.—Water-stage recorder at old High Rock mill site 500 feet upstream from county road crossing, half a mile upstream from county line, and 6 miles east of Benaja, Rockingham County.

DRAINAGE AREA.—168 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 5,020 second-feet Oct. 3 (gage height, 13.54 feet); minimum, 8.9 second-feet Sept. 6 (gage height, 0.83 foot).

1928-1930: Maximum discharge, that of Oct. 3, 1929; minimum, that of Sept. 6, 1930.

REMARKS.—Records good except those for estimated periods, Nov. 23, 25-29, Dec. 1-6, 8-13, 15-19, which are fair. Slight daily regulation, owing to operation of gristmills.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	472	118	120	232	180	125	109	88	77	38	28	11.0
2	2,690	109	200	138	205	125	109	82	60	40	29	11.4
3	4,640	136	500	174	256	121	120	80	55	46	25	11.8
4	2,490	298	450	163	342	121	148	73	51	40	21	15.0
5	952	364	400	150	470	120	143	68	49	33	33	12.6
6	496	298	300	136	508	120	172	66	53	36	99	10.1
7	353	254	276	137	458	150	226	68	68	30	82	16.0
8	246	180	250	139	353	240	240	64	168	21	109	46
9	155	141	220	137	287	287	216	61	320	19.0	68	48
10	127	127	180	132	214	252	155	61	434	15.5	45	38
11	116	121	170	125	178	189	132	60	458	13.0	38	34
12	109	165	160	123	163	163	125	61	232	15.0	36	27
13	103	222	140	123	163	148	123	64	103	19.0	30	27
14	101	236	123	281	246	134	121	89	91	26	30	44
15	94	236	120	538	276	127	120	132	84	42	33	27
16	89	212	140	583	266	123	114	98	73	51	27	22
17	91	193	140	508	208	123	111	74	74	86	27	24
18	89	208	150	446	172	128	114	68	109	111	30	20
19	83	342	170	386	161	167	123	123	84	70	40	30
20	77	434	165	320	157	195	121	111	62	48	27	89
21	83	331	159	256	146	186	106	76	58	38	26	68
22	146	224	136	232	141	155	106	62	51	38	24	46
23	152	200	141	234	141	145	103	56	50	40	22	38
24	148	189	154	230	141	137	98	53	47	59	20	33
25	125	175	141	206	139	139	94	49	42	45	16.5	28
26	114	230	128	180	139	146	91	43	41	40	20	27
27	91	240	137	165	132	136	86	46	56	29	15.5	26
28	91	240	178	163	125	125	88	47	53	26	20	25
29	84	220	236	163	-----	118	89	49	42	56	15.5	19.0
30	109	123	256	146	-----	120	89	146	38	47	15.0	25
31	127	-----	256	154	-----	111	-----	137	-----	34	13.0	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	4,640	77	479	2.85	3.29
November	434	109	219	1.30	1.45
December	500	120	203	1.21	1.40
January	583	123	231	1.38	1.59
February	508	125	227	1.35	1.41
March	287	111	151	.899	1.04
April	240	86	126	.750	.84
May	146	43	76.0	.452	.52
June	458	38	106	.631	.70
July	111	13.0	40.4	.240	.28
August	109	13.0	34.3	.204	.24
September	89	10.1	30.0	.179	.20
The year	4,640	10.1	160	.952	12.96

HAW RIVER AT HAW RIVER, N. C.

LOCATION.—Water-stage recorder 400 feet downstream from Southern Railway bridge at Haw River, Alamance County.

DRAINAGE AREA.—592 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 16,400 second-feet Oct. 2 (gage height, 22.44 feet); minimum, 3 second-feet Sept. 5.

1928-1930: Maximum discharge, 18,400 second-feet Feb. 28, 1929 (gage height, 23.96 feet); minimum, that of Sept. 5, 1930.

REMARKS.—Records good between 20 and 15,000 second-feet and fair beyond these limits. Daily regulation present.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	4,710	385	394	811	571	440	321	332	246	143	127	59
2.....	15,300	277	951	659	792	335	394	227	252	139	115	66
3.....	12,700	390	2,740	588	1,660	355	315	180	182	135	86	38
4.....	6,090	1,420	1,710	472	2,500	318	385	191	210	109	81	22
5.....	1,960	1,380	1,260	425	2,860	283	425	207	257	55	113	7
6.....	1,080	854	1,040	440	1,760	296	612	334	180	55	119	5
7.....	772	659	830	379	1,370	443	1,010	435	175	125	317	10
8.....	588	571	715	455	1,060	1,120	715	259	294	133	554	10
9.....	488	488	623	521	830	870	606	232	850	139	259	57
10.....	440	440	504	504	696	696	504	246	1,240	105	283	101
11.....	345	376	538	364	538	504	370	184	850	88	215	42
12.....	267	466	521	318	521	521	313	191	554	84	156	89
13.....	246	1,220	410	364	588	504	321	180	367	45	127	45
14.....	242	952	364	1,100	1,210	488	321	274	329	77	111	47
15.....	229	792	361	3,260	870	440	307	410	232	182	103	73
16.....	275	696	379	2,830	772	332	410	344	207	175	99	80
17.....	217	606	373	1,690	588	355	391	304	180	2,490	69	73
18.....	230	715	474	1,610	504	347	283	275	229	2,150	103	59
19.....	217	890	1,080	1,460	571	463	267	1,590	217	529	105	47
20.....	246	931	931	993	538	641	302	745	169	224	107	80
21.....	246	792	686	792	425	554	291	340	156	205	97	145
22.....	402	606	410	972	440	554	294	249	131	154	91	135
23.....	440	588	440	1,060	394	488	350	203	145	169	88	107
24.....	456	734	472	890	394	394	277	156	135	194	66	88
25.....	361	792	456	753	391	376	236	191	121	189	64	80
26.....	272	1,100	504	659	410	394	234	219	111	160	60	71
27.....	252	1,270	456	538	472	370	219	152	119	119	54	39
28.....	267	952	726	504	488	329	294	153	125	140	48	22
29.....	259	753	1,310	438	-----	272	224	160	135	148	57	32
30.....	265	538	944	538	-----	329	224	198	150	139	47	66
31.....	419	-----	811	554	-----	338	-----	350	-----	139	40	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	15,300	217	1,620	2.74	3.16
November.....	1,420	277	754	1.27	1.42
December.....	2,740	361	755	1.28	1.48
January.....	3,260	318	871	1.47	1.70
February.....	2,860	391	865	1.46	1.52
March.....	1,120	272	456	.770	.89
April.....	1,010	219	373	.630	.70
May.....	1,590	152	307	.519	.60
June.....	1,240	111	285	.481	.54
July.....	2,490	45	288	.486	.56
August.....	554	40	128	.216	.25
September.....	145	5	60.2	.102	.11
The year.....	15,300	5	563	.951	12.93

HAW RIVER NEAR PITTSBORO, N. C.

LOCATION.—Water-stage recorder installed Oct. 14, 1929, downstream from State highway 90 crossing, 100 feet upstream from Robinsons Creek, and 5 miles east of Pittsboro, Chatham County. Staff gage at same site used prior to Oct. 14.

DRAINAGE AREA.—1,340 square miles.

RECORDS AVAILABLE.—November, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 47,300 second-feet Oct. 2 (gage height, 22.1 feet); minimum, 10 second-feet Sept. 8 (gage height, 1.34 feet). 1928-1930: Maximum discharge, that of Oct. 2, 1929; minimum, that of Sept. 8, 1930.

Flood of August, 1908, reached a stage of about 32.1 feet (discharge, estimated, 98,000 second-feet).

REMARKS.—Records good. Daily regulation present.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13,200	690	986	1,400	1,270	850	618	418	562	140	236	82
2	41,000	626	1,690	1,180	1,510	754	602	467	397	234	164	81
3	20,500	604	7,170	1,090	4,100	690	682	418	425	287	144	29
4	10,000	6,180	3,480	986	5,650	674	930	292	384	114	210	36
5	6,320	4,740	2,400	842	8,400	650	938	325	177	137	119	69
6	1,540	2,140	2,000	858	3,960	554	1,100	384	358	153	171	92
7	1,220	1,400	1,630	770	2,700	841	2,120	510	344	143	146	27
8	738	1,180	1,450	770	2,200	2,180	1,550	634	265	79	797	26
9	778	1,010	1,320	866	1,760	1,950	1,140	432	626	168	674	79
10	850	882	1,090	866	1,540	1,360	986	338	1,590	127	344	47
11	754	834	1,010	810	1,270	1,090	786	364	1,500	127	370	70
12	642	813	1,010	658	1,140	970	690	338	994	108	397	52
13	546	2,480	930	682	1,140	946	634	351	698	75	298	86
14	481	2,210	826	754	1,770	890	626	370	509	185	201	28
15	570	1,630	786	5,200	1,900	850	618	589	446	84	188	142
16	509	1,400	810	6,530	1,500	746	642	810	351	85	133	66
17	502	1,140	778	3,160	1,320	666	666	554	504	1,140	66	50
18	495	1,270	826	3,880	1,090	690	658	467	2,130	7,380	249	52
19	384	1,540	1,950	3,980	1,050	754	578	733	2,370	1,620	270	110
20	338	1,500	2,200	2,800	1,050	1,220	642	1,980	687	722	303	100
21	410	1,360	1,400	1,760	970	1,090	626	771	404	418	156	27
22	786	1,090	1,010	1,980	842	970	562	523	276	370	87	86
23	970	1,270	1,180	2,700	858	938	562	377	276	325	180	114
24	810	1,680	1,680	2,100	850	826	602	320	304	322	48	79
25	746	1,950	1,320	1,720	850	746	562	256	310	325	143	140
26	586	3,230	1,180	1,450	826	826	390	286	216	291	77	105
27	467	3,850	1,180	1,270	810	802	364	332	184	215	78	114
28	453	2,330	1,270	1,140	850	682	418	390	193	226	89	21
29	502	1,680	2,040	1,180	-----	650	474	233	116	152	82	68
30	488	1,320	1,860	1,180	-----	562	446	334	162	210	76	107
31	530	-----	1,400	1,140	-----	650	-----	652	-----	224	29	-----
Month	Maximum		Minimum		Mean		Per square mile		Run-off in inches			
October	41,000		338		3,490		2.66		3.00			
November	6,180		604		1,800		1.34		1.50			
December	7,170		778		1,610		1.20		1.38			
January	6,530		658		1,780		1.33		1.53			
February	8,400		810		1,900		1.42		1.48			
March	2,180		554		905		.675		.78			
April	2,120		364		740		.552		.62			
May	1,980		233		492		.367		.42			
June	2,370		116		592		.442		.49			
July	7,380		75		522		.360		.45			
August	797		29		210		.157		.18			
September	142		21		72.5		.064		.06			
The year	41,000		21		1,170		.873		11.89			

CAPE FEAR RIVER AT LILLINGTON, N. C.

LOCATION.—Water-stage recorder at highway bridge just below No-folk Southern Railroad bridge at Lillington, Harnett County, and 1 mile below Neill Creek.

DRAINAGE AREA.—3,530 square miles.

RECORDS AVAILABLE.—December, 1923, to September, 1930.

EXTREMES.—Maximum discharge during year, 101,000 second-feet Oct. 2 (gauge height, 27.55 feet); minimum, 63 second-feet Sept. 30 (gauge height, 0.35 foot).

1923-1930: Maximum discharge, that of Oct. 2, 1929; minimum, 8 second-feet Oct. 8, 1926 (gauge height, 0.01 foot).

REMARKS.—Records excellent. Discharge estimated Feb. 21-24. Large diurnal fluctuation caused by operation of Buckhorn power plant 14 miles upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	36,100	1,340	3,430	2,960	3,380	1,970	1,610	1,090	1,230	506	404	145-
2-----	93,700	1,380	2,720	2,750	4,090	1,970	1,500	1,040	1,190	428	663	78
3-----	96,100	1,340	19,700	2,480	10,400	1,790	1,560	936	860	398	414	70-
4-----	79,000	14,900	18,000	2,350	15,800	1,730	2,230	828	684	446	290	73
5-----	53,000	21,900	9,270	2,160	24,000	1,670	2,750	719	579	403	305	233-
6-----	19,500	11,500	6,310	1,970	16,700	1,560	3,260	820	518	621	260	82-
7-----	4,990	7,000	5,010	1,970	9,360	2,000	7,020	820	982	488	320	125-
8-----	3,310	5,110	4,330	1,850	6,750	6,200	5,720	1,130	1,100	464	330	246
9-----	2,750	3,590	4,030	1,910	4,950	6,660	3,730	1,060	1,040	350	1,110	102-
10-----	2,280	2,680	3,520	1,910	3,880	4,300	2,890	892	2,430	320	603	178-
11-----	2,090	2,420	3,030	1,910	3,450	3,190	2,220	834	3,510	300	540	290-
12-----	1,910	2,480	2,820	1,670	3,030	2,610	1,850	860	2,360	250	684	194
13-----	1,610	5,150	2,680	1,560	2,890	2,420	1,670	820	1,610	250	745	313-
14-----	1,560	6,220	2,480	1,910	3,200	2,160	1,610	1,190	1,200	386	422	121
15-----	1,440	4,640	2,280	4,160	4,490	2,030	1,560	1,540	1,010	733	268	82-
16-----	1,340	3,590	2,220	15,500	4,180	1,850	1,390	2,570	828	663	322	188-
17-----	1,390	3,100	2,220	11,200	3,590	1,610	1,560	1,850	796	976	238	266
18-----	1,210	2,890	2,220	8,460	3,030	1,790	1,670	1,320	2,540	8,220	768	79
19-----	1,130	3,380	2,640	14,200	2,750	1,850	1,790	1,130	4,680	6,910	636	72-
20-----	1,070	3,590	4,810	8,740	2,610	2,520	2,030	2,250	5,680	2,750	468	168-
21-----	1,100	3,030	3,960	5,740	2,500	3,030	2,030	1,600	5,120	1,380	474	264-
22-----	2,090	2,540	2,890	5,140	2,400	2,540	1,790	1,180	3,450	963	448	88-
23-----	2,350	2,800	2,870	7,360	2,350	2,160	1,500	1,010	1,570	748	222	193-
24-----	2,090	4,920	5,570	6,520	2,300	2,030	1,440	764	792	691	216	298-
25-----	1,850	5,320	5,370	5,140	2,220	1,910	1,340	684	748	698	279	201
26-----	1,730	7,190	4,030	4,180	2,220	2,090	1,150	544	691	579	228	299-
27-----	1,310	15,600	3,520	3,590	2,160	2,220	1,040	635	656	572	293	162-
28-----	1,180	9,960	3,240	3,240	1,970	1,970	1,030	698	551	428	83	236-
29-----	1,230	6,120	3,520	3,170	-----	1,790	990	614	551	422	78	74
30-----	1,180	4,640	4,030	3,380	-----	1,670	981	518	476	320	196	65-
31-----	1,360	-----	3,520	3,240	-----	1,610	-----	730	-----	335	255	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	96,100	1,070	13,600	3.85	4.44
November-----	21,900	1,340	5,680	1.61	1.80
December-----	19,700	2,220	4,720	1.34	1.54
January-----	15,500	1,560	4,590	1.30	1.50
February-----	24,000	1,970	5,380	1.52	1.58
March-----	6,660	1,560	2,420	.686	.79
April-----	7,020	981	2,100	.595	.66
May-----	2,570	518	1,050	.297	.34
June-----	5,680	476	1,650	.467	.52
July-----	8,220	250	1,060	.300	.35
August-----	1,110	78	405	.115	.13
September-----	313	65	166	.047	.05
The year-----	96,100	65	3,570	1.01	13.70

CAPE FEAR RIVER AT FAYETTEVILLE, N. C.

LOCATION.—Water-stage recorder at highway bridge at Fayetteville, Cumberland County, just downstream from mouth of Cross Creek.

DRAINAGE AREA.—4,290 square miles.

RECORDS AVAILABLE.—January, 1889, to May, 1903; September, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 110,000 second-feet Oct. 4 (gage height, 63.43 feet); minimum, 176 second-feet Sept. 4 (gage height, 1.22 feet).

1889-1903, 1928-1930: Maximum discharge, that of Oct. 4, 1929; minimum, that of Sept. 4, 1930.

Maximum known discharge, 133,000 second-feet Aug. 29, 1908 (gage height, about 68.0 feet).

REMARKS.—Records good. Marked daily regulation during low-water periods, owing to operation of Buckhorn Shoals power plant.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	19,000	2,800	6,480	4,730	5,430	3,100	2,500	1,520	1,120	702	1,720	363
2.....	69,800	2,860	5,500	4,310	5,660	3,160	2,380	1,570	1,470	740	1,520	318
3.....	100,000	3,340	17,100	4,100	8,930	3,160	2,220	1,470	1,370	780	1,320	240
4.....	107,000	10,800	23,800	3,890	16,500	3,040	2,620	1,320	1,120	740	880	188
5.....	85,700	25,900	15,100	3,610	24,100	2,920	3,540	1,170	920	740	650	221
6.....	55,000	17,200	11,500	3,280	23,200	2,800	3,820	1,120	900	720	562	388
7.....	21,000	13,500	9,680	3,160	13,700	2,680	6,060	1,220	1,620	860	528	265
8.....	12,300	10,400	8,960	3,160	11,000	5,150	8,270	1,220	2,860	780	615	230
9.....	10,790	7,690	7,500	3,040	8,550	9,100	6,780	1,470	2,980	740	720	458
10.....	7,500	5,500	7,100	3,040	6,400	8,270	4,940	1,270	3,470	632	1,120	352
11.....	5,150	4,610	6,220	2,980	4,400	6,140	3,680	1,120	4,170	562	820	318
12.....	4,370	4,730	5,430	2,800	4,870	4,800	2,920	1,270	4,100	492	760	492
13.....	3,690	6,710	4,940	2,560	4,520	3,960	2,560	1,420	2,920	430	840	384
14.....	3,280	9,500	4,730	2,740	4,450	3,400	2,320	1,820	2,270	562	880	508
15.....	3,160	8,400	4,380	3,470	5,150	3,180	2,320	3,890	1,820	760	632	394
16.....	2,920	6,880	4,080	14,200	6,540	2,980	2,220	4,870	1,520	1,320	545	282
17.....	2,800	5,640	3,960	15,700	6,380	2,680	2,070	5,010	1,370	1,570	545	254
18.....	2,680	5,150	3,890	10,300	5,740	2,620	1,770	3,680	1,620	3,540	880	426
19.....	2,440	5,080	4,100	16,600	4,940	2,800	2,620	2,560	3,680	9,700	1,520	300
20.....	2,270	5,290	5,360	15,500	4,450	3,220	3,680	2,120	5,900	6,060	1,170	248
21.....	2,440	5,080	6,300	10,000	4,170	3,960	3,960	2,800	6,140	2,920	980	251
22.....	4,170	4,520	5,220	8,900	3,890	3,750	3,610	1,970	4,730	1,670	900	440
23.....	5,080	4,240	4,870	9,200	3,400	3,160	2,980	1,620	3,160	1,270	760	335
24.....	5,010	6,480	6,220	10,300	3,400	2,920	2,440	1,420	1,720	1,000	510	335
25.....	4,450	7,550	8,180	9,000	3,540	2,920	2,220	1,170	1,080	960	391	510
26.....	3,890	8,900	7,190	8,180	3,400	2,920	2,020	1,120	980	960	475	388
27.....	3,280	17,880	6,060	5,980	3,400	3,040	1,770	1,120	900	840	370	545
28.....	2,740	13,960	5,290	5,290	3,160	2,980	1,620	1,120	880	760	475	304
29.....	2,560	10,200	4,940	5,150	-----	2,620	1,670	1,040	780	650	288	374
30.....	2,580	8,400	5,360	5,290	-----	2,560	1,620	960	738	580	227	272
31.....	2,740	-----	5,360	5,430	-----	2,440	-----	900	-----	615	290	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	107,000	2,270	18,100	4.27	4.86
November.....	25,900	2,800	8,300	1.97	2.15
December.....	23,800	3,890	7,250	1.69	1.95
January.....	16,600	2,560	6,640	1.55	1.79
February.....	24,100	3,160	7,300	1.70	1.77
March.....	9,100	2,440	3,630	.876	.98
April.....	8,270	1,620	3,110	.775	.81
May.....	5,010	900	1,820	.424	.49
June.....	6,140	738	2,280	.531	.59
July.....	9,700	430	1,440	.336	.39
August.....	1,720	227	771	.180	.21
September.....	598	188	349	.081	.09
The year.....	107,000	188	5,080	1.18	16.08

REEDY FORK NEAR GIBSONVILLE, N. C.

LOCATION.—Water-stage recorder one-fourth mile below Huffines Mill, $1\frac{1}{4}$ miles above Buffalo Creek, and 6 miles northwest of Gibsonville, Guilford County.

DRAINAGE AREA.—133 square miles.

RECORDS AVAILABLE.—September, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 4,090 second-feet Oct. 3 (gage height, 12.65 feet); minimum, 1.1 second-feet Aug. 24 (gage height, 0.41 foot).

1928-1930: Maximum discharge, that of Oct. 3, 1929; minimum, that of Aug. 24, 1930.

REMARKS.—Records good below and fair above 2,500 second-feet. Flow regulated at low stages by storage for Greensboro water supply, which is diverted at confluence of Horsepen Creek and Reedy Fork, 14 miles downstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	620	152	44	209	110	113	116	105	98	16.3	14.0	10.8
2-----	2,710	50	180	205	96	49	115	31	40	18.6	12.3	5.1
3-----	3,550	74	355	150	166	43	50	27	90	16.1	8.9	8.5
4-----	791	207	346	61	310	42	69	24	160	13.3	10.2	8.3
5-----	367	231	364	114	385	40	128	24	95	16.3	24	6.9
6-----	266	189	279	64	349	41	226	29	32	11.6	31	5.8
7-----	207	209	229	62	334	76	168	34	43	18.5	35	2.6
8-----	148	209	218	164	256	205	196	50	163	14.3	39	10.2
9-----	187	205	165	187	220	209	203	26	207	12.9	25	6.4
10-----	179	167	138	126	163	159	126	25	269	15.2	17.8	9.4
11-----	78	59	198	48	128	132	49	22	211	13.3	19.5	8.9
12-----	41	112	147	37	160	164	43	34	187	41	13.8	7.6
13-----	34	203	59	40	207	196	37	72	194	130	13.2	7.2
14-----	38	227	52	315	205	196	38	44	118	92	11.0	5.8
15-----	33	231	46	443	177	125	110	58	39	29	11.4	14.1
16-----	34	194	49	376	198	49	181	138	29	28	12.7	8.9
17-----	31	207	54	349	83	45	108	166	30	132	9.8	8.5
18-----	32	147	168	334	136	48	41	67	39	67	9.6	8.1
19-----	86	271	216	266	198	57	42	342	28	30	12.6	8.9
20-----	80	263	207	187	140	64	45	123	22	24	9.9	22
21-----	38	236	139	181	71	166	35	69	13.8	24	11.1	16.6
22-----	57	168	53	220	104	198	123	32	16.2	16.5	9.8	19.2
23-----	156	218	60	225	51	128	108	29	18.6	19.1	10.9	12.0
24-----	140	225	69	216	51	54	33	57	17.0	18.5	1.8	13.0
25-----	43	126	164	207	50	45	31	117	15.8	13.8	9.0	10.3
26-----	34	187	145	187	152	51	28	39	17.4	15.0	6.4	14.9
27-----	30	253	60	84	189	40	28	24	19.4	11.6	11.6	11.0
28-----	34	239	120	66	187	38	29	22	21	14.7	8.2	4.5
29-----	28	216	236	70	-----	45	36	22	15.8	8.6	5.3	24
30-----	102	92	136	174	-----	148	144	65	17.7	12.2	9.5	22
31-----	192	-----	179	229	-----	57	-----	47	-----	12.4	2.6	-----

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
October-----	3,550	28	334	May-----	342	22	63.4
November-----	271	50	186	June-----	269	13.8	75.6
December-----	364	44	167	July-----	162	8.6	30.2
January-----	443	37	181	August-----	39	1.8	13.8
February-----	385	50	174	September-----	2	2.6	10.7
March-----	209	38	97.5	The year-----			118
April-----	226	28	89.5				

HORSEPEN CREEK AT BATTLE GROUND, N. C.

LOCATION.—Water-stage recorder 1,000 feet upstream from highway bridge, 1 mile northwest of Battle Ground, Guilford County, and 2½ miles above mouth.

DRAINAGE AREA.—15.9 square miles.

RECORDS AVAILABLE.—November, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 680 second-feet Oct. 2 (gage height, 7.23 feet); minimum, 1.8 second-feet Aug. 5.

1925-1930: Maximum discharge, 750 second-feet Feb. 28, 1929 (gage height, 7.45 feet); minimum, 0.7 second-foot July 24, 1926.

REMARKS.—Records good between 3 and 50 second-feet, fair between 50 and 250 second-feet, and poor beyond these limits and for estimated periods.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	293	11	* 30	* 10	16	8.6	7.9	6.0	* 6.0	2.9	2.6	2.6
2.....	518	10	* 90	* 10	27	8.9	7.9	5.6	* 5.4	3.1	2.6	2.6
3.....	44	28	* 30	* 10	48	* 8.2	13	5.4	* 5.2	5.6	2.1	2.5
4.....	18	35	* 20	12	98	* 8.2	12	5.2	4.7	7.7	2.0	2.7
5.....	15	15	* 18	11	62	* 7.9	8.9	5.0	4.7	5.9	1.9	2.8
6.....	14	12	* 17	11	26	* 7.9	33	10	5.4	3.8	2.8	3.1
7.....	12	9.7	15	11	20	* 29	20	9.2	7.6	3.7	18	2.8
8.....	11	8.6	14	11	17	* 32	13	6.3	70	3.2	7.7	3.2
9.....	9.7	7.9	13	11	15	* 11	10	6.0	11	3.2	9.3	3.8
10.....	9.7	* 7.6	13	10	14	* 10	9.7	5.4	8.2	3.1	* 7	3.7
11.....	9.7	* 7.6	12	10	13	* 10	9.2	4.9	6.6	2.6	* 5	3.6
12.....	9.2	* 7.3	11	* 9	13	* 9	9.2	4.9	6.0	2.9	* 4	3.4
13.....	8.9	* 50	11	* 11	19	* 9	8.6	4.9	5.8	2.7	* 4	3.3
14.....	8.6	* 21	10	* 45	31	* 9	8.2	8.4	5.6	3.3	* 4	3.7
15.....	8.6	* 17	9.7	* 63	17	* 8.9	7.9	5.4	5.0	4.3	* 4	2.8
16.....	8.6	15	10	36	14	* 8.9	7.9	4.9	4.7	4.1	3.7	2.7
17.....	8.6	14	10	21	13	* 9	7.6	4.5	5.4	12	3.7	3.3
18.....	8.6	126	17	30	* 13	* 10	7.9	4.1	5.2	5.8	4.1	2.8
19.....	8.6	24	30	22	* 12	* 16	9.7	88	4.3	4.3	3.8	7.4
20.....	8.6	16	16	17	* 11	10	7.9	12	4.0	3.7	3.2	5.0
21.....	9.2	13	14	17	* 11	9.7	7.3	7.3	3.7	3.4	2.9	* 4
22.....	16	12	12	25	10	10	7.3	6.0	3.4	3.3	3.1	* 4
23.....	11	16	15	23	10	9.2	7.0	* 5.8	3.3	3.2	3.1	* 4
24.....	9.7	23	14	18	10	8.9	6.6	5.4	3.2	3.1	2.9	* 3
25.....	9.2	20	13	16	9.7	9.7	6.6	5.0	3.6	2.9	2.7	* 3
26.....	9.2	41	* 12	14	9.2	10	6.6	4.9	3.6	2.6	2.7	* 3
27.....	9.2	26	* 14	14	8.9	8.6	6.3	4.9	4.7	2.3	4.9	3.2
28.....	9.2	18	* 24	14	8.6	8.6	6.3	4.7	3.4	2.4	2.9	2.8
29.....	9.2	15	* 19	13	-----	8.6	6.0	19	3.3	2.9	2.7	2.8
30.....	11	13	* 14	14	-----	8.2	6.0	21	3.1	2.5	2.6	2.9
31.....	12	-----	* 10	* 15	-----	7.9	-----	7.3	-----	2.4	2.5	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	518	8.6	37.0	2.33	2.69
November.....	126	7.3	21.3	1.34	1.50
December.....	90	9.7	18.0	1.1 ^a	1.30
January.....	63	9	17.9	1.1 ^a	1.30
February.....	98	8.6	20.6	1.30	1.35
March.....	32	7.9	10.7	.673	.78
April.....	33	6.0	9.52	.56 ^a	.67
May.....	88	4.1	9.59	.60 ^a	.70
June.....	70	3.1	7.20	.453	.51
July.....	12	2.3	3.84	.272	.28
August.....	18	1.9	4.15	.261	.30
September.....	7.4	2.5	3.35	.211	.24
The year.....	518	1.9	13.6	.855	11.62

* Estimated.

BUFFALO CREEK NEAR GREENSBORO, N. C.

LOCATION.—Water-stage recorder at McConnell Road crossing 3 miles east of Greensboro, Guilford County, and 6 miles above confluence with North Buffalo Creek.

DRAINAGE AREA.—32.8 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 1,360 second-feet Oct. 2 (gage height, 8.40 feet); minimum, 0.3 second-foot Sept. 27, 28.

1928-1930: Maximum discharge, 1,540 second-feet Feb. 28, 1929 (gage height, 8.74 feet); minimum, that of Sept. 27, 28, 1930.

REMARKS.—Records good below and fair above 700 second-feet. Sewage from Greensboro enters just above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	503	16	18	28	37	15	13	9.0	6.0	3.0	2.4	0.9
2	1,180	16	91	25	72	16	13	7.9	5.4	3.1	2.0	1.4
3	427	36	410	26	180	14	20	7.7	4.8	4.0	1.9	1.3
4	46	235	112	24	174	15	32	7.0	4.6	8.7	1.6	1.3
5	25	131	40	20	300	14	18	6.7	4.2	6.0	1.8	1.6
6	22	32	34	20	78	14	89	6.9	5.2	4.4	2.8	1.9
7	20	24	31	21	40	44	90	8.1	16	2.8	2.2	1.3
8	18	20	30	21	34	72	26	14	27	2.5	18	3.2
9	15	19	25	20	26	30	20	68	69	2.2	40	11
10	15	16	24	20	26	21	18	12	31	1.8	42	7.0
11	14	16	22	19	22	21	16	7.7	8.1	1.3	9.4	3.1
12	14	57	21	18	21	15	7.6	6.2	6.1	1.0	4.0	2.0
13	15	213	20	19	25	16	14	7.6	6.2	1.3	2.6	1.4
14	15	62	20	151	113	15	13	22	5.5	1.8	2.2	1.4
15	13	44	20	516	38	15	12	22	5.2	10	2.6	1.6
16	13	34	20	338	28	14	12	8.8	4.9	9.6	3.0	1.6
17	13	25	20	60	24	15	11	7.7	5.8	202	2.6	1.4
18	13	84	26	81	24	19	12	6.9	8.1	199	3.7	1.3
19	12	53	52	71	22	52	14	41	5.2	16	3.4	1.0
20	13	26	31	37	21	55	13	15	4.6	7.6	2.5	5.2
21	14	21	21	36	20	22	11	7.6	4.4	5.0	1.9	3.7
22	31	19	20	60	19	22	12	6.2	4.0	4.0	1.6	2.6
23	19	34	28	65	19	20	11	5.7	3.6	4.0	1.9	2.8
24	15	48	36	40	22	19	10	5.5	3.6	3.6	1.4	2.0
25	14	52	25	32	20	20	9.6	4.8	3.8	3.0	1.3	1.4
26	13	98	28	28	19	22	9.4	4.4	3.7	2.8	1.8	1.3
27	13	117	38	26	18	16	9.4	4.4	7.6	2.4	1.6	.8
28	13	42	75	28	15	15	9.6	4.4	4.4	2.8	2.0	.7
29	13	28	99	25	-----	15	9.8	5.6	3.1	4.6	.8	.5
30	21	21	44	24	-----	15	9.4	48	2.6	3.8	.8	1.2
31	21	-----	32	31	-----	13	-----	11	-----	3.0	.9	-----

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
October	1,180	12	83.6	May	68	4.4	12.9
November	235	16	54.6	June	69	2.6	9.13
December	410	18	48.8	July	202	1.0	17.0
January	516	18	62.3	August	42	.8	5.38
February	300	15	52.0	September	11	.5	2.26
March	72	13	22.5				
April	90	9.4	19.1	The year	1,180	.5	32.4

NORTH BUFFALO CREEK NEAR GREENSBORO, N. C.

LOCATION.—Water-stage recorder at county highway bridge 3 miles above junction with Buffalo Creek and 6 miles northwest of Greensboro, Guilford County.

DRAINAGE AREA.—36.4 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 1,320 second-feet Oct. 2 (gage height, 9.59 feet); minimum, 3.9 second-feet Aug. 31 (gage height, 0.89 foot).
1928–1930: Maximum discharge, 1,620 second-feet Feb. 28, 1927; minimum, that of Aug. 31, 1930.

REMARKS.—Records fair. Sewage from Greensboro and Proximity Mills enters above station.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	761	18.0	23	36	47	22	23	19.6	13.3	11.8	7.1	5.0
2.....	1,120	18.0	234	33	121	22	24	18.0	12.7	12.4	5.5	7.8
3.....	134	44	267	35	145	21	45	15.4	16.0	12.4	5.7	8.0
4.....	39	175	59	28	260	24	41	13.9	16.4	21	6.3	7.3
5.....	27	48	43	24	183	24	25	13.9	15.7	11.2	8.8	6.3
6.....	23	29	38	24	79	24	138	71	34	8.8	14.2	5.4
7.....	22	26	33	27	54	75	70	44	39	8.2	21	5.0
8.....	22	23	31	28	47	93	33	22	100	10.3	28	9.5
9.....	20	20	28	26	38	35	30	54	156	11.2	88	9.8
10.....	19.6	17.2	28	25	36	28	28	15.7	51	9.5	74	10.9
11.....	18.4	19.2	28	24	34	31	26	13.9	22	8.2	36	10.9
12.....	17.2	143	26	21	34	29	24	15.4	15.7	7.5	14.2	10.3
13.....	14.5	118	25	22	54	28	22	18.8	15.1	7.1	12.7	7.8
14.....	15.4	46	24	537	125	24	22	47	14.5	9.0	10.3	8.8
15.....	18.4	46	21	634	45	20	23	23	13.3	28.0	11.8	6.5
16.....	19.2	33	24	160	36	21	23	16.4	12.7	20	8.2	8.2
17.....	20	27	26	74	34	22	24	14.5	16.4	266	8.8	10.0
18.....	15.7	101	38	120	34	28	23	13.6	20	40	9.8	8.0
19.....	14.2	44	64	68	34	101	26	198	14.2	16.8	12.4	12.1
20.....	11.8	32	35	50	31	53	21	32	11.8	11.8	11.8	16.0
21.....	14.2	27	25	50	30	32	18.8	21	10.0	10.9	9.0	9.5
22.....	37	26	23	84	26	35	22	18.8	9.8	14.5	8.2	7.8
23.....	21	41	32	68	26	28	22	15.1	10.0	15.7	6.7	10.0
24.....	18.8	49	38	48	28	27	21	12.7	13.6	10.3	5.9	10.6
25.....	16.8	49	27	40	29	35	23	10.9	16.8	9.8	6.3	9.0
26.....	16.0	127	28	35	28	34	18.4	11.2	13.0	7.8	8.0	7.8
27.....	13.0	68	41	36	27	26	15.7	14.5	20	7.1	9.0	7.3
28.....	13.0	41	107	38	25	24	15.1	14.2	9.2	7.5	7.1	6.9
29.....	15.7	30	96	34	-----	23	18.8	20	8.8	13.3	5.9	6.7
30.....	33	26	48	34	-----	21	19.6	68	9.2	10.0	4.9	9.5
31.....	23	-----	41	40	-----	21	-----	18.8	-----	10.0	4.6	-----

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
October.....	1,120	11.8	83.0	May.....	198	10.9	29.2
November.....	175	17.2	50.4	June.....	156	8.8	24.3
December.....	267	21	51.6	July.....	266	7.1	20.9
January.....	634	21	80.7	August.....	88	4.6	15.2
February.....	260	25	60.4	September.....	16.0	5.0	8.62
March.....	101	20	33.3	The year.....	1,120	4.6	40.6
April.....	138	15.1	29.7				

MORGAN CREEK NEAR CHAPEL HILL, N. C.

LOCATION.—Water-stage recorder just below mouth of Neville Creek, 2½ miles southwest of Chapel Hill, Orange County, and 7 miles above mouth of creek.

DRAINAGE AREA.—29 square miles.

RECORDS AVAILABLE.—January, 1923, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,730 second-feet Oct. 2 (gauge height, 15.43 feet); minimum, 1.3 second-feet Sept. 3.

1923-1930: Maximum discharge, about 30,000 second-feet Aug. 4, 1924 (gauge height, about 25.0 feet); minimum, 0.47 second-foot Sept. 11, 1925.

REMARKS.—Records good. Since July, 1925, water diverted short distance upstream for water supply of Chapel Hill. Tables of discharge include this diversion.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,570	16.4	27	28	33	23	15.9	12.0	7.8	7.5	4.7	1.89
2.....	1,910	16.7	158	28	87	22	15.9	11.2	7.1	9.7	4.1	2.00
3.....	117	292	132	28	114	21	48	10.8	6.3	7.2	3.5	1.30
4.....	57	297	59	26	205	20	34	10.2	6.1	6.6	3.5	1.71
5.....	42	83	45	23	129	19.8	23	10.0	6.1	9.4	3.2	1.58
6.....	35	48	39	21	64	19.0	104	10.0	14.8	9.2	3.4	1.58
7.....	29	40	36	22	47	53	59	9.8	11.4	6.5	4.4	1.53
8.....	26	34	34	22	40	47	37	9.7	23	5.7	4.2	2.2
9.....	23	28	30	22	36	31	26	10.0	16.1	5.3	7.5	2.2
10.....	21	27	28	21	33	25	23	9.1	14.2	5.3	6.6	2.6
11.....	21	26	27	19.8	30	25	21	8.8	8.6	5.0	4.1	2.2
12.....	21	49	26	19.4	28	23	21	9.2	16.3	4.7	3.0	2.7
13.....	21	46	26	23	29	21	19.4	9.4	12.2	13.5	3.0	3.6
14.....	19.0	35	26	32	34	20	18.6	14.2	8.6	10.0	3.2	3.5
15.....	18.2	31	26	85	28	19.4	17.8	12.4	7.9	9.7	3.8	2.6
16.....	19.8	28	26	44	27	18.2	17.0	9.8	7.2	8.2	3.8	2.00
17.....	21	26	26	31	25	19.0	17.4	9.4	687	87	10.4	2.2
18.....	18.6	35	34	169	24	20.0	20	8.6	184	17.8	7.8	1.95
19.....	15.3	27	35	70	24	37	27	14.6	201	11.2	4.7	3.2
20.....	15.3	24	28	46	24	26	21	8.5	37	8.5	3.8	4.7
21.....	40	23	25	41	25	22	17.4	6.7	25	7.0	3.2	3.8
22.....	63	21	26	93	25	20	16.4	6.9	19.0	6.3	3.1	2.8
23.....	26	52	46	64	27	19.4	15.0	6.7	14.8	7.2	3.0	2.5
24.....	21	47	42	48	28	19.4	14.5	6.7	12.7	16.9	3.0	2.3
25.....	19.4	39	36	39	26	22	13.8	7.4	12.4	6.1	2.6	2.2
26.....	16.7	188	35	35	25	23	13.8	6.1	11.6	5.2	2.4	1.90
27.....	16.7	82	34	33	24	18.2	13.8	5.9	11.8	4.8	2.1	1.75
28.....	16.2	50	33	34	25	17.4	13.3	5.3	9.6	4.6	1.65	1.68
29.....	16.4	38	32	31	-----	19.4	12.9	44	8.5	4.2	2.1	1.40
30.....	18.2	31	31	31	-----	17.4	12.9	27	7.8	3.7	1.95	1.31
31.....	18.2	-----	30	30	-----	16.2	-----	10.2	-----	4.1	1.85	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	1,910	15.3	138	5.11	5.89
November.....	297	16.4	59.3	2.20	2.46
December.....	158	25	39.9	1.48	1.71
January.....	169	19.4	40.6	1.50	1.73
February.....	205	23	45.1	1.67	1.74
March.....	53	16.2	23.3	.863	.99
April.....	104	12.9	24.3	.900	1.00
May.....	44	5.3	11.0	.407	.47
June.....	687	6.1	47.2	1.75	1.95
July.....	87	3.7	10.4	.385	.44
August.....	10.4	1.65	3.86	.143	.16
September.....	4.7	1.30	2.29	.085	.09
The year.....	1,910	1.30	37.1	1.37	18.63

WEST FORK OF DEEP RIVER NEAR HIGH POINT, N. C.

LOCATION.—Water-stage recorder one-fourth mile above State highway crossing at head of High Point Reservoir, 1½ miles northwest of Jamestown, and 3½ miles northeast of High Point, Guilford County.

DRAINAGE AREA.—33 square miles.

RECORDS AVAILABLE.—June, 1923, to September, 1926; July, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 1,200 second-feet Oct. 2 (gage height, 11.22 feet); minimum, 0.7 second-foot July 9.

1923-1926, 1928-1930: Maximum discharge, 1,440 second-feet Feb. 28, 1929 (gage height, 12.35 feet); minimum, that of July 9, 1930.

REMARKS.—Records fair except those for estimated periods, Mar. 15-19, Sept. 27-30, which are poor. Flow slightly regulated by gristmill 4 miles upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	747	8.3	12.6	14.8	25	17.6	17.1	13.0	17.1	5.0	4.3	2.2
2.....	954	7.9	247	13.5	63	17.1	17.1	13.0	13.0	4.6	4.3	2.2
3.....	151	86	196	18.1	98	16.6	31	12.6	10.5	5.9	3.8	2.0
4.....	44	140	43	11.8	220	16.6	27	12.6	9.4	9.4	3.3	1.8
5.....	28	33	27	10.5	139	16.6	18.6	14.3	9.0	9.4	3.1	2.2
6.....	23	19.5	21	10.2	51	17.1	86	18.6	16.2	4.3	5.0	2.7
7.....	19.0	15.7	18.1	10.2	36	70	44	17.6	84	3.6	4.6	9.5
8.....	16.6	13.5	17.1	9.8	28	79	25	13.9	245	3.3	11.3	9.8
9.....	15.2	11.8	13.9	9.4	23	30	19.5	13.0	46	2.5	4.6	12.6
10.....	14.3	10.2	12.6	9.0	21	22	18.1	12.2	43	3.3	5.3	5.6
11.....	13.9	9.8	11.8	8.3	18.6	22	17.1	13.0	21	2.2	9.0	4.6
12.....	13.9	142	11.3	8.3	18.1	19.0	16.6	13.5	16.2	2.2	3.8	4.0
13.....	13.5	101	11.3	8.7	43	17.6	16.2	13.0	15.2	2.7	3.6	13.2
14.....	13.0	33	12.6	170	88	17.1	15.2	21	13.5	4.3	3.3	7.9
15.....	12.2	44	13.0	240	33	17	14.8	15.2	11.3	7.2	5.3	4.6
16.....	12.2	24	13.0	92	24	17	14.3	14.3	10.5	6.6	3.6	3.8
17.....	11.8	18.6	12.2	34	21	18	17.1	14.8	13.0	29	30	6.2
18.....	11.3	151	34	56	20	19	19.0	13.0	21	12.2	8.7	3.3
19.....	11.3	34	39	30	19.0	39	20.0	116	10.2	7.6	6.9	11.6
20.....	11.3	21	16.2	21	18.1	22	16.2	19.5	8.3	5.6	5.6	12.6
21.....	13.9	15.7	11.8	22	17.6	19.0	19.5	11.8	7.9	4.6	4.6	7.9
22.....	99	13.5	11.8	47	17.1	21	21	9.0	7.2	6.6	4.6	6.6
23.....	15.2	22	16.2	36	20	18.1	15.7	7.6	6.6	5.0	5.3	5.6
24.....	10.5	31	14.3	24	18.6	19.0	15.2	6.9	9.4	4.0	4.6	5.6
25.....	9.0	25	12.6	18.6	18.1	22	15.7	5.9	12.2	3.3	4.0	5.3
26.....	8.3	91	12.6	15.2	18.1	20	15.7	5.3	9.4	2.9	3.6	5.0
27.....	7.9	40	20	15.7	17.6	16.6	14.8	5.3	11.8	2.7	4.0	5.0
28.....	7.6	23	82	15.2	17.6	16.2	15.2	5.0	6.2	3.3	2.9	4.6
29.....	7.6	16.6	59	13.5	-----	16.6	14.8	117	6.2	24	2.7	4.6
30.....	11.3	12.2	25	38	-----	16.6	13.9	173	5.3	5.6	2.7	4.3
31.....	9.0	-----	17.6	36	-----	16.6	-----	30	-----	5.3	2.2	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	954	7.6	75.3	2.28	2.63
November.....	151	7.9	40.5	1.23	1.37
December.....	247	11.3	34.4	1.04	1.20
January.....	240	8.3	34.4	1.04	1.20
February.....	220	17.1	41.1	1.25	1.30
March.....	79	16.2	23.0	.697	.80
April.....	86	13.9	21.0	.636	.71
May.....	173	5.0	24.9	.755	.87
June.....	245	5.3	23.9	.724	.81
July.....	29	2.2	6.39	.104	.22
August.....	30	2.2	5.50	.167	.19
September.....	12.6	1.8	5.90	.179	.20
The year.....	954	1.8	28.0	.848	11.50

DEEP RIVER NEAR RANDLEMAN, N. C.

LOCATION.—Water-stage recorder 500 feet downstream from county bridge at Coltrane's mill, half a mile south of Guilford County line, and 7 miles north of Randleman, Randolph County.

DRAINAGE AREA.—124 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 4,650 second-feet Oct. 2 (gage height, 20.08 feet); minimum, 1.3 second-feet Oct. 24 (gage height, 1.50 feet). 1928-1930: Maximum discharge, 5,790 second-feet Feb. 28, 1929 (gage height, 23.9 feet); minimum, that of Oct. 24, 1929.

REMARKS.—Records good except those for estimated periods, May 14-18, 23, 24, which are fair. Flow regulated by Coltrane's mill and by storage in High Point municipal reservoir.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,530	33	92	129	106	49	63	38	37	14.1	13.1	4.6
2.....	4,110	62	679	117	240	75	65	50	64	12.8	7.2	5.6
3.....	718	151	960	111	488	83	89	36	27	244	5.9	7.7
4.....	187	687	288	90	887	61	134	21	35	30	13.0	5.6
5.....	104	243	205	85	737	60	85	46	35	23	11.3	5.6
6.....	108	153	165	114	299	62	256	34	25	25	7.9	8.1
7.....	99	117	122	98	220	124	247	66	136	50	9.3	5.9
8.....	82	92	126	84	169	280	150	51	430	17.4	13.8	7.2
9.....	66	86	140	44	148	134	90	45	192	12.3	11.7	38
10.....	58	36	108	68	155	117	73	58	92	18.3	14.0	59
11.....	44	37	104	63	124	91	87	8.9	30	22	20	64
12.....	52	286	95	48	107	89	59	54	35	11.4	17.4	62
13.....	29	550	89	86	124	70	66	23	35	6.9	13.8	49
14.....	70	228	83	1,150	302	68	87	40	39	8.8	14.2	68
15.....	58	197	68	1,350	164	51	73	25	14.9	15.0	13.5	78
16.....	29	169	98	610	131	63	64	35	56	37	32	62
17.....	49	132	81	272	140	85	64	20	22	271	32	64
18.....	28	514	114	349	91	88	69	8	60	117	46	37
19.....	54	248	202	270	104	149	39	180	34	34	36	8.8
20.....	19.2	164	165	208	96	164	66	195	40	28	33	8.2
21.....	18.1	126	86	168	89	90	80	44	24	53	33	5.9
22.....	154	90	94	233	83	85	64	23	7.8	23	93	7.3
23.....	119	124	126	252	76	80	63	15	44	29	25	5.6
24.....	58	168	130	201	125	109	55	11	17.4	30	6.9	4.6
25.....	30	213	112	140	87	91	47	7.8	52	16.4	5.9	5.5
26.....	50	410	108	140	78	104	46	6.2	21	12.5	6.5	6.8
27.....	23	321	125	162	75	77	38	9.4	78	9.2	15.3	8.1
28.....	66	213	273	130	71	73	58	15.5	23	12.4	9.4	4.3
29.....	42	153	344	124	-----	53	52	149	9.4	44	7.7	7.0
30.....	48	97	205	121	-----	58	43	696	48	26	4.0	4.0
31.....	68	-----	150	144	-----	82	-----	154	-----	28	5.0	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	4,110	18.1	296	2.39	2.76
November.....	687	33	203	1.64	1.83
December.....	960	68	185	1.49	1.72
January.....	1,350	44	231	1.86	2.14
February.....	887	71	197	1.59	1.66
March.....	280	49	92.4	.745	.86
April.....	256	38	82.4	.665	.74
May.....	696	6.2	69.8	.563	.65
June.....	430	7.8	58.8	.474	.53
July.....	271	6.9	41.3	.333	.38
August.....	93	4.0	18.6	.150	.17
September.....	78	4.0	23.6	.190	.21
The year.....	4,110	4.0	125	1.01	13.65

DEEP RIVER AT RAMSEUR, N. C.

LOCATION.—Water-stage recorder 2,000 feet downstream from railroad station at Ramseur, Randolph County, and 1½ miles below mouth of Sandy Creek.

DRAINAGE AREA.—343 square miles.

RECORDS AVAILABLE.—November, 1922, to September, 1930.

EXTREMES.—Maximum discharge during year, about 17,600 second-feet⁺ Oct. 2 (gage height, 22.13 feet); minimum, 11 second-feet Sept. 14, 15 (gage height, 0.40 foot).

1922-1930: Maximum discharge (estimated), 21,100 second-feet Sept. 19, 1928 (gage height, 25.44 feet); minimum, 10 second-feet Aug. 4, 1925, and several times in October, 1925 (gage height, 0.37 foot).

REMARKS.—Records good below and fair above 6,000 second-feet.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	7,400	145	204	338	379	194	186	125	70	76	70	24
2.....	15,500	132	1,010	204	639	203	165	122	97	68	43	46
3.....	3,490	196	2,450	272	1,260	240	188	104	109	199	28	46
4.....	777	1,490	764	232	1,860	201	340	76	103	152	31	42
5.....	385	756	492	204	2,270	186	257	125	100	68	66	38
6.....	288	377	409	252	858	176	510	122	62	43	93	20
7.....	300	302	355	248	600	434	773	122	270	84	88	16
8.....	230	234	329	214	496	827	401	124	588	80	55	15
9.....	212	200	329	212	414	483	313	250	536	87	36	14
10.....	174	156	304	166	388	348	220	136	598	86	33	14
11.....	165	176	262	168	350	306	210	94	186	56	39	13
12.....	140	204	234	143	330	280	188	142	126	39	84	12
13.....	107	996	233	220	311	250	180	133	75	38	78	12
14.....	146	516	203	1,200	734	214	219	261	88	43	78	12
15.....	143	386	204	3,480	486	192	192	260	64	49	54	17
16.....	139	339	189	2,080	368	166	178	232	45	75	39	52
17.....	126	280	208	718	337	230	150	147	135	2,390	33	46
18.....	112	611	214	953	320	232	172	105	504	1,210	93	52
19.....	122	528	704	896	262	266	163	142	160	234	90	53
20.....	88	324	526	552	285	490	122	351	121	109	84	18
21.....	138	272	300	466	267	324	196	237	86	133	76	17
22.....	149	224	217	674	226	219	196	172	56	111	49	57
23.....	229	234	437	746	230	216	158	103	92	135	35	61
24.....	199	411	540	561	342	249	146	69	101	87	31	59
25.....	147	539	385	448	312	252	140	50	93	45	43	55
26.....	134	1,070	402	380	242	270	96	95	98	40	70	36
27.....	91	995	394	368	223	234	93	90	71	39	71	28
28.....	97	548	522	372	219	198	158	86	54	79	66	18
29.....	56	419	725	348	-----	166	133	80	64	84	71	18
30.....	52	292	485	346	-----	152	130	676	73	85	26	55
31.....	53	-----	378	330	-----	230	-----	416	-----	86	24	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	15,500	52	1,010	2.94	3.39
November.....	1,490	132	445	1.30	1.45
December.....	2,450	189	465	1.36	1.57
January.....	3,480	143	577	1.68	1.94
February.....	2,270	219	536	1.56	1.62
March.....	827	152	272	.793	.91
April.....	773	93	219	.638	.71
May.....	676	50	169	.493	.57
June.....	598	45	161	.469	.52
July.....	2,390	38	197	.574	.66
August.....	93	24	57.5	.168	.19
September.....	61	12	32.2	.094	.10
The year.....	15,500	12	345	1.01	13.63

DEEP RIVER AT MONCURE, N. C.

LOCATION.—Water-stage recorder $1\frac{1}{2}$ miles northwest of Moncure, Chatham County.

DRAINAGE AREA.—1,340 square miles.

RECORDS AVAILABLE.—May, 1898, to December, 1899; July to September, 1930.

EXTREMES.—Maximum discharge during year, 3,240 second-feet July 18 (gage height, 3.82 feet); minimum, 25 second-feet Sept. 30 (gage height, 0.62 foot).
1898-99, 1930: Maximum discharge, 24,600 second-feet Feb. 8, 1899; minimum, that of Sept. 30, 1930.

REMARKS.—Records excellent. Discharge estimated July 26, 27. Flow regulated by power plants above station.

Daily and monthly discharge, in second-feet, 1930

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1		580	95	11		75	69	21	539	204	65
2		273	69	12		180	64	22	358	195	168
3		79	170	13		75	64	23	177	186	122
4		104	73	14		104	66	24	317	146	62
5		128	44	15		71	64	25	208	71	48
6		69	55	16		145	52	26	190	110	38
7		96	146	17	218	153	50	27	170	164	32
8		138	84	18	1,470	329	50	28	150	71	32
9		204	58	19	2,550	107	71	29	142	96	28
10		146	73	20	1,060	168	49	30	62	68	26
								31	39	39	-----
Month				Maximum	Minimum	Mean	Per square mile	Run-off in inches			
July 17-31				2,550	39	510	0.381	0.21			
August				580	39	148	.110	.13			
September				170	26	69.6	.052	.06			

EAST FORK OF DEEP RIVER NEAR HIGH POINT, N. C.

LOCATION.—Water-stage recorder at county highway bridge one-fourth mile upstream from High Point Reservoir, 1 mile east of Deep River Church, and 6 miles northeast of High Point, Guilford County.

DRAINAGE AREA.—13.9 square miles.

RECORDS AVAILABLE.—July, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 750 second-feet Oct. 2 (gage height, 4.40 feet); minimum, 1.9 second-feet Sept. 3 (gage height, 3.24 foot).

1928-1930: Maximum discharge, 1,040 second-feet Apr. 15, 1929 (gage height, 5.15 feet); minimum, that of Sept. 3, 1930.

REMARKS.—Records good below and fair above 300 second-feet, except those for estimated period, Nov. 12 to Jan. 15, which are poor.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	464	6.2	10	12	15.5	9.6	7.7	5.5	6.5	3.7	3.2	2.3
2	333	6.2	150	11	48	9.2	8.0	5.3	6.0	3.6	3.2	2.3
3	29	51		14	61	8.6	17.1	5.3	5.8	3.8	3.0	2.2
4	14.5	37		10.7	118	8.6	11.9	5.1	5.5	5.8	3.0	2.2
5	11.5	13.5		10	52	8.6	9.2	4.9	5.3	8.6	4.4	2.2
6	10.0	10.3	30	10	28	8.6	57	30	7.6	3.6	3.6	2.3
7	8.6	8.9		10	22	39	21	8.6	32	3.4	14.6	4.2
8	7.4	8.0		10	18	43	12.2	6.2	40	3.1	5.0	3.0
9	7.1	7.4		10	15.5	15.0	10.7	6.2	8.6	3.1	3.4	3.7
10	6.8	7.1	12	10	14.0	11.9	10.0	5.8	7.1	3.0	6.2	3.0
11	6.5	7.1	11.5	10.0	13.0	12.2	9.2	5.5	6.0	3.0	4.2	2.8
12	6.5		11	10	12.6	10.3	9.2	5.5	6.0	2.8	3.0	2.8
13	6.2		10	10	31	9.6	8.9	5.3	5.8	3.2	3.0	3.6
14	6.2		10	120	34	9.2	8.6	9.6	5.8	3.2	3.0	2.8
15	6.0	35	11	150	18.7	8.9	8.0	6.0	5.5	4.2	3.4	2.5
16	5.8		11	38	15.0	8.9	8.0	5.3	5.5	3.7	3.0	2.4
17	5.5			23	13.0	9.2	7.7	5.1	6.2	11.7	7.8	3.4
18	5.3			41	12.6	10.7	8.0	5.1	5.5	4.2	3.4	2.4
19	5.5	20		24	12.2	22	10.0	69	4.9	3.6	3.2	5.8
20	5.5	16	14	18.7	11.9	12.2	7.7	8.3	4.7	3.4	2.8	3.2
21	6.4	13		20	11.1	10.7	7.4	6.5	4.7	3.1	2.8	3.1
22	27	10.7		37	10.7	11.5	7.4	5.8	4.4	3.4	3.0	2.8
23	7.1	15	14.0	28	11.5	10.0	6.8	5.5	4.4	3.0	2.8	2.6
24	6.5	23		20	11.1	10.3	6.5	5.1	4.9	2.8	2.6	2.6
25	6.2	18		16.5	10.7	13.0	6.5	4.9	4.9	2.8	2.6	2.5
26	6.2	40		15.0	10.3	10.7	6.2	4.7	4.4	2.6	2.5	2.4
27	6.0	25	18	14.5	9.2	8.9	6.2	4.7	4.4	2.8	2.5	2.3
28	6.0	15.0		14.0	9.2	8.6	6.2	4.4	3.8	11.6	2.5	2.3
29	6.0	13		12.6		8.6	6.0	29	3.7	10.9	2.4	2.3
30	7.7	10		16.2		8.3	6.0	42	3.7	3.6	2.4	2.3
31	6.5			16.0		8.0		8.0		3.4	2.3	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	464	5.3	33.6	2.42	2.79
November	51	6.2	20.9	1.50	1.67
December			22.2	1.60	1.84
January	150	10	24.6	1.77	2.04
February	118	9.2	23.2	1.67	1.74
March	43	8.0	12.4	.892	1.03
April	57	6.0	10.5	.755	.84
May	69	4.4	10.6	.763	.88
June	40	3.7	7.45	.536	.60
July	11.7	2.6	4.35	.313	.36
August	14.6	2.3	3.70	.266	.31
September	5.8	2.2	2.81	.202	.33
The year	464	2.2	14.7	1.06	14.33

LOWER LITTLE RIVER AT LINDEN, N. C.

LOCATION.—Chain gage at State highway crossing 1 mile west of Linden, Cumberland County, three-fourths mile upstream from Stewart Creek, and $3\frac{1}{4}$ miles above mouth.

DRAINAGE AREA.—450 square miles.

RECORDS AVAILABLE.—November, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 10,300 second-feet Oct. 2; maximum gage height, 35.5 feet Oct. 4; minimum discharge, 58 second-feet Sept. 15 (gage height, 2.38 feet).

1928-1930: Maximum discharge and gage height, those of October, 1929; minimum, that of Sept. 15, 1930.

Maximum stage known, 37.3 feet, Sept. 21, 1928 (estimated discharge, 13,000 second-feet).

REMARKS.—Records good. Gage heights affected by backwater from Cape Fear River Oct. 1-6; discharge determined from daily discharge measurements.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,280	815	975	695	895	535	495	335	148	148	535	85
2.....	8,920	735	895	535	935	535	420	214	168	130	335	85
3.....	10,000	615	2,060	655	1,060	655	455	278	179	158	251	82
4.....	8,850	1,300	2,200	735	1,220	575	535	306	168	148	148	73
5.....	5,950	2,560	2,200	615	1,560	575	575	320	114	122	139	85
6.....	2,950	2,640	1,660	575	1,610	455	695	202	122	92	130	99
7.....	1,880	2,100	1,260	575	1,380	455	935	202	251	84	122	106
8.....	1,700	1,700	1,520	615	1,140	1,140	935	190	655	148	130	106
9.....	1,220	1,260	1,430	495	895	1,100	695	190	815	158	139	130
10.....	1,220	1,060	1,380	575	815	1,020	535	168	695	168	130	122
11.....	1,380	935	1,180	535	815	775	402	226	615	122	122	122
12.....	1,060	1,220	1,060	535	735	575	495	264	455	130	114	122
13.....	935	1,560	1,020	535	775	655	368	278	335	106	106	122
14.....	935	1,430	935	615	775	615	495	695	350	158	122	106
15.....	855	1,220	935	655	855	495	455	1,920	402	238	122	75
16.....	815	1,180	895	1,100	1,180	420	292	1,700	202	455	148	106
17.....	775	1,020	815	1,100	1,060	420	455	1,180	202	535	148	139
18.....	655	1,060	855	1,100	935	495	385	655	320	655	402	122
19.....	655	1,020	935	1,220	815	535	855	535	320	535	335	122
20.....	655	975	935	1,300	775	535	1,060	320	335	402	238	139
21.....	655	815	935	1,180	695	575	895	502	350	214	278	130
22.....	1,610	815	855	975	575	495	695	306	306	168	158	130
23.....	1,560	975	975	1,020	655	335	535	238	264	190	158	130
24.....	1,430	1,340	1,060	1,060	655	455	402	168	168	139	148	130
25.....	1,020	1,340	1,060	1,020	615	495	535	214	122	122	114	122
26.....	855	1,480	1,060	855	575	495	455	226	114	226	122	122
27.....	735	1,560	935	735	615	495	350	292	139	158	122	122
28.....	655	1,560	775	735	615	455	368	226	168	139	122	122
29.....	615	1,380	775	855	-----	495	335	214	148	202	122	122
30.....	855	1,140	735	1,020	-----	420	368	190	130	179	114	106
31.....	855	-----	695	895	-----	455	-----	190	-----	179	106	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	10,000	615	2,080	4.62	5.33
November.....	2,640	615	1,290	2.87	3.20
December.....	2,200	695	1,130	2.51	2.89
January.....	1,300	495	810	1.80	2.08
February.....	1,610	575	901	2.00	2.08
March.....	1,140	335	572	1.27	1.46
April.....	1,060	292	549	1.22	1.36
May.....	1,920	168	414	.920	1.06
June.....	815	114	292	.649	.72
July.....	655	84	213	.473	.55
August.....	535	106	177	.393	.45
September.....	139	73	113	.251	.28
The year.....	10,000	73	712	1.58	21.46

ROCKFISH CREEK NEAR FAYETTEVILLE, N. C.

LOCATION.—Chain gage at State highway crossing 3 miles upstream from Cape Fear River and 6 miles south of Fayetteville, Cumberland County.

DRAINAGE AREA.—292 square miles.

RECORDS AVAILABLE.—October, 1902, to May, 1903; November, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year (estimated), 5,200 second-feet Oct. 3; maximum gage height, 50.9 feet Oct. 4; minimum discharge, 29 second-feet Sept. 28 (gage height, -0.10 foot).

REMARKS.—Records fair except those for estimated periods, which are poor. Flow regulated by operation of large cotton mills on both forks of creek.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	a 930	602	a 680	543	800	543	602	365	198	385	140	174
2.....	a 3,100	563	681	642	681	504	543	286	306	306	174	326
3.....	a 4,900	425	a 1,500	661	a 880	622	484	236	346	365	306	190
4.....	a 4,000	1,000	a 1,900	622	a 1,100	642	504	134	190	226	286	146
5.....	a 2,400	a 1,850	a 1,900	484	a 1,300	563	405	365	198	405	266	92
6.....	a 1,400	a 2,050	a 1,400	483	a 1,400	602	425	425	198	405	306	134
7.....	a 1,050	a 1,650	a 1,100	661	a 1,150	445	720	425	405	326	268	57
8.....	a 880	a 1,300	a 1,150	642	a 950	760	1,180	405	1,000	405	365	174
9.....	a 800	a 1,100	a 1,240	622	a 780	1,280	920	266	820	346	166	346
10.....	a 760	840	a 1,020	622	a 700	1,340	622	46	622	246	65	226
11.....	a 740	661	a 960	563	701	800	583	112	701	286	346	306
12.....	642	780	800	385	602	701	226	524	504	152	326	306
13.....	484	1,040	780	464	642	405	326	464	504	42	306	102
14.....	563	1,360	701	602	602	405	326	602	524	182	226	46
15.....	622	1,360	543	642	740	563	583	1,040	207	385	152	236
16.....	583	1,240	622	a 1,050	880	326	464	1,000	445	405	128	182
17.....	563	860	701	a 1,050	840	326	385	800	504	464	42	286
18.....	543	760	701	a 840	820	563	405	484	681	524	365	159
19.....	464	760	681	a 880	740	445	602	661	720	1,380	385	266
20.....	346	720	800	a 880	642	602	642	524	740	701	445	123
21.....	602	701	780	a 780	661	563	622	385	681	425	504	41
22.....	1,080	642	681	a 740	583	266	720	266	286	365	524	159
23.....	920	622	760	a 780	306	182	583	405	346	346	236	346
24.....	880	720	940	a 900	524	604	563	326	405	365	49	266
25.....	800	1,120	1,200	a 920	602	524	445	226	306	326	236	256
26.....	642	a 1,350	1,120	a 840	524	464	286	286	246	42	326	286
27.....	563	a 1,450	900	a 900	622	286	236	425	61	40	326	207
28.....	445	a 1,350	760	701	445	445	326	346	166	286	306	29
29.....	622	a 1,150	622	780	-----	365	524	118	97	306	97	123
30.....	622	a 850	701	780	-----	286	425	226	88	286	65	306
31.....	583	-----	701	800	-----	484	-----	236	-----	53	39	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	4,900	346	1,080	3.70	4.27
November.....	2,050	425	1,030	3.53	3.94
December.....	1,900	543	936	3.21	3.70
January.....	1,050	385	721	2.47	2.85
February.....	1,400	306	758	2.60	2.71
March.....	1,340	182	542	1.86	2.14
April.....	1,180	226	523	1.79	2.00
May.....	1,040	46	400	1.37	1.58
June.....	1,000	61	416	1.42	1.58
July.....	1,380	40	348	1.19	1.37
August.....	524	39	251	.860	.99
September.....	346	29	197	.675	.75
The year.....	4,900	29	600	2.05	27.88

* Estimated.

PEE DEE RIVER BASIN

YADKIN RIVER AT WILKESBORO, N. C.

LOCATION.—Water-stage recorder installed Jan. 9, 1930, at highway bridge connecting North Wilkesboro and Wilkesboro, Wilkes County, just below mouth of Reddies River. Chain gage used prior to that date.

DRAINAGE AREA.—480 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930. April, 1903, to June, 1909; October, 1920, to September, 1928, at North Wilkesboro, 1 mile downstream.

EXTREMES.—Maximum discharge during year, about 33,200 second-feet Oct. 2 (gage height, about 24.0 feet); minimum, 183 second-feet July 26, 27 (gage height, 1.48 feet).

1903-1909, 1920-1930: Maximum discharge, that of Oct. 2, 1929; minimum, 161 second-feet July 25, 1926.

Maximum stage recorded, 34.5 feet July, 1916.

REMARKS.—Records good below and poor above 8,000 second-feet. Flow regulated during low water by operation of power plant on Reddies River 1 mile upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,380	985	895	1,020	709	655	667	564	445	319	241	254
2	20,700	1,080	1,180	955	757	655	667	547	438	315	259	264
3	3,060	1,280	1,110	1,280	925	638	685	601	417	310	232	259
4	1,570	1,310	1,020	1,020	1,210	655	691	535	412	300	232	259
5	1,340	835	955	955	1,440	661	655	535	406	300	224	291
6	1,340	985	985	925	1,080	661	933	570	436	296	268	296
7	1,050	925	925	895	955	2,360	901	570	547	291	250	277
8	955	895	955	895	865	2,710	751	524	462	282	385	417
9	895	835	895	865	805	1,390	703	570	495	272	424	315
10	865	835	895	835	775	1,080	679	535	450	268	282	305
11	835	865	865	805	751	985	673	512	445	268	272	349
12	835	1,050	835	775	733	925	661	570	428	264	232	374
13	805	985	769	805	733	835	655	581	417	254	228	324
14	805	1,080	805	835	775	805	667	661	501	264	250	334
15	805	1,140	805	985	727	805	655	558	428	291	530	291
16	769	1,050	805	925	709	763	649	524	401	364	385	300
17	709	1,170	835	835	697	775	638	524	471	349	385	385
18	739	4,120	1,050	835	697	805	655	512	604	344	354	286
19	757	2,010	2,010	757	691	865	703	906	445	305	445	505
20	709	1,500	1,310	751	685	775	621	638	396	282	359	603
21	1,140	1,280	1,080	769	661	739	626	535	417	268	319	439
22	3,710	1,110	985	805	661	757	632	507	354	246	1,280	374
23	1,940	1,080	1,080	805	673	739	615	490	344	241	666	344
24	1,210	1,180	865	763	697	709	609	484	344	232	403	319
25	1,140	1,140	805	775	685	715	598	484	364	236	339	324
26	1,020	1,110	835	697	679	733	592	467	364	215	369	621
27	955	1,110	805	721	661	697	592	467	401	236	379	417
28	925	1,020	1,020	751	644	679	587	456	354	334	329	334
29	985	1,020	1,280	751	-----	691	592	473	344	406	291	305
30	1,050	865	1,110	805	-----	679	592	655	324	296	300	310
31	985	-----	1,110	703	-----	673	-----	484	-----	277	268	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	20,700	709	1,840	3.83	4.42
November	4,120	835	1,200	2.50	2.79
December	2,010	769	996	2.08	2.40
January	1,280	703	848	1.77	2.04
February	1,440	644	789	1.64	1.71
March	2,710	638	891	1.86	2.14
April	933	587	665	1.39	1.55
May	906	456	550	1.15	1.33
June	604	324	422	.879	.98
July	406	215	288	.600	.69
August	1,280	224	361	.752	.87
September	621	254	349	.727	.81
The year	20,700	215	767	1.60	21.73

YADKIN RIVER AT YADKIN COLLEGE, N. C.

LOCATION.—Water-stage recorder at State highway bridge 1 mile south-west of Yadkin College, Davidson County.

DRAINAGE AREA.—2,250 square miles.

RECORDS AVAILABLE.—July, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 67,800 second-feet Oct. 3 (gage height, 29.8 feet); minimum, 521 second-feet Aug. 5 (gage height, 0.19 foot).

1928-1930: Maximum discharge, that of Oct. 3, 1929; minimum, that of Aug. 5, 1930.

REMARKS.—Records good except those for estimated periods, Nov. 3, June 29 to July 5, which are fair. Slight regulation caused by operation of small power plant about 10 miles upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7,960	3,230	2,930	3,630	2,730	2,380	2,430	2,030	1,880	953	800	818
2	34,200	3,230	3,290	3,430	2,830	2,430	2,380	2,030	1,580	926	899	782
3	64,100	3,230	6,060	3,630	3,430	2,330	2,430	1,930	1,630	899	980	746
4	39,500	4,380	4,980	4,050	4,780	2,330	2,630	1,980	1,480	899	800	710
5	6,600	4,270	3,830	3,530	8,380	2,330	2,530	1,930	1,430	782	656	719
6	4,710	3,630	3,630	3,230	5,980	2,330	2,630	1,880	1,530	719	788	737
7	4,050	3,230	3,430	3,130	4,380	2,620	3,900	1,980	2,190	728	1,000	863
8	3,730	3,130	3,230	3,030	3,730	9,820	3,580	1,930	2,830	737	1,300	1,070
9	3,430	3,030	3,230	3,030	3,430	7,690	2,830	1,830	2,310	827	1,160	998
10	3,130	2,930	3,130	2,930	3,130	4,570	2,630	1,830	2,280	800	1,560	1,040
11	3,030	2,830	3,030	2,930	2,930	3,730	2,530	2,180	1,900	764	2,030	899
12	2,930	3,230	2,930	2,730	2,930	3,430	2,430	2,180	1,630	764	1,030	899
13	2,830	4,710	2,830	2,730	2,930	3,230	2,430	2,030	1,580	827	839	944
14	2,730	4,380	2,830	3,130	3,330	3,030	2,380	2,130	1,630	827	744	1,190
15	2,630	4,490	2,730	3,230	3,230	2,420	2,380	2,330	1,580	854	784	1,020
16	2,630	4,600	2,730	5,540	2,830	2,830	2,330	2,080	1,580	980	863	935
17	2,630	4,160	2,730	4,220	2,630	2,730	2,280	1,830	1,530	1,160	1,520	836
18	2,530	10,300	2,930	3,630	2,630	2,830	2,280	1,830	2,560	1,340	1,380	1,070
19	2,430	11,200	3,720	3,330	2,630	3,030	2,330	2,240	2,600	1,160	1,430	1,130
20	2,430	6,180	4,820	3,030	2,630	3,130	2,380	3,130	1,880	1,120	1,340	1,680
21	2,620	4,930	4,050	2,930	2,530	2,830	2,280	2,580	1,530	908	1,200	1,630
22	8,890	4,270	3,430	3,130	2,630	2,730	2,280	1,930	1,380	854	1,020	1,380
23	11,800	4,050	3,330	3,330	2,530	2,630	2,230	1,780	1,340	836	1,370	1,160
24	5,980	3,940	3,430	3,130	2,530	2,630	2,180	1,680	1,300	809	2,260	1,040
25	4,380	3,830	3,030	2,930	2,630	2,730	2,130	1,630	1,200	827	1,340	998
26	3,730	3,730	2,830	2,830	2,530	2,730	2,080	1,580	1,200	710	1,200	980
27	3,430	3,830	3,030	2,730	2,430	2,630	2,080	1,580	1,300	647	1,120	998
28	3,130	3,730	3,130	2,730	2,430	2,530	2,030	1,530	1,630	638	1,050	1,200
29	3,030	3,430	3,830	2,730	-----	2,430	2,080	1,480	1,250	827	1,040	944
30	3,230	3,230	4,270	2,730	-----	2,430	2,030	2,380	1,070	1,250	962	890
31	3,430	-----	3,830	2,830	-----	2,380	-----	2,400	-----	1,020	872	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	64,100	2,430	8,120	3.61	4.16
November	11,200	2,830	4,810	1.92	2.14
December	6,060	2,730	3,460	1.54	1.78
January	5,540	2,730	3,260	1.45	1.67
February	8,380	2,430	3,280	1.46	1.52
March	9,820	2,830	3,160	1.40	1.61
April	3,900	2,030	2,440	1.08	1.20
May	3,130	1,480	2,000	.889	1.02
June	2,830	1,070	1,690	.751	.84
July	1,340	638	884	.393	.45
August	2,260	656	1,140	.507	.58
September	1,680	710	1,010	.449	.50
The year	64,100	638	2,900	1.29	17.47

PEE DEE RIVER NEAR ROCKINGHAM, N. C.

LOCATION.—Water-stage recorder at State highway crossing 1 mile upstream from Falling Creek, 4 miles downstream from Blewett Falls hydroelectric plant, and 6 miles west of Rockingham, Richmond County. Zero of gage, 82.81 feet above mean sea level.

DRAINAGE AREA.—6,910 square miles.

RECORDS AVAILABLE.—September, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 165,000 second-feet Oct. 3 (gage height, 20.53 feet); minimum, about 100 second-feet several times during September (gage height, 0.20 foot).

1927-1930: Maximum discharge, 212,000 second-feet Sept. 19, 1928 (gage height, 24.38 feet); minimum, that of September, 1930.

REMARKS.—Records excellent except those for minimum discharge, which are fair. Flow regulated by series of storage basins extending from near station to above forks of Yadkin River.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	34,300	10,300	5,060	10,700	8,520	5,380	6,720	6,710	1,217	1,460	3,950	495
2.....	102,000	8,160	9,040	9,980	5,510	1,270	7,670	6,260	3,720	6,660	4,840	2,780
3.....	159,000	1,940	37,100	9,810	18,200	5,990	7,670	5,350	4,100	6,900	1,380	4,310
4.....	146,000	15,600	30,400	8,260	21,700	8,120	5,820	3,980	3,647	5,280	3,440	3,670
5.....	79,900	37,800	16,700	4,280	36,400	7,670	4,640	2,970	3,739	1,920	4,780	4,360
6.....	14,600	19,000	11,400	9,300	23,400	9,200	1,540	4,790	2,501	5,020	5,720	2,250
7.....	9,680	13,300	8,540	10,300	17,000	8,730	4,720	4,990	3,547	3,080	6,040	1,300
8.....	9,730	11,700	6,040	9,730	12,800	9,200	6,710	6,260	1,757	5,690	6,740	4,220
9.....	9,200	10,100	9,360	9,730	8,930	4,440	8,170	4,590	1,990	5,880	9,560	6,920
10.....	5,740	5,120	10,000	9,730	10,400	13,000	7,180	4,990	2,327	4,920	5,680	4,230
11.....	5,950	4,030	9,510	6,270	9,620	10,800	6,860	3,390	2,827	4,480	4,020	4,100
12.....	4,200	9,550	8,960	2,420	10,500	10,300	4,830	5,220	2,827	4,340	5,000	3,950
13.....	1,180	10,900	8,700	6,780	10,600	9,730	1,080	9,200	1,647	2,900	4,020	4,150
14.....	3,420	11,900	7,340	7,340	10,300	9,200	5,220	10,800	2,157	2,700	4,960	1,640
15.....	4,770	10,600	4,320	14,700	8,670	6,060	6,710	23,500	1,837	5,980	1,840	2,200
16.....	5,220	9,260	7,280	34,700	5,520	1,570	6,260	11,500	4,337	6,680	1,700	2,540
17.....	5,840	8,140	8,680	23,100	7,160	6,510	7,180	7,200	7,419	6,660	1,610	3,640
18.....	6,960	11,500	9,360	14,800	8,860	9,730	6,260	2,600	9,227	8,000	3,260	3,860
19.....	5,990	25,300	12,800	16,000	9,200	9,730	5,400	4,450	8,667	8,060	4,120	3,970
20.....	3,180	22,000	16,500	13,600	8,680	9,730	1,040	4,840	8,427	5,920	4,660	3,520
21.....	5,590	13,100	11,700	11,100	7,670	9,200	4,580	6,320	4,600	3,670	4,650	3,140
22.....	9,400	9,680	5,440	10,400	5,940	7,920	6,260	7,220	2,657	5,230	7,320	1,640
23.....	21,300	8,390	7,920	11,700	2,310	1,120	6,710	4,860	2,647	5,000	2,680	2,820
24.....	15,800	7,000	10,700	10,500	4,770	7,010	6,710	5,420	3,247	5,480	758	3,870
25.....	12,400	12,300	9,540	8,680	8,730	9,730	7,180	1,640	5,600	6,510	2,360	3,780
26.....	9,600	13,600	11,000	6,280	8,080	10,800	5,740	4,120	3,147	4,900	3,840	3,690
27.....	4,180	23,800	11,500	8,240	8,660	10,300	943	6,710	2,627	4,460	4,960	1,690
28.....	5,860	16,100	9,320	9,570	8,320	9,730	5,930	6,500	2,217	4,100	4,990	1,140
29.....	9,220	13,400	10,200	10,200	-----	7,120	6,710	6,680	3,600	4,920	3,120	3,180
30.....	9,600	9,340	13,200	11,000	-----	1,790	6,710	5,920	3,770	4,760	2,260	1,790
31.....	8,170	-----	11,500	9,820	-----	5,780	-----	3,150	-----	4,950	990	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	159,000	1,180	23,500	3.40	3.92
November.....	37,800	1,940	12,800	1.85	2.06
December.....	37,100	4,320	11,800	1.64	1.89
January.....	34,700	2,420	10,900	1.58	1.82
February.....	36,400	2,310	11,100	1.61	1.68
March.....	13,000	1,120	7,640	1.11	1.28
April.....	8,170	943	5,640	.816	.91
May.....	23,500	1,640	6,200	.897	1.03
June.....	9,220	1,210	3,730	.540	.60
July.....	8,060	1,460	5,050	.731	.84
August.....	9,560	758	4,040	.585	.67
September.....	4,360	495	3,160	.457	.51
The year.....	159,000	495	8,760	1.27	17.21

FISHER RIVER NEAR DOBSON, N. C.

LOCATION.—Chain gage at Turkey Ford bridge on Dobson-Ararat highway 2 miles east of Dobson, Surrey County.

DRAINAGE AREA.—109 square miles.

RECORDS AVAILABLE.—September, 1920, to September, 1930.

EXTREMES.—Maximum discharge during year (estimated), 8,300 second-feet Oct. 2 (gage height, estimated, 12.1 feet); minimum, 20 second-feet July 26.

1920-1930: Maximum discharge, that of Oct. 2, 1929; minimum, 16 second-feet Aug. 30, 1925 (gage height, 0.03 foot).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	850	203	174	195	235	124	129	124	71	50	223	30
2	5,060	199	275	188	223	126	138	126	63	48	39	29
3	635	199	231	255	203	121	138	113	58	43	30	31
4	342	219	199	195	388	126	141	118	58	46	31	26
5	275	184	181	170	298	126	126	129	60	34	24	41
6	235	174	181	170	223	124	365	126	74	36	26	31
7	211	181	174	174	195	1,100	219	138	74	39	54	31
8	192	174	174	174	178	650	164	102	97	39	45	43
9	170	167	167	164	170	298	154	118	116	30	88	31
10	174	160	167	160	167	235	148	126	92	30	45	41
11	164	164	164	154	157	227	138	203	76	29	36	41
12	157	219	157	154	157	207	132	151	71	26	31	43
13	157	219	157	154	154	181	116	113	65	27	29	41
14	157	199	160	178	160	174	132	135	76	31	31	50
15	144	275	157	211	148	167	132	100	65	36	54	36
16	135	227	154	184	151	167	129	95	69	50	46	67
17	151	195	154	164	144	167	126	100	71	50	71	78
18	132	807	174	170	148	157	132	100	164	45	100	46
19	129	320	255	157	144	184	132	255	97	48	74	52
20	126	255	184	148	141	164	126	113	78	45	54	58
21	144	215	167	157	135	164	141	90	60	34	50	52
22	1,090	203	174	170	135	157	144	88	58	27	78	46
23	365	211	188	160	138	154	135	85	58	24	69	39
24	255	203	181	151	141	148	126	83	58	26	52	37
25	223	203	188	148	144	157	135	80	56	23	46	37
26	203	211	157	144	129	157	132	80	63	23	39	43
27	188	195	164	144	121	135	129	78	71	22	54	39
28	184	184	235	151	124	135	132	76	63	30	48	31
29	184	178	231	148	-----	138	129	78	58	41	41	27
30	235	160	207	160	-----	135	126	129	54	34	31	27
31	211	-----	207	174	-----	132	-----	74	-----	31	34	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,060	126	415	3.81	4.39
November	807	160	223	2.05	2.29
December	275	154	185	1.70	1.96
January	255	144	169	1.55	1.79
February	388	121	173	1.59	1.66
March	1,100	121	208	1.91	2.20
April	365	116	145	1.33	1.43
May	255	74	114	1.05	1.21
June	164	54	73.1	.671	.75
July	50	22	35.4	.325	.37
August	223	24	54.0	.495	.57
September	78	26	40.8	.374	.42
The year	5,060	22	153	1.40	19.09

SOUTH YADKIN RIVER AT COOLEEMEE, N. C.

LOCATION.—Water-stage recorder below tailrace of Erwin Cotton Mills at Cooleemee, Davidson County.

DRAINAGE AREA.—560 square miles.

RECORDS AVAILABLE.—June, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year (estimated), 24,800 second-feet Oct. 3 (gage height, 32.25 feet); minimum, 12 second-feet several times in September (gage height, 0.55 foot).

1928-1930: Maximum discharge, that of Oct. 3, 1929; minimum, 11 second-feet July 26, 1928 (gage height, 0.52 foot).

REMARKS.—Records good to 300 second-feet, fair to 3,000 second-feet, and poor above. Discharge estimated Oct. 26 to Nov. 4, Aug. 6, 7, Sept. 22-25. Flow regulated by Erwin Cotton Mills.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		660	670	823	699	539	517	422	358	259	121	86
2		660	1,260	787	802	550	516	389	412	213	368	203
3		660	1,940	992	1,160	559	509	402	295	213	170	172
4		950	1,220	918	1,720	537	578	414	284	136	284	176
5		896	948	790	2,410	532	712	448	307	226	211	104
6		741	868	746	1,600	528	448	377	222	230	210	101
7		683	823	716	1,130	896	965	380	924	294	205	175
8		654	790	701	955	1,840	754	377	663	206	204	327
9		618	764	682	880	1,520	622	353	486	208	334	236
10		590	726	666	779	971	576	371	579	207	488	282
11		582	704	638	728	819	524	386	573	118	552	190
12		835	686	610	707	759	550	448	327	115	334	195
13		1,320	666	621	711	685	530	407	390	168	200	96
14		951	628	807	933	648	555	508	272	306	98	117
15		1,480	650	1,630	773	622	502	506	338	200	147	252
16		1,390	636	1,540	690	610	522	436	374	199	254	165
17		1,090	626	1,010	664	614	470	358	277	210	286	154
18		4,100	712	888	638	640	660	386	470	268	336	156
19	415	3,450	1,120	830	623	798	518	744	575	270	234	167
20	434	1,670	961	730	612	759	433	540	373	246	220	185
21	484	1,130	728	710	598	638	474	447	378	252	226	318
22	1,840	980	690	814	596	588	386	372	372	212	205	320
23	1,990	932	750	883	610	610	446	270	374	268	489	250
24	969	810	790	800	656	608	465	333	272	292	365	200
25	786	842	690	721	618	607	610	338	278	220	330	150
26	720	1,030	650	690	586	604	430	426	476	231	206	188
27	670	1,020	670	673	577	558	286	300	377	209	184	117
28	620	890	890	670	557	540	448	294	278	228	217	175
29	610	790	1,170	662	-----	518	414	287	278	213	268	260
30	660	723	1,020	672	-----	530	427	298	378	292	109	156
31	710	-----	890	695	-----	551	-----	462	-----	175	54	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October 19-31	1,990	415	839	1.50	.73
November	4,100	582	1,110	1.98	2.21
December	1,940	626	850	1.52	1.75
January	1,630	610	810	1.45	1.67
February	2,410	557	856	1.53	1.59
March	1,840	518	702	1.25	1.44
April	965	286	528	.943	1.05
May	744	270	403	.720	.83
June	924	232	382	.682	.76
July	306	115	222	.396	.46
August	552	54	255	.455	.52
September	327	86	189	.338	.38

ROCKY RIVER NEAR NORWOOD, N. C.

LOCATION.—Water-stage recorder installed Dec. 14, 1929, at Hyatts Ford, 1,000 feet downstream from Lanes Creek and 6 miles southwest of Norwood, Stanley County. Staff gage at same site used prior to Dec. 14, 1929.

DRAINAGE AREA.—1,380 square miles.

RECORDS AVAILABLE.—October, 1929, to September, 1930;

EXTREMES.—Maximum discharge during year (estimated), 52,500 second-feet Oct. 2 (gage height, 31.4 feet); minimum, 44 second-feet Sept. 27 (gage height, 0.24 foot).

Maximum known stage, about 35 feet in August, 1908 (estimated discharge, 60,000 second-feet).

REMARKS.—Records good below 10,000 second-feet, fair 10,000 to 20,000 second-feet and for estimated periods, and poor above 20,000 second-feet. Discharge estimated Oct. 1–6, Apr. 28 to May 2, Aug. 31 to Sept. 5.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	30,700	388	864	981	2,750	440	428	223	141	162	483	65
2.....	51,600	352	4,270	855	4,760	452	399	220	138	144	677	65
3.....	36,500	352	13,400	821	6,430	446	398	217	141	378	694	65
4.....	6,660	11,300	4,580	821	6,520	399	446	210	124	190	223	60
5.....	2,500	5,900	2,120	702	8,530	383	496	203	115	132	171	762
6.....	1,130	1,950	1,580	616	3,750	378	694	197	126	126	135	2,360
7.....	855	1,220	1,330	594	2,220	1,460	1,370	177	144	90	518	449
8.....	670	927	1,480	579	1,680	4,670	963	213	206	98	6,490	2,070
9.....	503	812	1,380	572	1,330	2,280	579	1,020	298	84	1,400	1,330
10.....	422	654	1,050	558	1,130	1,110	452	812	206	74	428	523
11.....	352	558	891	529	1,010	838	399	486	156	71	361	300
12.....	324	1,630	804	470	882	744	367	1,310	126	63	352	237
13.....	316	2,610	702	446	838	639	347	516	124	66	210	193
14.....	303	1,580	677	1,450	1,230	536	334	6,800	121	101	153	171
15.....	296	1,150	631	8,020	1,200	490	316	5,390	121	976	126	156
16.....	284	981	631	10,900	891	452	300	1,340	2,650	440	106	153
17.....	259	846	586	3,590	778	434	284	631	2,990	3,560	101	141
18.....	217	1,900	1,470	3,450	694	464	273	464	2,610	4,920	2,010	244
19.....	248	2,220	7,150	4,100	662	601	288	394	990	2,210	878	177
20.....	213	1,210	3,620	2,020	639	878	334	342	416	639	311	126
21.....	223	846	1,600	1,530	601	702	338	303	273	342	197	106
22.....	14,300	685	1,190	1,900	558	516	288	244	728	237	220	81
23.....	4,110	1,310	3,770	3,020	536	483	273	217	422	213	266	96
24.....	1,020	2,500	6,110	2,120	550	1,500	262	203	241	2,990	162	95
25.....	623	1,480	2,950	1,530	594	1,630	244	227	227	1,170	162	90
26.....	543	4,450	2,120	1,220	529	1,130	237	206	190	367	132	74
27.....	405	7,180	1,840	1,060	550	830	230	187	719	234	115	66
28.....	383	3,090	1,900	1,220	490	631	230	168	918	181	90	48
29.....	338	1,580	1,840	1,980	-----	558	227	150	347	156	87	48
30.....	316	1,170	1,430	1,630	-----	536	223	153	217	141	76	51
31.....	388	-----	1,150	1,630	-----	470	-----	144	-----	126	70	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	51,600	213	5,060	3.67	4.23
November.....	11,300	352	2,090	1.51	1.68
December.....	13,400	586	2,420	1.75	2.02
January.....	10,900	446	1,960	1.42	1.64
February.....	9,530	490	1,900	1.38	1.44
March.....	4,670	378	874	.637	.73
April.....	1,370	223	401	.291	.32
May.....	6,800	144	754	.546	.63
June.....	2,990	115	541	.392	.44
July.....	4,920	63	667	.483	.56
August.....	6,430	70	561	.407	.47
September.....	2,360	48	347	.251	.28
The year.....	51,600	48	1,470	1.07	14.44

LUMBER RIVER AT BOARDMAN, N. C.

LOCATION.—Staff gage at State highway crossing $1\frac{1}{2}$ miles downstream from Big Swamp and 1 mile downstream from Atlantic Coast Line Railroad crossing at Boardman, Columbus County.

DRAINAGE AREA.—1,240 square miles.

RECORDS AVAILABLE.—September, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period, 7,430 second-feet Oct. 9 (gage height, 9.20 feet); minimum, 168 second-feet Sept. 6, 1930 (gage height estimated, 0.92 foot).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		1,360	1,660	2,510	1,950	3,620	1,750	1,190	810	462	560	444	208
2		2,260	1,660	2,800	2,050	3,620	1,660	1,140	756	444	500	462	194
3		3,810	1,660	2,950	2,050	3,620	1,660	1,140	710	408	481	391	194
4		4,400	1,660	3,110	2,150	3,440	1,660	1,140	644	391	462	357	180
5		4,400	1,750	3,440	2,150	3,270	1,570	1,140	560	374	462	325	180
6		4,810	1,850	3,810	2,150	3,270	1,570	1,140	580	374	444	295	168
7		5,440	1,950	4,200	2,150	3,110	1,570	1,140	540	374	426	280	180
8		6,850	1,950	4,200	2,050	3,110	1,660	1,140	520	391	408	280	180
9		7,430	2,050	4,200	2,050	2,950	1,660	1,140	500	426	391	280	194
10		7,130	2,150	4,200	2,050	2,950	1,750	1,140	481	462	374	265	208
11		6,340	2,260	4,200	1,950	2,800	1,850	1,140	462	500	357	265	236
12		5,440	2,380	4,200	1,850	2,800	1,850	1,140	462	540	325	265	250
13		4,600	2,510	4,000	1,850	2,650	1,850	1,140	481	580	310	250	250
14		3,810	2,510	3,810	1,750	2,510	1,850	1,080	500	666	310	265	270
15		3,270	2,510	3,620	1,850	2,380	1,850	1,030	540	756	325	265	250
16		2,800	2,380	3,440	2,050	2,380	1,850	986	580	872	357	265	265
17		2,380	2,260	3,270	2,050	2,380	1,750	944	622	986	408	250	265
18		2,150	2,260	3,110	2,380	2,260	1,750	872	666	1,080	481	250	250
19		1,950	2,150	2,950	2,650	2,260	1,750	840	688	1,080	500	265	236
20		1,750	2,150	2,800	2,950	2,260	1,660	872	710	1,080	520	265	236
21		1,660	2,150	2,650	3,270	2,260	1,570	906	756	1,030	540	280	250
22		1,750	2,150	2,380	3,620	2,150	1,490	944	810	1,030	540	295	245
23		1,660	2,150	2,650	3,810	2,150	1,420	1,030	872	986	520	295	325
24		1,660	2,150	2,650	4,200	2,050	1,420	1,080	906	944	540	310	310
25		1,660	2,150	2,650	4,600	2,050	1,360	1,080	1,030	906	580	310	310
26		1,660	2,150	2,800	4,600	1,850	1,300	1,030	944	872	622	310	310
27		1,660	2,260	2,800	4,400	1,850	1,300	1,030	872	840	622	310	295
28	986	1,660	2,260	2,650	4,200	1,750	1,240	986	756	810	560	295	260
29	1,030	1,660	2,380	2,650	4,000	-----	1,240	944	622	732	462	265	265
30	1,080	1,660	2,380	2,650	4,000	-----	1,240	872	540	666	391	236	236
31		1,660	-----	2,380	3,810	-----	1,190	-----	500	-----	374	208	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,430	1,360	3,250	2.62	3.02
November	2,510	1,660	2,130	1.72	1.92
December	4,200	2,380	3,220	2.60	3.00
January	4,600	1,750	2,790	2.25	2.59
February	3,620	1,750	2,640	2.13	2.22
March	1,850	1,190	1,590	1.28	1.48
April	1,190	840	1,050	.847	.94
May	1,030	462	659	.681	.61
June	1,080	374	702	.566	.63
July	622	310	457	.369	.43
August	462	208	293	.236	.27
September	325	168	242	.195	.22
The year	7,430	168	1,580	1.27	17.33

LYNCHES RIVER AT EFFINGHAM, S. C.

LOCATION.—Staff gage 100 feet upstream from highway bridge, 150 feet upstream from Atlantic Coast Line Railroad bridge, and 1 mile south of Effingham, Florence County.

DRAINAGE AREA.—1,070 square miles.

RECORDS AVAILABLE.—August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 15,200 second-feet Oct. 7 (gage height, 19.25 feet); minimum (estimated), 237 second-feet Sept. 6–8 (gage height, 2.1 feet).

1929–30: Maximum discharge, that of Oct. 7, 1929; minimum, that of Sept. 6–8, 1930. Maximum stage known, 20.0 feet Aug. 30, 1908.

REMARKS.—Records good for discharges between 300 and 10,000 second-feet, fair beyond these limits.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	895	1,980	1,490	2,260	2,330	1,180	948	587	382	539	396	276
2.....	1,340	1,800	1,630	2,260	2,330	1,280	1,000	555	382	555	382	276
3.....	1,340	1,460	2,120	2,120	2,260	1,300	921	539	368	571	396	263
4.....	1,630	1,360	2,300	2,050	2,330	1,180	868	539	368	524	410	250
5.....	2,050	1,360	2,410	1,940	2,330	1,060	894	494	354	509	382	250
6.....	10,800	1,300	2,460	1,840	2,330	1,060	976	480	354	494	354	237
7.....	14,600	1,420	2,410	1,770	2,330	1,180	976	466	354	466	341	237
8.....	12,200	1,420	2,330	1,700	2,300	1,360	1,000	452	354	410	354	250
9.....	8,300	1,490	2,300	1,660	2,370	1,560	948	438	354	354	328	354
10.....	5,960	1,600	2,840	1,560	2,330	1,400	948	424	368	341	341	438
11.....	4,100	1,770	3,120	1,490	2,190	1,360	1,000	424	410	315	341	509
12.....	2,910	2,260	2,780	1,420	2,220	1,360	976	424	452	302	410	587
13.....	2,260	2,610	2,460	1,420	2,220	1,360	1,000	438	452	289	466	658
14.....	2,120	2,300	2,220	1,420	2,050	1,460	1,060	509	410	302	494	621
15.....	1,910	2,120	2,120	1,360	1,910	1,630	1,040	571	396	315	494	509
16.....	1,700	1,800	2,020	2,020	1,880	1,940	868	571	382	328	539	410
17.....	1,600	1,600	1,940	1,980	1,770	1,840	744	587	452	382	604	368
18.....	1,420	1,460	1,980	1,980	1,600	1,630	678	639	480	396	524	354
19.....	1,300	1,340	2,050	2,120	1,520	1,420	721	658	524	424	410	328
20.....	1,220	1,300	2,020	2,260	1,600	1,240	894	792	587	466	382	341
21.....	1,180	1,300	1,980	2,160	1,600	1,120	921	842	678	494	368	424
22.....	1,180	1,300	2,020	2,370	1,560	1,060	842	1,000	568	555	466	494
23.....	1,160	1,420	2,330	2,980	1,420	1,060	868	1,100	948	621	368	539
24.....	1,100	1,340	2,500	3,340	1,420	1,160	921	1,000	948	658	341	604
25.....	1,160	1,340	2,610	3,260	1,490	1,300	921	678	744	744	315	721
26.....	1,040	1,300	2,980	2,980	1,460	1,420	921	539	494	678	302	868
27.....	1,060	1,360	3,120	2,660	1,360	1,280	868	466	452	509	289	1,000
28.....	1,160	1,400	2,840	2,410	1,220	1,180	744	452	424	410	276	1,040
29.....	1,280	1,360	2,500	2,300	-----	1,120	621	438	438	382	276	921
30.....	1,800	1,360	2,330	2,260	-----	1,000	604	424	452	396	276	639
31.....	2,050	-----	2,330	2,330	-----	976	-----	410	-----	396	276	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	14,600	895	3,030	2.83	3.26
November.....	2,610	1,300	1,570	1.47	1.64
December.....	3,120	1,490	2,340	2.19	2.52
January.....	3,340	1,360	2,120	1.98	2.28
February.....	2,370	1,220	1,920	1.79	1.86
March.....	1,940	976	1,310	1.22	1.41
April.....	1,060	604	890	.832	.93
May.....	1,100	410	579	.541	.62
June.....	948	354	488	.456	.51
July.....	744	289	456	.426	.49
August.....	604	276	384	.359	.41
September.....	1,040	237	492	.460	.51
The year.....	14,600	237	1,300	1.21	16.44

BLACK RIVER AT KINGSTREE, S. C.

LOCATION.—Tape gage at highway bridge at Kingstree, Williamsburg County.

DRAINAGE AREA.—1,240 square miles.

RECORDS AVAILABLE.—August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 6,400 second-feet Jan. 25 (gage height, 12.2 feet); minimum (estimated), 15 second-feet Sept. 9, 10 (gage height, 0.70 foot).

1929-30: Maximum discharge, that of Jan. 25, 1930; minimum, that of Sept. 9, 10, 1930.

REMARKS.—Record good for discharge between 400 and 7,000 second-feet, fair beyond these limits.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	574	285	656	2,800	3,620	1,460	2,240	635	91	461	194	30
2.....	656	285	677	2,700	3,490	1,740	1,900	614	82	443	171	28
3.....	677	360	765	2,600	3,490	1,980	1,740	574	82	409	160	28
4.....	699	409	859	2,700	3,360	2,070	1,670	497	74	376	149	28
5.....	699	443	883	2,600	3,360	2,160	1,600	443	62	344	139	28
6.....	594	554	908	2,600	3,240	2,070	1,620	426	52	376	124	28
7.....	554	594	958	2,510	3,120	2,160	1,460	392	45	426	109	22
8.....	497	594	1,140	2,420	3,010	2,420	1,460	344	45	461	100	18
9.....	535	554	1,330	2,330	2,900	2,510	1,330	299	45	443	91	15
10.....	743	516	1,600	2,240	2,800	2,510	1,280	244	45	409	104	16
11.....	1,180	516	1,820	2,070	2,600	2,420	1,220	194	45	376	119	19
12.....	1,900	516	2,070	1,900	2,420	2,510	1,180	171	52	329	160	20
13.....	2,070	516	2,160	1,740	2,330	2,510	1,140	160	52	285	171	26
14.....	1,900	516	2,070	1,600	2,240	2,420	1,100	160	52	257	160	36
15.....	1,600	554	1,900	1,670	2,070	2,240	1,070	171	45	218	149	45
16.....	1,220	614	1,820	1,980	2,070	2,070	1,010	171	45	182	139	52
17.....	1,040	677	1,740	2,330	2,070	1,980	958	182	82	206	160	52
18.....	859	699	1,670	3,010	2,070	1,900	908	171	218	257	194	52
19.....	743	721	1,740	3,760	2,070	1,820	883	160	285	344	271	56
20.....	614	721	1,740	4,510	1,980	1,820	908	149	329	360	271	82
21.....	554	721	1,740	4,990	1,900	1,740	958	149	360	360	257	104
22.....	554	677	1,820	4,990	1,900	1,670	908	149	360	360	257	124
23.....	516	677	1,900	5,670	1,820	1,670	859	149	360	409	231	149
24.....	479	656	2,160	6,210	1,740	1,740	811	149	344	426	206	171
25.....	443	635	2,330	6,400	1,670	1,980	765	149	299	443	194	182
26.....	409	614	2,600	5,850	1,600	2,160	743	149	285	461	160	194
27.....	376	614	3,010	5,330	1,520	2,330	721	139	344	443	114	194
28.....	360	656	3,120	4,830	1,460	2,420	699	124	479	426	100	206
29.....	344	677	3,120	4,350	-----	2,700	677	109	479	409	82	218
30.....	314	656	3,120	4,200	-----	2,600	656	109	479	344	56	206
31.....	299	-----	3,010	3,760	-----	2,420	-----	109	-----	257	42	-----
Month	Maximum		Minimum		Mean		P - square mile		Run-off in inches			
October.....	2,070		299		774		0.624		0.72			
November.....	721		285		574		.463		.52			
December.....	3,120		656		1,820		1.47		1.70			
January.....	6,400		1,600		3,440		2.77		3.19			
February.....	3,620		1,460		2,430		1.96		2.04			
March.....	2,700		1,460		2,140		1.73		1.99			
April.....	2,240		656		1,150		.923		1.04			
May.....	635		109		246		.198		.23			
June.....	479		45		187		.151		.17			
July.....	461		182		365		.294		.34			
August.....	271		42		156		.126		.15			
September.....	218		15		81		.065		.07			
The year.....	6,400		15		1,110		.895		12.16			

SANTEE RIVER BASIN

CATAWBA RIVER NEAR OLD FORT, N. C.

LOCATION.—Staff gage at county highway bridge one-fourth mile upstream from Brevard Creek, 1 mile downstream from Curtis Creek, and 2 miles east of Old Fort, McDowell County.

DRAINAGE AREA.—57.1 square miles.

RECORDS AVAILABLE.—August to September, 1930.

EXTREMES.—Maximum discharge during period, 173 second-feet Sept. 11 (gage height, 1.80 feet); minimum, 16 second-feet Sept. 3 (gage height, 0.64 foot).

REMARKS.—Records fair. Flow may be slightly regulated by operation of mill upstream.

Daily and monthly discharge, in second-feet, 1930

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1.....		18	11.....		81	21.....	28	49
2.....		17	12.....		40	22.....	48	33
3.....		16	13.....	19	31	23.....	36	31
4.....		18	14.....	22	28	24.....	25	26
5.....		18	15.....	28	23	25.....	24	26
6.....		21	16.....	20	22	26.....	20	27
7.....		20	17.....	25	25	27.....	20	25
8.....		20	18.....	23	24	28.....	20	22
9.....		19	19.....	28	47	29.....	20	22
10.....		23	20.....	27	45	30.....	20	21
						31.....	18	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
August 13-31.....	48	18	24.8	0.434	0.30
September.....	81	16	27.9	.489	.55

SANTÉE RIVER AT FERGUSON, S. C.

LOCATION.—Water-stage recorder at Ferguson, Orangeburg County, 4 miles below Eutaw Creek. Zero of gage, 42.88 feet above mean sea level.

DRAINAGE AREA.—14,800 square miles.

RECORDS AVAILABLE.—December, 1907, to September, 1930.

EXTREMES.—Maximum discharge during year, 263,000 second-feet Oct. 7 (gage height, 21.04 feet); minimum, 3,060 second-feet Sept. 4 (gage height, 0.36 foot).

1907-1930: Maximum discharge (estimated), 368,000 second-feet July 22, 1916 (gage height, 24.5 feet); minimum, 2,570 second-feet Sept. 2, 1925 (gage height, -0.75 foot).

REMARKS.—Records good. Discharge estimated Apr. 15, July 15, Aug. 2-8, Sept. 25. Very distinct weekly fluctuations in stage during average and low-water periods, owing to operation of power plants at Parr Shoals Reservoir on Broad River and Camden Reservoir on Wateree River.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	20,900	24,100	26,000	22,800	27,200	21,300	18,900	12,700	12,700	8,750	11,600	4,140
2.....	24,100	22,800	26,000	22,200	28,800	22,200	19,200	14,000	11,300	9,040	12,000	3,630
3.....	38,000	22,200	26,000	22,200	30,500	21,700	19,500	14,800	7,140	11,300	10,600	3,160
4.....	44,000	22,200	25,000	21,700	32,500	18,900	18,900	15,000	6,650	11,600	9,790	3,270
5.....	92,000	21,700	25,000	21,700	32,500	17,600	18,400	13,500	9,190	10,400	8,890	3,510
6.....	209,000	22,200	26,000	21,700	32,500	17,600	18,100	8,610	11,100	8,470	8,050	3,510
7.....	260,000	23,400	27,200	20,900	30,500	18,600	17,200	7,400	12,000	6,890	7,530	5,220
8.....	248,000	25,000	30,500	20,100	32,500	19,800	15,300	9,640	12,200	5,730	7,400	7,920
9.....	209,000	27,200	30,500	20,100	32,500	20,500	15,700	11,100	10,900	7,140	7,660	6,530
10.....	164,000	32,500	32,500	20,100	35,000	21,700	16,700	11,600	9,640	9,950	7,400	4,830
11.....	122,000	32,500	32,500	19,800	35,000	22,800	17,000	11,300	10,100	10,800	6,290	5,020
12.....	92,000	32,500	32,500	19,800	32,500	23,400	16,700	10,300	11,100	10,900	5,320	5,420
13.....	68,000	30,500	32,500	18,900	30,500	25,000	16,500	8,610	10,800	10,400	5,320	6,410
14.....	50,000	27,200	32,500	17,200	27,200	25,000	14,600	9,790	11,400	9,950	6,530	5,840
15.....	41,000	25,000	32,500	17,200	27,200	26,000	11,800	12,000	11,800	7,270	6,890	5,020
16.....	38,000	24,100	30,500	19,800	25,000	25,000	12,500	13,800	10,900	6,410	7,530	4,140
17.....	32,500	23,400	28,800	21,700	24,100	22,800	14,200	15,500	7,660	9,640	7,140	3,630
18.....	30,500	23,400	27,200	23,400	21,700	19,200	15,000	15,700	8,050	12,300	6,410	4,740
19.....	28,800	22,200	25,000	25,000	20,100	18,100	15,700	14,200	11,300	14,400	5,520	7,140
20.....	26,000	22,200	24,100	28,800	19,800	18,100	16,100	11,100	12,700	15,300	5,120	7,270
21.....	25,000	22,800	24,100	30,500	20,900	19,200	14,800	10,800	13,800	14,200	7,530	7,010
22.....	20,900	24,100	25,000	32,500	21,700	20,100	12,500	12,300	13,600	11,600	7,660	8,050
23.....	19,800	26,000	26,000	32,500	22,200	20,900	14,200	13,100	11,800	10,800	7,530	8,750
24.....	20,900	27,200	27,200	32,500	23,400	21,700	15,300	13,300	7,790	10,600	6,650	8,750
25.....	21,700	28,800	26,000	32,500	22,800	21,700	15,300	13,500	7,530	10,600	5,950	8,190
26.....	22,200	27,200	26,000	32,500	22,200	21,300	15,300	11,800	10,400	10,300	4,380	7,270
27.....	24,100	27,200	26,000	30,500	22,200	20,900	15,000	7,920	12,000	9,490	3,980	6,770
28.....	27,200	26,000	26,000	30,500	22,200	20,100	12,000	7,530	13,500	9,190	4,560	7,010
29.....	30,500	25,000	26,000	28,800	-----	19,500	8,890	10,400	14,200	6,650	4,560	7,010
30.....	30,500	25,000	25,000	27,200	-----	19,500	10,300	12,500	12,500	5,840	4,740	5,420
31.....	27,200	-----	24,100	27,200	-----	19,500	-----	13,100	-----	8,750	4,470	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	260,000	19,800	68,000	4.59	5.29
November.....	32,500	21,700	25,500	1.72	1.92
December.....	32,500	24,100	27,600	1.86	2.14
January.....	32,500	17,200	24,600	1.86	2.14
February.....	35,000	19,800	27,000	1.82	1.90
March.....	26,000	17,600	21,000	1.42	1.64
April.....	19,500	8,890	15,400	1.04	1.16
May.....	15,700	7,400	11,800	.797	.92
June.....	14,200	6,650	10,900	.736	.82
July.....	15,300	5,730	9,830	.664	.77
August.....	-----	3,980	6,940	.469	.54
September.....	8,750	3,160	5,820	.393	.44
The year.....	260,000	3,160	21,200	1.43	19.68

MILL CREEK AT OLD FORT, N. C.

LOCATION.—Staff gage at county highway bridge half a mile upstream from confluence with Catawba River at Old Fort, McDowell County.

DRAINAGE AREA.—20.7 square miles.

RECORDS AVAILABLE.—May to December, 1907; August to September, 1930.

Extremes.—Maximum discharge during year, 51 second-feet Sept. 11 (gage height, 1.95 feet); minimum, 4.7 second-feet Sept. 3, 4 (gage height, 1.08 feet).

1907, 1930: Maximum stage, 2.6 feet May 31, June 1, and Oct. 28, 1907 (discharge not determined); minimum discharge, that of Sept. 3, 4, 1930.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1930

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1		5.4	11		40	21	9.5	15.5
2		5.0	12	5.0	12.5	22	17.0	10.2
3		4.8	13	5.4	9.8	23	10.5	8.5
4		4.7	14	7.2	7.9	24	7.2	7.9
5		5.2	15	9.2	7.0	25	6.8	7.2
6		6.1	16	6.8	7.0	26	6.8	9.2
7		7.0	17	6.5	8.5	27	6.5	7.2
8		5.9	18	11.5	6.5	28	6.3	6.8
9		5.7	19	8.8	16.5	29	6.3	7.0
10		7.9	20	6.8	15.0	30	6.3	6.8
						31	5.4	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
August 12-31	17.0	5.0	7.79	0.376	0.28
September	40	4.7	9.16	.443	.49

LINVILLE RIVER AT BRANCH, N. C.

LOCATION.—Staff gage at steel highway bridge 800 feet from Branch post office, Burke County, one-fourth mile above Lake James, and 2 miles downstream from mouth of Linville Gorge.

DRAINAGE AREA.—65 square miles.

RECORDS AVAILABLE.—June, 1922, to September, 1930.

EXTREMES.—Maximum discharge during year, 2,730 second-feet Oct. 22 (gage height, 5.20 feet); minimum, 13 second-feet several times in July and August (gage height, 1.50 feet).

1922-1930: Maximum discharge (estimated), 16,800 second-feet Aug. 15, 1928 (gage height, about 12.0 feet); minimum, 7 second-feet Sept. 8, 1925 (gage height, 1.28 feet).

REMARKS.—Records good below and fair above 1,300 second-feet.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	505	475	122	139	92	79	81	66	50	34	24	27
2.....	2,140	361	167	130	89	70	79	62	48	32	20	18
3.....	670	446	186	130	110	68	85	59	47	28	19	22
4.....	446	389	116	136	146	66	89	59	52	24	14	21
5.....	318	302	139	133	222	66	79	55	47	26	15	21
6.....	257	253	139	122	182	74	182	48	47	24	14	19
7.....	213	222	139	127	146	417	213	55	45	22	13	21
8.....	178	205	139	133	116	417	139	52	47	21	15	27
9.....	153	186	136	139	110	248	116	92	48	21	16	30
10.....	142	160	130	127	110	167	110	76	48	27	17	32
11.....	127	153	116	113	110	167	110	74	45	24	18	45
12.....	119	174	113	110	101	160	98	87	41	17	14	44
13.....	110	213	110	113	89	142	98	85	42	17	13	45
14.....	105	205	110	113	89	136	101	98	62	17	14	35
15.....	101	231	101	133	98	124	89	81	55	20	22	32
16.....	94	209	105	130	96	116	87	70	48	28	34	27
17.....	94	262	89	122	87	110	87	74	48	32	62	33
18.....	87	708	110	110	89	122	87	66	50	23	44	37
19.....	87	417	209	92	87	160	98	153	42	26	41	50
20.....	83	287	197	87	89	146	89	116	42	23	42	103
21.....	186	257	164	105	87	130	87	89	45	23	50	79
22.....	2,140	213	113	108	81	116	76	79	37	18	361	59
23.....	745	194	139	116	89	98	74	70	34	17	139	53
24.....	475	186	130	92	87	113	70	66	34	17	62	55
25.....	339	174	122	89	81	110	66	64	34	15	45	59
26.....	267	197	116	70	79	108	66	64	37	18	41	57
27.....	222	190	122	89	79	92	66	59	45	15	37	35
28.....	190	174	127	96	76	87	66	55	45	17	30	34
29.....	190	153	139	101	-----	87	66	55	37	28	28	27
30.....	190	127	139	98	-----	87	66	59	35	30	27	24
31.....	190	-----	139	96	-----	87	-----	53	-----	29	28	-----

Month	Maximum	Minimum	Mean	Pe ^o square mile	Run-off in inches
October.....	2,140	83	360	5.54	6.39
November.....	708	127	257	3.95	4.41
December.....	209	89	133	2.03	2.34
January.....	139	70	113	1.74	2.01
February.....	222	76	104	1.60	1.67
March.....	417	66	135	2.08	2.40
April.....	213	66	94.0	1.45	1.62
May.....	153	48	72.3	1.11	1.28
June.....	62	34	44.6	.686	.77
July.....	34	15	23.0	.354	.41
August.....	361	13	42.5	.654	.75
September.....	103	18	39.0	.600	.67
The year.....	2,140	13	118	1.82	24.72

HENRY FORK NEAR HENRY RIVER, N. C.

LOCATION.—Water-stage recorder at highway bridge at old Link Ford, Catawba County, 1½ miles downstream from county line and 2 miles downstream from Henry River, Burke County.

DRAINAGE AREA.—80 square miles.

RECORDS AVAILABLE.—July, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year (estimated), 20,300 second-feet Oct. 2 (gage height, 18.40 feet); minimum, 5.2 second-feet Sept. 13 (gage height, 0.62 foot).

1925-1930: Maximum discharge, that of Oct. 2, 1929; minimum, 4.1 second-feet July 19, 20, 1926 (gage height, 0.49 foot).

REMARKS.—Records good except those for estimated periods, which are poor. About 5 second-feet diverted upstream for water supply for Morganton and State Hospital for the Insane.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,140	108	120	*140	*150	*85	92	80	59	62	36	42
2.....	12,600	108	172	*130	*130	*85	92	77	61	45	42	30
3.....	1,060	176	160	*170	*130	*80	93	77	50	58	30	30
4.....	366	301	130	*150	*200	*80	95	72	52	11.0	47	30
5.....	255	198	140	*140	*300	*80	92	72	45	28	35	35
6.....	215	148	148	*140	*200	*80	167	92	123	37	33	11.0
7.....	190	130	137	*130	*150	*400	198	106	120	37	35	66
8.....	167	124	128	*130	*130	*450	146	75	83	56	36	83
9.....	155	110	128	*120	*200	*200	122	75	75	38	37	44
10.....	144	97	122	*120	*120	*160	104	78	68	11.0	65	33
11.....	137	106	118	*120	*120	144	102	71	55	26	56	43
12.....	120	130	116	*120	*110	137	99	88	52	30	45	32
13.....	114	177	112	122	*110	126	99	80	52	30	38	6.2
14.....	118	172	101	122	*120	122	99	99	54	30	34	32
15.....	108	301	101	148	*120	116	99	88	56	33	32	42
16.....	106	226	106	188	*110	*110	95	77	55	54	28	32
17.....	106	332	102	148	*110	*100	90	78	58	57	140	27
18.....	101	965	118	141	*110	106	92	*75	102	39	56	20
19.....	90	348	185	130	*100	120	106	*140	72	40	46	43
20.....	92	218	172	122	*100	106	93	*100	58	38	35	58
21.....	161	172	130	*120	*100	97	92	80	55	36	33	46
22.....	380	148	130	*95	99	92	65	52	46	59	39	30
23.....	177	146	146	*140	*100	102	92	65	51	31	55	35
24.....	144	137	133	*120	*110	101	90	59	48	30	41	44
25.....	124	130	122	*110	*100	99	88	59	57	30	37	35
26.....	106	148	116	*100	*95	97	88	65	51	19.5	36	33
27.....	106	150	118	*110	*90	*96	86	56	47	24	47	18.5
28.....	108	133	*144	*120	*85	*95	83	56	50	43	34	26
29.....	104	130	*140	*130	-----	*94	102	56	49	41	28	43
30.....	104	118	*140	*180	-----	*94	85	57	47	26	18	29
31.....	106	-----	*140	*170	-----	*93	-----	59	-----	32	20	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	12,600	90	645	8.06	9.29
November.....	965	97	196	2.45	2.73
December.....	185	101	131	1.64	1.89
January.....	188	100	134	1.68	1.94
February.....	300	85	126	1.58	1.64
March.....	450	80	128	1.60	1.84
April.....	198	83	102	1.28	1.43
May.....	140	56	76.7	.959	1.11
June.....	123	45	61.9	.774	.86
July.....	62	11.0	36.1	.451	.52
August.....	140	18.0	42.4	.530	.61
September.....	83	6.2	36.3	.454	.51
The year.....	12,600	6.2	144	1.80	24.37

* Estimated.

LITTLE SUGAR CREEK NEAR CHARLOTTE, N. C.

LOCATION.—Water-stage recorder just upstream from sewage-disposal plant of city of Charlotte, one-fourth mile downstream from mouth of Brier Creek, and 5 miles south of Charlotte, Mecklenburg County.

DRAINAGE AREA.—41.4 square miles.

RECORDS AVAILABLE.—July, 1924, to September, 1930.

EXTREMES.—Maximum discharge during year, 2,760 second-feet Oct. 2 (gage height, 10.4 feet); minimum, 4.6 second-feet Sept. 2-4 (gage height, 1.63 feet).

1924-1930: Maximum discharge, about 7,030 second-feet Aug. 16, 1928 (gage height, 14.97 feet); minimum, 1.6 second-feet July 30, Aug. 1, 1925.

REMARKS.—Records good below and fair above 1,000 second-feet. Discharge estimated Jan. 14-18, May 14-18.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	689	17	25	38	133	26	22	14	12	11	19	5.6
2	1,190	16	272	37	144	26	22	14	12	10	9.5	5.3
3	64	266	134	37	126	24	28	14	12	10	8.5	5.3
4	34	219	61	33	256	24	27	14	11	9.5	8.5	5.3
5	25	46	49	30	145	23	23	14	11	9.5	7.5	45
6	22	31	43	28	75	23	49	14	24	9.0	8.0	9.5
7	19	26	41	30	62	162	31	14	14	9.0	9.8	14
8	16	24	44	30	54	55	23	56	12	8.0	8.5	41
9	15	21	37	30	46	34	21	46	10	7.5	7.0	12
10	14	19	34	28	44	30	20	21	10	7.0	38	8.5
11	14	23	31	28	41	38	20	16	10	7.0	14	7.5
12	14	110	27	27	40	35	19	20	9.5	7.0	8.0	6.7
13	14	51	27	28	44	33	18	51	12	7.5	6.3	6.3
14	14	35	27	150	62	31	18	170	10	34	6.3	7.0
15	13	31	27	260	41	27	19	80	10	18	6.0	15
16	12	28	27	190	35	26	18	30	19	16	6.0	39
17	12	34	26	80	33	33	17	20	113	338	6.0	22
18	12	54	190	100	33	44	17	20	56	34	51	8.5
19	12	30	193	61	31	46	22	19	16	17	10	7.5
20	11	25	62	54	31	34	20	17	12	14	7.5	7.5
21	128	23	46	51	30	27	17	16	12	12	6.7	9.0
22	227	22	47	81	28	27	17	16	11	11	95	7.0
23	34	55	157	66	30	26	16	15	9.5	10	11	6.7
24	24	41	101	55	33	71	16	15	9.5	10	8.5	6.3
25	21	35	68	49	30	43	15	14	24	9.5	7.5	6.3
26	19	185	66	44	27	35	14	14	115	9.5	7.0	10
27	17	73	71	44	27	27	14	14	100	9.0	6.7	6.0
28	16	49	75	78	26	26	14	13	14	9.5	6.3	5.6
29	16	40	57	57	-----	26	14	14	12	9.5	6.3	5.6
30	37	33	46	57	-----	24	14	12	12	9.0	6.0	5.6
31	19	-----	43	89	-----	23	-----	12	-----	17	6.0	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,190	11	89.5	2.16	2.49
November	266	16	55.4	1.34	1.50
December	272	25	69.5	1.68	1.94
January	260	27	63.5	1.53	1.76
February	256	26	61.0	1.47	1.53
March	162	23	36.4	.879	1.01
April	49	14	20.2	.488	.54
May	170	12	26.4	.638	.74
June	115	9.5	23.8	.575	.64
July	338	7.0	22.5	.543	.63
August	95	6.0	13.3	.321	.37
September	45	5.3	11.6	.280	.31
The year	1,190	5.3	41.1	.993	13.46

BROAD RIVER NEAR CHIMNEY ROCK, N. C.

LOCATION.—Water-stage recorder 1,000 feet downstream from Lake Lure Dam, 1½ miles upstream from old gaging station at Uree, and 3 miles east of Chimney Rock, Rutherford County.

DRAINAGE AREA.—97 square miles.

RECORDS AVAILABLE.—March, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 5,480 second-feet Oct. 1 (gage height, 6.65 feet); minimum, 1.4 second-feet several times during August and September (gage height, 0.38 foot).

1927-1930: Maximum discharge (estimated), 20,500 second-feet Aug. 15, 1928 (gage height, 15.0 feet); minimum, 0.7 second-foot Sept. 13, 1928 (gage height, 0.26 foot).

REMARKS.—Records good. Discharge estimated Feb. 10, July 9-14. Large diurnal fluctuation caused by operation of power plant at dam. Practically no storage utilized in Lake Lure.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,230	323	92	230	158	112	151	154	3.3	72	64	74
2.....	1,320	284	316	279	90	7.1	114	154	146	72	70	71
3.....	836	230	360	320	245	235	158	114	142	70	1.9	1.5
4.....	666	532	280	220	373	147	152	4.3	75	2.9	76	72
5.....	599	454	242	58	390	150	120	244	70	66	75	1.5
6.....	464	394	273	232	265	148	142	152	76	2.9	74	34
7.....	390	362	232	237	310	419	204	76	112	72	1.9	1.5
8.....	399	346	134	237	191	478	235	185	3.9	69	76	73
9.....	320	324	325	154	112	203	272	278	237	70	74	75
10.....	235	114	279	237	282	282	232	108	75	70	2.1	74
11.....	265	303	234	156	233	148	148	27	76	70	76	194
12.....	314	334	202	80	235	234	147	232	76	30	74	230
13.....	144	387	194	236	88	153	4.7	146	78	2	1.5	34
14.....	278	390	195	234	241	236	234	150	194	70	74	2.0
15.....	231	392	162	280	188	189	236	143	4.9	72	74	67
16.....	232	362	314	324	135	8.2	152	148	236	78	37	73
17.....	229	172	282	287	240	236	149	142	68	1.5	2.4	66
18.....	232	466	311	187	238	238	149	3.5	152	73	74	70
19.....	112	442	154	57	146	234	190	224	79	72	74	72
20.....	80	353	316	236	148	242	4.3	223	152	2.7	76	108
21.....	821	301	156	154	233	150	232	142	68	74	74	2.1
22.....	1,370	360	122	238	151	150	232	69	3.5	74	76	72
23.....	616	270	200	248	8.8	8.8	148	146	232	64	148	72
24.....	584	130	352	238	240	268	75	140	73	77	1.7	114
25.....	458	345	177	201	237	172	154	4.7	76	76	75	148
26.....	296	358	280	66	148	144	142	142	70	37	74	144
27.....	210	312	234	243	148	144	5.7	109	74	1.5	72	34
28.....	401	304	279	240	230	146	240	144	70	75	72	2.5
29.....	379	306	162	161	147	150	70	3.1	74	74	74	73
30.....	237	224	277	243	149	76	104	146	75	34	71	71
31.....	354	242	201	148	148	148	69	69	1.5	1.4	1.4	1.4

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	1,370	80	461	4.75	5.48
November.....	532	114	329	3.39	3.78
December.....	360	92	238	2.45	2.82
January.....	324	57	210	2.16	2.49
February.....	390	8.8	204	2.19	2.19
March.....	478	7.1	185	1.9	2.20
April.....	272	4.3	155	1.67	1.78
May.....	278	3.5	131	1.35	1.56
June.....	237	3.1	95.7	.97	1.10
July.....	78	1.5	53.8	.555	.64
August.....	148	1.4	57.4	.572	.68
September.....	230	1.5	70.9	.731	.82
The year.....	1,370	1.4	183	1.87	25.54

BROAD RIVER NEAR BOILING SPRINGS, N. C.

LOCATION.—Water-stage recorder half a mile upstream from mouth of Sandy Run Creek and $3\frac{1}{2}$ miles southwest of Boiling Springs, Cleveland County.

DRAINAGE AREA.—815 square miles.

RECORDS AVAILABLE.—June, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 35,900 second-feet Oct. 2 (gage height, 17.25 feet); minimum, 200 second-feet Sept. 2.

1925-1930: Maximum discharge, 56,800 second-feet Aug. 16, 1928 (gage height, 23.3 feet); minimum, 186 second-feet Sept. 21, 22, 1925.

REMARKS.—Records good except those for estimated periods, Oct. 5-10, Nov. 27 to Dec. 4, which are fair. Diurnal regulation caused by operation of power plants on Second Broad and Green Rivers.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11,900	2,020	1,600	1,950	1,520	1,430	1,540	1,170	695	836	636	331
2	28,500	2,080	2,000	1,870	1,420	1,220	1,490	1,170	585	620	556	302
3	9,800	2,100	2,600	2,240	1,420	985	1,300	1,120	605	518	455	513
4	4,400	2,910	2,200	1,840	2,250	1,570	1,320	1,040	810	425	397	425
5	3,160	2,790	2,080	1,740	3,290	1,440	1,320	775	620	425	425	369
6	2,550	2,550	1,960	1,520	2,550	1,390	1,520	1,250	1,040	397	398	460
7	2,190	2,310	1,920	1,780	2,200	2,470	1,840	1,250	897	518	565	284
8	1,840	2,310	1,740	1,640	2,080	3,760	1,830	1,470	775	641	485	364
9	1,840	2,080	1,420	1,770	1,520	2,430	1,720	1,300	695	666	533	474
10	1,520	1,740	1,960	1,680	1,420	1,790	1,690	1,140	922	620	485	425
11	1,610	1,260	1,920	1,640	2,020	1,990	1,390	1,010	813	674	455	547
12	1,610	2,060	1,780	1,320	1,860	1,780	1,350	985	955	620	518	740
13	1,380	2,900	1,720	1,170	1,750	1,750	1,220	1,430	775	455	455	719
14	1,120	2,550	1,480	1,750	1,710	1,680	898	1,520	1,080	455	397	455
15	1,610	3,560	1,420	2,200	1,520	1,570	1,460	1,500	735	455	343	725
16	1,530	2,910	1,260	2,240	1,320	1,420	1,310	1,260	620	573	534	658
17	1,510	2,780	1,850	1,990	1,260	1,220	1,450	1,020	984	914	455	610
18	1,480	5,140	1,850	1,950	1,700	1,860	1,320	940	1,210	818	505	575
19	1,460	3,820	2,120	1,520	1,640	1,880	1,410	940	1,050	660	455	425
20	1,080	2,910	2,080	1,320	1,600	1,820	1,260	1,240	658	485	730	618
21	1,370	2,670	1,960	1,720	1,580	1,760	985	1,140	786	485	694	485
22	7,690	2,330	1,520	1,790	1,370	1,470	1,520	1,030	695	624	590	397
23	4,980	2,430	1,520	1,810	1,320	1,260	1,510	902	620	682	684	558
24	3,290	1,960	1,620	1,760	1,120	1,080	1,440	882	868	649	535	593
25	2,670	1,740	1,620	1,620	1,620	1,720	1,200	815	962	449	425	796
26	2,230	2,310	1,840	1,320	1,630	1,690	1,190	695	895	425	369	695
27	1,840	2,400	1,960	1,170	1,530	1,410	1,030	1,190	950	397	566	633
28	1,520	2,100	1,740	1,690	1,520	1,400	855	1,090	847	403	554	332
29	2,140	2,100	1,960	1,710	-----	1,330	1,260	1,100	658	664	566	359
30	2,190	1,700	1,740	1,780	-----	1,120	1,170	940	550	805	340	518
31	2,060	-----	2,080	1,790	-----	1,120	-----	876	-----	794	327	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	28,500	1,080	3,680	4.52	5.21
November	5,140	1,260	2,480	3.04	3.39
December	2,600	1,260	1,820	2.23	2.57
January	2,240	1,170	1,720	2.11	2.43
February	3,290	1,120	1,700	2.09	2.13
March	3,760	985	1,640	2.01	2.32
April	1,840	855	1,360	1.67	1.86
May	1,520	695	1,100	1.35	1.56
June	1,210	550	812	.996	1.11
July	914	397	586	.719	.83
August	730	327	498	.611	.70
September	796	284	513	.629	.70
The year	28,500	284	1,490	1.83	24.86

BROAD RIVER AT RICHTEX, S. C.

LOCATION.—Water-stage recorder 1 mile upstream from mouth of Little River at Richtex, Fairfield County.

DRAINAGE AREA.—4,800 square miles.

RECORDS AVAILABLE.—November, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year (estimated), 239,000 second-feet Oct. 3 (gage height, 30.7 feet); minimum (estimated), 225 second-feet Sept. 3 (gage height, 0.40 foot).

1925-1930: Maximum discharge, that of Oct. 3, 1929; minimum (estimated), 155 second-feet Oct. 2, 1927.

REMARKS.—Records good except those for Oct. 3-16, Sept. 2, 3, which were estimated. Complete regulation by operation of Parr Shoals hydroelectric plant, 11 miles upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	41,500	5,450	6,170	6,900	10,500	5,220	5,430	5,600	991	4,091	1,970	1,340
2.....	119,000	5,220	9,050	7,100	10,400	5,070	5,420	5,080	2,780	2,901	4,790	280
3.....	211,000	5,070	22,500	7,200	10,300	5,420	5,250	3,660	3,120	2,101	6,820	260
4.....	112,000	19,000	18,300	6,870	11,000	6,210	5,220	1,680	3,690	1,671	3,500	1,840
5.....	48,000	18,100	11,800	7,100	16,800	4,950	4,680	1,870	4,050	2,331	2,220	2,540
6.....	19,800	10,700	8,900	7,080	15,800	5,990	5,070	3,200	4,620	1,801	2,800	6,420
7.....	12,200	8,180	7,960	6,890	11,600	5,910	6,300	4,490	2,850	2,481	3,140	4,000
8.....	8,300	7,370	9,020	6,570	9,360	13,000	6,540	4,740	6,520	2,311	2,180	2,140
9.....	7,300	6,810	7,870	6,500	8,020	13,700	6,390	4,850	5,510	2,271	1,770	1,690
10.....	6,700	5,800	7,460	6,450	8,250	10,700	5,990	4,710	3,900	2,151	1,770	2,000
11.....	6,500	5,500	7,290	5,290	7,540	8,330	6,020	4,450	2,780	2,161	2,810	3,980
12.....	4,700	6,380	7,110	5,360	7,400	7,650	4,350	5,700	3,920	2,781	2,670	2,340
13.....	3,600	8,150	6,670	5,200	7,330	7,780	4,500	4,350	3,630	1,701	2,560	1,960
14.....	5,800	8,060	5,980	7,630	7,160	6,950	5,340	5,300	3,270	1,161	3,280	1,580
15.....	6,300	7,930	5,830	14,900	7,030	6,130	5,520	7,770	1,220	4,141	2,250	1,650
16.....	3,800	10,000	5,630	16,600	6,520	5,940	5,700	6,680	2,440	5,621	2,030	3,550
17.....	4,980	9,530	5,540	11,500	6,080	6,120	5,430	5,440	3,520	6,151	1,330	4,620
18.....	5,770	19,600	7,650	9,020	6,300	5,620	5,460	4,780	4,550	5,651	2,250	4,370
19.....	4,560	23,500	12,400	9,020	6,890	5,660	3,110	4,860	6,140	4,101	3,240	3,210
20.....	1,900	16,800	10,900	7,750	6,530	6,740	3,300	4,580	4,630	1,801	3,480	2,450
21.....	6,060	10,400	7,490	7,020	5,990	6,570	6,180	4,700	3,000	2,211	3,990	1,620
22.....	8,370	8,340	7,100	7,490	5,420	6,120	4,670	4,780	1,400	2,571	2,980	3,400
23.....	19,000	8,900	9,360	9,000	5,070	5,940	4,300	4,690	2,890	3,331	2,070	3,020
24.....	15,800	8,020	13,900	8,050	6,330	5,940	4,850	3,420	2,920	2,781	1,660	2,210
25.....	9,460	6,890	11,100	6,630	5,840	5,990	4,930	1,110	4,300	2,601	2,060	1,900
26.....	7,070	9,290	8,680	5,940	6,140	6,820	3,080	2,680	4,370	3,261	1,530	3,020
27.....	5,820	13,700	7,700	5,760	6,060	6,420	3,150	2,730	4,420	1,571	1,710	2,870
28.....	6,230	10,400	7,700	7,280	5,800	5,800	3,600	4,020	3,070	1,101	2,740	1,520
29.....	6,000	8,440	7,700	10,800	-----	4,750	3,960	4,220	2,320	3,891	2,070	2,350
30.....	6,080	6,810	8,110	10,700	-----	4,500	4,940	3,200	4,060	4,691	1,440	1,970
31.....	5,010	-----	7,380	9,710	-----	5,800	-----	3,150	-----	4,151	1,730	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	-----	1,900	23,500	4.8 ^a	5.65
November.....	23,500	5,070	9,940	2.07	2.31
December.....	22,500	5,540	9,040	1.88	2.17
January.....	16,600	5,200	8,040	1.68	1.94
February.....	16,800	5,070	8,120	1.69	1.76
March.....	13,700	4,500	6,670	1.39	1.60
April.....	6,540	3,080	4,960	1.08	1.15
May.....	7,770	1,110	4,270	.890	1.03
June.....	6,520	991	3,560	.742	.83
July.....	6,150	1,100	2,950	.614	.71
August.....	6,820	1,330	2,590	.540	.62
September.....	6,420	-----	2,540	.529	.59
The year.....	-----	-----	7,200	1.50	20.36

SECOND BROAD RIVER AT CLIFFSIDE, N. C.

LOCATION.—Water-stage recorder at Cliffside, Rutherford County, 2 miles upstream from mouth of river.

DRAINAGE AREA.—230 square miles.

RECORDS AVAILABLE.—June, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 10,800 second-feet Oct. 2 (gage height, 12.60 feet); minimum, 29 second-feet Aug. 31.

1925-1930: Maximum discharge, 15,000 second-feet Aug. 16, 1928 (gage height, 17.26 feet); minimum, 9.6 second-feet June 21, 1925.

REMARKS.—Records good. Large diurnal fluctuation caused by operation of Cliffside Mills one-fourth mile upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	3,380	276	301	342	256	341	206	247	164	152	141	144
2-----	9,620	322	462	332	289	256	188	242	221	176	248	140
3-----	3,890	341	621	407	366	318	193	240	201	160	126	149
4-----	841	732	478	316	488	318	216	265	204	82	172	69
5-----	569	494	396	299	748	318	290	212	170	124	162	120
6-----	488	367	375	312	528	289	308	257	230	85	130	90
7-----	448	342	356	282	433	640	476	257	198	208	129	38
8-----	371	332	352	271	492	915	416	306	196	172	124	118
9-----	264	344	358	272	294	593	351	270	290	156	116	127
10-----	336	342	328	252	347	476	292	173	234	104	76	166
11-----	250	274	318	308	408	438	277	328	220	136	181	126
12-----	338	356	313	202	316	422	302	323	146	66	159	118
13-----	274	650	295	280	322	396	288	280	154	53	176	115
14-----	328	512	274	291	350	380	224	304	197	167	127	64
15-----	280	950	294	466	282	320	250	350	78	182	62	234
16-----	283	626	332	490	308	358	268	290	210	200	85	165
17-----	282	636	302	394	344	455	256	177	223	226	90	144
18-----	294	1,460	312	366	307	376	250	219	308	201	202	120
19-----	291	998	488	352	312	400	230	344	278	104	159	125
20-----	298	626	438	360	296	428	244	314	204	80	172	121
21-----	395	516	354	309	300	360	316	283	130	187	120	39
22-----	1,750	440	355	314	246	408	265	250	120	148	62	150
23-----	1,090	407	428	318	285	306	264	208	235	166	110	160
24-----	477	404	384	288	352	346	260	160	199	134	68	133
25-----	362	406	302	342	316	310	271	172	184	88	182	159
26-----	284	425	350	225	306	295	254	266	168	100	123	181
27-----	271	432	296	266	296	242	192	239	158	40	142	129
28-----	282	370	326	248	290	218	253	216	189	172	122	54
29-----	236	383	428	252	-----	196	245	174	126	192	129	180
30-----	242	305	399	263	-----	167	249	179	181	223	54	152
31-----	263	-----	362	262	-----	206	-----	218	-----	140	29	-----

Month	Maximum	Minimum	Mean	For square mile	Run-off in inches
October-----	9,620	236	928	4.03	4.65
November-----	1,460	274	502	2.18	2.43
December-----	621	274	367	1.60	1.84
January-----	490	202	312	1.36	1.57
February-----	748	246	353	1.53	1.59
March-----	915	167	371	1.61	1.86
April-----	476	188	270	1.17	1.30
May-----	350	160	250	1.09	1.26
June-----	308	78	194	.843	.94
July-----	226	40	142	.617	.71
August-----	248	29	128	.557	.64
September-----	234	38	128	.557	.62
The year-----	9,620	29	329	1.43	19.41

NORTH PACOLET RIVER AT FINGERVILLE, S. C.

LOCATION.—Water-stage recorder about 800 feet downstream from mouth of Obed Creek at McMillers Mill and 1 mile south of Fingerville, Spartanburg County.

DRAINAGE AREA.—116 square miles.

RECORDS AVAILABLE.—November, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period of record, 1,160 second-feet Mar. 8 (gage height, 4.57 feet); minimum, 27 second-feet Sept. 9 (gage height, 0.43 foot).

REMARKS.—Records good for discharges between 60 and 800 second-feet; fair beyond these limits. Diurnal fluctuation caused by operation of mills upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		278	271	242	184	168	143	108	123	100	60
2		410	292	253	190	168	140	113	107	86	61
3		493	358	298	188	174	136	110	100	83	59
4		358	291	435	184	181	137	110	96	85	60
5		332	273	623	183	175	136	199	94	81	60
6		315	266	384	183	328	134	238	90	79	65
7		303	264	315	510	290	208	156	93	97	74
8		294	258	289	851	214	153	140	90	164	67
9		282	251	269	358	190	142	132	90	92	70
10		273	247	260	287	183	137	124	86	81	65
11		269	242	247	264	179	147	118	89	81	76
12		262	233	238	247	177	156	114	86	83	88
13		258	233	231	229	172	143	125	85	79	76
14		255	255	240	221	170	168	128	89	81	70
15		258	383	221	216	167	179	116	96	85	77
16		251	371	221	206	162	140	112	128	78	70
17		247	298	212	202	160	136	128	116	107	71
18		282	284	206	204	181	136	170	107	128	71
19		398	266	202	223	194	148	130	94	127	75
20		320	255	200	204	168	142	113	92	86	93
21		287	249	200	194	160	132	110	89	80	100
22		287	262	196	194	156	128	119	89	93	108
23		318	262	196	194	151	125	108	84	96	84
24		294	244	196	188	155	130	118	86	85	79
25		271	233	190	188	153	125	126	84	81	86
26	398	271	229	188	190	148	119	112	83	74	78
27	345	278	227	188	179	145	118	112	80	73	77
28	318	298	227	186	177	145	119	101	83	74	67
29	301	332	227		177	143	118	96	80	69	64
30	289	301	249		175	143	114	94	80	64	73
31		282	249		172		120		97	62	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
November 26-30	398	289	330	2.84	0.53
December	493	247	302	2.60	3.00
January	383	227	266	2.29	2.64
February	623	186	255	2.20	2.29
March	851	172	238	2.05	2.36
April	328	143	177	1.53	1.71
May	206	114	139	1.20	1.38
June	238	94	126	1.09	1.22
July	128	80	93.1	.80?	.92
August	164	62	88.2	.76?	.88
September	108	59	74.1	.63?	.71

PACOLET RIVER NEAR FINGERVILLE, S. C.

LOCATION.—Water-stage recorder at county highway bridge one-fourth mile downstream from confluence of North and South Pacolet Rivers and 2½ miles southeast of Fingerville, Spartanburg County.

DRAINAGE AREA.—212 square miles.

RECORDS AVAILABLE.—November, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period of record, 1,660 second-feet Mar. 8 (gage height, 3.07 feet); minimum, 54 second-feet Sept. 28.

REMARKS.—Records good for discharge between 60 and 1,000 second-feet; fair beyond these limits. Diurnal fluctuation caused by operation of power plant on South Pacolet River and by mills on North Pacolet River. About 3,000,000 gallons daily diverted above station for Spartanburg water supply.

Daily and monthly discharge, in second-feet, 1929-30

Day	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		337	485	350	292	288	254	142	191	145	129
2		564	518	333	210	288	221	166	171	128	132
3		752	600	420	305	288	166	166	160	134	123
4		600	450	643	305	288	193	165	150	123	122
5		545	309	895	305	237	205	250	155	127	122
6		485	377	660	305	361	193	305	135	120	118
7		395	377	551	740	415	270	221	155	141	132
8		333	377	530	1,220	345	221	190	150	219	136
9		455	368	325	372	305	199	247	150	138	135
10		455	368	465	482	305	193	238	145	126	136
11		381	363	545	518	288	184	192	148	121	144
12		440	288	448	518	288	270	205	143	137	153
13		440	440	325	490	221	254	204	138	120	151
14		354	445	345	430	288	288	172	134	110	120
15		309	540	325	274	288	305	156	150	121	153
16		372	613	270	237	288	270	156	190	128	139
17		368	545	325	305	270	237	213	182	144	146
18		425	480	425	305	288	162	305	173	176	133
19		564	314	325	325	274	270	254	150	187	125
20		430	415	325	325	213	270	202	125	147	147
21		386	475	325	305	270	254	173	143	141	149
22		337	485	282	270	288	221	167	142	144	171
23		450	460	210	213	270	182	173	135	153	144
24		475	377	305	345	288	185	182	147	127	140
25		395	333	305	368	288	169	196	146	135	158
26	572	390	280	363	367	233	179	176	140	136	141
27	522	400	333	390	363	184	176	179	113	129	150
28	490	410	354	390	368	270	176	160	133	116	116
29	475	368	400		254	270	182	141	124	128	126
30	405	465	445		218	270	176	155	129	123	138
31		518	450		288		179		147	117	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
November 26-30	572	405	493	2.33	0.43
December	752	309	439	2.07	2.39
January	613	280	422	1.99	2.29
February	895	210	404	1.91	1.99
March	1,220	210	375	1.77	2.04
April	415	184	282	1.33	1.43
May	305	162	216	1.02	1.18
June	305	141	195	.920	1.03
July	191	113	148	.698	.80
August	219	110	137	.646	.74
September	171	116	138	.651	.73

SOUTH PACOLET RIVER RESERVOIR NEAR FINGERVILLE, S. C.

LOCATION.—Water-stage recorder at highway bridge across South Pacolet River Reservoir 1 mile upstream from dam and $1\frac{1}{4}$ miles south of Fingerville, Spartanburg County. Zero of gage 760 feet above mean sea level.

DRAINAGE AREA.—92 square miles.

RECORDS AVAILABLE.—March to September, 1930.

EXTREMES.—Maximum stage, 14.97 feet Mar. 10; minimum, 3.84 feet Sept. 30.

REMARKS.—Record good. City of Spartanburg diverts about 3,000,000 gallons daily for water supply from reservoir, also uses water for power purposes. Capacity of reservoir, 117.5 million cubic feet at elevation 775 feet. Crest of concrete spillway is at elevation 772 feet; 3 feet of additional storage by flashboards used to develop full capacity.

Daily gage height, in feet, 1930

Day	Mar.	Apr.	May	June	July	Aug.	Sept.
1		11.31	9.80	9.86	11.25	8.52	9.28
2		11.13	9.63	9.89	11.73	8.50	8.95
3		11.00	9.79	9.80	11.69	8.21	8.64
4		10.90	9.96	9.68	11.54	8.11	8.29
5		10.88	10.00	9.57	11.50	7.85	8.02
6	11.95	11.76	10.08	11.69	11.50	7.47	7.90
7	12.43	12.78	10.37	12.85	11.30	7.33	7.88
8	12.61	12.80	10.60	13.18	11.30	8.98	7.52
9	14.54	12.67	11.17	13.18	11.20	10.33	7.60
10	14.83	12.53	11.41	12.78	11.00	10.53	7.59
11	14.24	12.40	11.73	12.60	10.70	10.51	7.48
12	13.52	12.24	11.82	12.37	10.40	10.41	7.43
13	12.67	12.38	11.57	12.18	10.10	10.26	7.28
14	11.78	12.40	11.46	12.21	9.80	10.08	7.18
15	11.64	12.17	11.39	12.28	9.20	10.02	7.09
16	12.23	11.91	11.05	12.37	9.20	10.02	6.88
17	12.50	11.63	10.78	12.30	10.42	10.29	6.59
18	12.57	11.47	11.03	12.10	10.43	10.45	6.14
19	12.79	11.61	11.08	11.68	10.38	10.66	5.91
20	12.85	11.95	10.75	11.25	10.46	10.66	5.89
21	12.80	12.02	10.29	11.16	10.38	10.60	5.97
22	12.82	11.80	9.91	11.33	10.14	10.68	6.00
23	13.34	11.53	9.92	11.30	9.87	10.66	5.80
24	13.45	11.24	9.99	11.20	9.63	10.68	5.55
25	13.01	10.88	10.08	11.18	9.38	10.60	5.74
26	12.53	10.67	10.10	11.11	9.19	10.45	5.44
27	11.99	10.96	10.08	11.02	8.94	10.31	5.12
28	11.34	10.93	10.05	10.91	8.75	10.14	4.83
29	10.96	10.53	9.98	10.89	8.63	9.99	4.52
30	11.45	10.14	9.88	10.71	8.55	9.75	4.08
31	11.54		9.82		8.39	9.55	

TIGER RIVER NEAR WOODRUFF, S. C.

LOCATION.—Water-stage recorder at Nesbitts Bridge half a mile downstream from confluence of North and South Tiger Rivers and $6\frac{1}{2}$ miles east of Woodruff, Spartanburg County.

DRAINAGE AREA.—334 square miles.

RECORDS AVAILABLE.—October, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period, 2,610 second-feet Nov. 18 (gage height, 5.21 feet); minimum, 85 second-feet Sept. 8 (gage height, 1.78 feet).
Maximum known discharge (estimated), 30,100 second-feet September, 1929 (gage height, 14.65 feet).

REMARKS.—Records good for discharges between 120 and 15,000 second-feet; fair beyond these limits. Diurnal fluctuation caused by operation of mills upstream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		393	471	553	760	418	540	422	154	353	513	104
2		363	712	651	623	380	500	354	194	443	426	199
3		922	1,170	758	687	392	499	315	298	344	184	186
4		1,460	978	715	980	580	632	318	340	234	156	191
5		940	838	530	1,140	556	559	310	406	216	268	173
6		766	765	525	1,120	539	420	472	1,340	172	224	183
7		603	609	652	875	998	511	377	766	194	201	126
8		547	475	706	614	1,000	671	460	557	312	452	97
9		516	532	600	528	1,010	717	492	373	321	351	220
10		316	637	561	628	765	570	430	485	358	269	174
11		434	685	508	730	788	603	288	303	277	269	158
12		696	579	387	765	772	418	318	335	218	444	204
13		800	593	413	646	624	353	552	340	134	387	190
14		724	490	635	719	626	478	877	356	120	326	136
15		767	384	886	656	497	486	603	194	470	205	305
16		1,070	463	894	336	365	462	454	230	606	239	223
17		1,160	523	856	436	441	505	448	572	620	148	322
18		2,440	532	610	604	599	421	365	788	420	172	248
19		1,860	620	472	570	648	322	329	590	464	475	215
20		1,100	605	512	570	725	323	475	429	178	450	254
21			856	589	663	660	589	364	408	340	156	456
22			693	411	793	421	498	592	448	254	268	365
23			704	547	638	388	358	574	340	267	279	264
24		340	550	695	636	461	416	503	320	432	420	148
25		392	538	616	567	587	591	496	198	474	262	153
26		544	784	510	416	553	606	327	217	424	237	226
27		456	892	646	431	540	578	279	375	302	156	196
28		436	783	730	646	620	547	330	330	243	262	220
29		493	573	672	627		360	488	392	154	370	181
30		498	555	546	687		282	484	310	156	254	184
31		439		590	718		396		297		370	128

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October 24-31	544	340	450	1.35	0.40
November	2,440	316	827	2.48	2.77
December	1,170	384	620	1.86	2.14
January	894	387	621	1.86	2.14
February	1,140	336	651	1.95	2.03
March	1,010	282	579	1.73	1.90
April	717	279	481	1.44	1.61
May	877	198	397	1.10	1.37
June	1,340	154	403	1.21	1.35
July	620	120	306	.918	1.06
August	513	128	280	.838	.97
September	325	97	204	.611	.68

ENOREE RIVER NEAR ENOREE, S. C.

LOCATION.—Water-stage recorder half a mile above Yarboroughs Bridge, three-fourths mile above mouth of Warrior Creek, and 4 miles southeast of Enoree, Spartanburg County.

DRAINAGE AREA.—307 square miles.

RECORDS AVAILABLE.—August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period of record (estimated), 35,800 second-feet Oct. 2 (gage height, 10.5 feet); minimum, 52 second-feet Sept. 9, 1930 (gage height, 1.55 feet).

REMARKS.—Record good except those for Aug. 8, Sept. 29, 30, Oct. 3-10, Nov. 24-26, 1929, June 8, 1930, which were estimated. Diurnal fluctuation caused by operation of power plants upstream.

Daily discharge, in second-feet, 1929-30

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1929			1929			1929		
1.....		294	11.....	185	315	21.....	329	308
2.....		215	12.....	262	358	22.....	195	274
3.....		226	13.....	886	287	23.....	185	343
4.....		315	14.....	525	406	24.....	343	336
5.....		468	15.....	382	308	25.....	506	329
6.....		366	16.....	200	280	26.....	358	15,300
7.....		816	17.....	308	1,780	27.....	262	23,500
8.....	350	516	18.....	406	1,060	28.....	220	11,460
9.....	624	449	19.....	422	648	29.....	195	3,600
10.....	220	422	20.....	195	406	30.....	468	7,500
						31.....	390	-----

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1929-30												
1.....	12,200	440	478	414	569	458	422	367	200	281	595	147
2.....	22,100	449	1,190	422	569	414	365	322	320	232	786	173
3.....	7,500	458	1,670	558	591	355	412	258	283	268	226	173
4.....	3,400	2,450	981	635	-862	414	452	406	239	227	225	150
5.....	2,000	735	722	516	1,110	441	430	365	294	245	190	141
6.....	1,600	525	648	468	802	408	496	343	1,360	217	208	120
7.....	1,200	487	613	478	613	967	613	376	1,640	264	214	162
8.....	900	496	613	458	558	1,180	506	324	440	204	210	188
9.....	500	487	558	458	536	788	449	386	411	267	228	84
10.....	480	440	547	440	516	602	433	436	309	130	154	183
11.....	487	487	536	422	525	569	422	414	308	228	204	170
12.....	458	710	525	422	525	547	353	404	304	158	130	144
13.....	440	635	496	432	516	525	350	468	306	200	218	126
14.....	390	613	414	527	580	496	406	597	319	194	175	214
15.....	406	660	340	737	516	468	346	488	250	361	138	393
16.....	398	872	358	858	487	468	406	425	309	540	162	238
17.....	390	760	422	635	464	485	342	366	577	478	162	248
18.....	390	5,000	468	558	478	486	336	364	1,000	390	604	254
19.....	350	1,650	406	536	451	506	342	406	416	269	794	188
20.....	329	872	374	487	447	496	406	398	300	220	358	160
21.....	506	710	358	496	439	487	400	334	254	256	254	205
22.....	5,700	602	382	558	449	478	348	343	315	274	215	221
23.....	3,500	635	547	536	449	440	385	251	281	217	194	184
24.....	780	672	591	506	456	468	380	343	284	232	175	171
25.....	449	788	406	468	442	463	334	249	456	232	204	175
26.....	547	946	458	458	464	450	347	335	474	244	240	152
27.....	440	802	440	458	449	450	336	285	399	221	139	190
28.....	414	648	468	748	445	396	398	304	266	228	195	176
29.....	468	602	478	569	-----	377	366	247	256	268	169	154
30.....	468	496	449	547	-----	374	406	322	270	233	140	160
31.....	440	-----	430	558	-----	435	-----	302	-----	240	154	-----

Monthly discharge, in second-feet, of Enoree River near Enoree, S. C., 1929-30

Month	Maximum	Minimum	Mean	P square mile	Run-off in inches
1929					
August 8-31.....	886	185	351	1.14	1.02
September.....	23,500	215	2,430	7.92	8.84
1929-30					
October.....	22,100	329	2,250	7.33	8.45
November.....	5,000	440	871	2.84	3.17
December.....	1,670	340	561	1.83	2.11
January.....	858	414	528	1.72	1.98
February.....	1,110	439	547	1.78	1.85
March.....	1,180	355	513	1.67	1.92
April.....	613	394	400	1.30	1.45
May.....	597	247	362	1.18	1.36
June.....	1,640	200	428	1.39	1.55
July.....	540	130	260	.847	.98
August.....	794	130	260	.847	.98
September.....	393	84	181	.590	.66
The year.....	22,100	84	598	1.95	26.46

SANTEE RIVER BASIN

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SALUDA RIVER NEAR PELZER, S. C.

LOCATION.—Water-stage recorder half a mile downstream from mouth of Hurricane Creek and 2 miles north of Pelzer, Anderson County.

DRAINAGE AREA.—411 square miles.

RECORDS AVAILABLE.—September, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period of record, 9,400 second-feet Oct. 2 (gage height, 6.88 feet); minimum, 39 second-feet Sept. 23, 1930 (gage height, 0.89 foot).

REMARKS.—Records good except those for Sept. 5-24, 1929, when staff gage was used, and for July 13-16, 23-26, which were estimated. Diurnal fluctuation caused by operation of power plants at Piedmont and Greenville.

Daily and monthly discharge, in second-feet, 1929-30

Day	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		3,250	810	891	845	917	591	691	567	423	458	410	210
2		8,260	874	1,220	888	872	800	662	526	443	294	114	224
3		4,340	1,100	1,550	1,300	854	766	922	591	417	327	160	147
4		2,520	1,550	1,270	1,010	990	652	699	554	442	288	180	249
5	836	1,870	1,310	1,060	724	1,440	652	691	576	463	299	180	168
6	332	1,390	1,170	1,030	962	1,360	668	1,020	533	1,010	278	359	250
7	436	1,330	990	1,090	872	1,280	1,510	1,110	660	890	294	427	183
8	683	1,270	980	1,180	854	1,120	2,080	984	660	450	393	192	199
9	576	944	917	881	854	926	2,150	774	676	526	280	173	200
10	332	908	854	926	761	890	1,530	740	537	414	260	237	213
11	470	890	990	844	818	836	1,330	676	759	423	278	366	272
12	338	716	1,140	1,090	800	818	1,100	699	860	477	262	102	276
13	430	774	1,420	872	715	854	908	676	621	462	228	151	336
14	749	872	1,690	872	854	962	818	699	827	450	278	171	340
15	561	800	2,010	854	1,040	792	866	668	766	450	268	191	550
16	338	749	1,940	836	1,440	836	715	614	708	430	350	194	291
17	2,150	561	1,880	917	1,180	766	890	691	591	464	430	526	218
18	2,080	963	1,940	990	990	749	972	732	660	738	404	324	159
19	1,360	458	1,750	1,210	881	758	1,040	749	683	474	378	276	329
20	598	724	1,630	1,100	827	774	881	836	505	464	299	294	277
21	262	2,050	1,390	772	863	715	818	707	617	436	283	304	412
22	591	3,810	1,360	872	990	676	890	547	528	436	252	304	354
23	890	2,600	1,250	1,140	890	724	858	606	496	427	228	276	316
24	606	1,750	1,140	931	872	749	872	683	518	398	219	254	243
25	706	1,180	1,120	980	926	707	800	511	591	602	205	213	311
26	3,110	874	1,280	907	872	749	740	614	527	351	252	282	333
27	5,760	917	1,200	836	800	660	732	547	524	344	257	251	171
28	4,310	1,020	1,160	990	944	683	699	652	492	278	278	259	188
29	2,080	964	926	990	863	-----	644	577	443	273	425	249	286
30	1,420	852	974	827	827	-----	547	644	440	294	268	238	235
31	-----	845	-----	818	854	-----	766	-----	404	-----	214	167	-----
Month													
					Maximum		Minimum		Mean		Per square mile		Run-off in inches
1929													
September 5-30					5,760		262		1,230		2.99		2.89
1929-30													
October					8,260		458		1,630		3.96		4.56
November					2,010		810		1,290		3.14		3.50
December					1,550		772		992		2.41		2.78
January					1,440		715		913		2.22		2.56
February					1,440		660		873		2.12		2.21
March					2,150		547		945		2.30		2.65
April					1,110		511		714		1.74		1.94
May					860		404		595		1.45		1.67
June					1,010		273		472		1.15		1.28
July					458		-----		298		.725		.84
August					526		-----		102		.613		.71
September					550		147		265		.645		.72
The year					8,260		102		770		1.87		25.41

SALUDA RIVER AT CHAPPELLE, S. C.

LOCATION.—Water-stage recorder at steel highway bridge at Chappells, Newberry County, 8½ miles above mouth of Little River. Zero of gage 364.21 feet above mean sea level.

DRAINAGE AREA.—1,290 square miles.

RECORDS AVAILABLE.—May, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 63,700 second-feet Oct. 2 (gage height, 31.5 feet); minimum, 284 second-feet Sept. 4 (gage height, 1.25 feet).
1927-1930: Maximum discharge, that of Oct. 2, 1929; minimum, 220 second-feet Oct. 3, 1927.

REMARKS.—Records good except those for Oct. 10-17, Dec. 10-15, Sept. 4, which were estimated. Diurnal regulation caused by operation of Ware Shoals power plant.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	July	Aug.	Sept.
1	14,000	1,980	2,110	2,110	3,510	1,670	1,830	1,230	887	925	995	389
2	53,000	1,940	2,980	2,110	3,000	1,510	1,670	1,310	781	925	979	577
3	56,700	1,740	6,840	2,460	2,820	1,670	1,590	1,270	1,157	962	924	512
4	34,000	5,060	7,080	2,680	3,030	1,850	2,070	962	999	852	576	400
5	15,200	5,380	3,760	2,460	3,870	1,670	1,830	1,110	857	642	609	512
6	6,290	3,440	2,860	1,990	3,850	1,590	1,630	1,430	1,100	544	576	471
7	3,470	2,660	2,680	2,370	3,180	2,290	2,460	1,190	2,320	609	481	471
8	3,120	2,480	3,040	2,110	2,910	3,960	2,510	1,190	2,530	816	721	389
9	2,840	2,440	3,000	2,070	2,420	4,160	2,110	1,580	1,357	710	676	642
10	2,400	2,030	2,660	2,030	2,280	3,610	1,790	1,630	1,437	642	555	478
11	2,000	2,030	2,370	1,950	2,370	2,960	1,750	1,110	1,117	609	450	412
12	1,850	2,440	2,210	1,670	2,190	2,680	1,670	1,270	925	544	618	544
13	1,750	2,750	2,480	1,870	2,070	2,420	1,350	1,950	962	512	609	481
14	1,650	2,880	2,190	2,240	2,110	2,070	1,550	1,630	1,117	481	490	576
15	2,000	3,070	1,920	3,570	2,280	1,910	1,790	1,670	925	1,070	427	481
16	1,750	3,520	2,680	4,100	1,950	1,790	1,590	1,670	816	1,810	567	1,400
17	1,700	3,520	2,240	3,370	1,990	1,750	1,510	1,550	1,357	1,790	698	1,180
18	1,550	5,870	2,700	2,910	2,150	2,070	1,470	1,440	1,089	1,310	450	745
19	1,550	7,600	3,600	2,640	1,870	2,420	1,590	1,470	1,330	1,050	993	481
20	1,630	7,110	3,140	2,280	1,870	2,420	1,430	1,630	1,430	852	710	702
21	1,550	3,560	2,680	2,320	1,830	1,110	1,590	1,390	1,117	710	577	1,190
22	5,780	3,000	2,190	2,550	1,790	1,870	1,750	1,150	925	890	676	676
23	10,100	3,040	3,360	2,910	1,550	1,790	1,470	1,350	781	710	712	1,110
24	11,000	2,910	4,010	2,500	1,750	2,030	1,390	1,230	1,150	576	683	660
25	5,290	2,680	3,180	2,240	2,030	2,110	1,310	1,040	1,350	576	450	642
26	2,800	3,280	2,780	1,870	1,790	1,950	1,470	1,150	1,630	642	606	626
27	2,030	4,060	2,640	2,070	1,790	1,790	1,080	1,270	1,350	576	546	778
28	2,080	3,360	2,420	2,600	1,750	1,670	1,130	1,150	969	544	450	710
29	2,300	2,780	2,370	3,590	-----	1,670	1,550	888	888	927	576	481
30	2,160	2,500	2,460	4,300	-----	1,430	1,350	999	576	1,450	512	481
31	1,980	-----	2,370	3,510	-----	1,430	-----	999	-----	1,550	503	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	56,700	1,550	8,240	6.39	7.37
November	7,500	1,740	3,370	2.61	2.91
December	7,080	-----	2,980	2.31	2.66
January	4,300	1,670	2,560	1.98	2.28
February	3,870	1,550	2,360	1.83	1.91
March	4,160	1,430	2,140	1.66	1.91
April	2,510	1,080	1,640	1.27	1.42
May	1,950	888	1,320	1.02	1.18
June	2,530	576	1,180	.915	1.02
July	1,810	481	865	.670	.77
August	995	427	629	.488	.56
September	1,400	389	640	.496	.55
The year	56,700	389	2,330	1.81	24.54

SALUDA RIVER NEAR SILVERSTREET, S. C.

LOCATION.—Water-stage recorder installed Oct. 15, 1929, 500 feet upstream from Higgins Ferry bridge, 1 mile below mouth of Little River, and 2½ miles south of Silverstreet, Newberry County. Staff gage at same location used prior to Oct. 15, 1929. Zero of gage 345.28 feet above mean sea level.

DRAINAGE AREA.—1,570 square miles.

RECORDS AVAILABLE.—January, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year (estimated), 83,800 second-feet Oct. 3 (gage height, 33.97 feet); minimum, 409 second-feet Sept. 5.

1927–1930: Maximum discharge, that of Oct. 3, 1929; minimum, 248 second-feet Sept. 29, 1927 (gage height, 3.45 feet).

REMARKS.—Records good except those for Oct. 1–5, Aug. 19 to Sept. 2, which were estimated. Diurnal fluctuation caused by operation of power plants upstream.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	22,000	2,090	2,330	2,390	4,560	1,850	1,970	1,320	925	852	1,600	440
2.....	58,000	2,030	2,760	2,330	3,900	1,740	1,910	1,400	725	1,000	981	650
3.....	75,000	1,910	6,270	2,880	3,400	1,740	1,740	1,320	1,130	1,000	1,270	550
4.....	45,000	5,200	8,360	3,020	3,540	2,150	2,270	1,130	1,050	925	702	490
5.....	24,000	7,020	6,210	2,820	4,780	1,910	2,150	1,020	950	750	680	490
6.....	11,800	4,250	3,400	2,210	4,780	1,740	1,790	1,460	1,020	612	680	550
7.....	3,760	2,950	3,080	2,630	3,820	2,580	2,690	1,210	2,290	635	590	550
8.....	3,340	2,760	3,480	2,330	3,340	4,640	2,950	1,180	2,880	800	715	490
9.....	3,140	2,690	3,340	2,270	2,820	5,090	2,450	1,570	1,610	775	750	658
10.....	2,690	2,270	2,950	2,210	2,630	4,180	2,030	1,850	1,460	725	680	778
11.....	2,210	2,150	2,630	2,210	2,690	3,480	1,910	1,320	1,240	658	530	490
12.....	2,090	2,630	2,450	1,910	2,510	3,080	1,850	1,210	1,000	635	612	550
13.....	1,910	2,950	2,570	1,970	2,390	2,820	1,570	2,090	975	590	725	570
14.....	1,790	3,140	2,390	2,650	2,390	2,330	1,620	1,850	1,160	530	635	635
15.....	2,210	3,210	2,210	4,370	2,630	2,210	1,970	1,850	1,000	869	510	550
16.....	1,910	3,760	2,210	5,490	2,330	2,030	1,740	1,910	875	1,960	550	1,340
17.....	1,850	3,760	2,450	4,170	2,210	1,970	1,620	1,620	1,360	2,150	850	1,570
18.....	1,570	4,800	3,200	3,400	2,390	2,330	1,570	1,570	1,180	1,570	590	925
19.....	1,570	6,980	4,480	3,340	2,150	2,690	1,740	1,740	1,180	1,160	1,100	612
20.....	1,680	7,900	3,960	2,690	2,090	2,820	1,620	1,850	1,620	975	750	814
21.....	1,240	4,520	3,140	2,690	2,090	2,450	1,620	1,520	1,180	825	650	1,520
22.....	5,120	3,310	2,510	2,880	2,030	2,150	1,910	1,270	1,020	925	750	900
23.....	7,950	3,340	3,940	3,540	1,740	2,030	1,620	1,400	850	825	750	1,100
24.....	11,700	3,280	5,090	2,950	1,850	2,330	1,460	1,320	1,160	680	750	825
25.....	8,870	2,950	3,960	2,630	2,270	2,510	1,380	1,240	1,400	635	500	702
26.....	3,220	4,750	3,210	2,270	2,030	2,330	1,520	1,130	1,790	702	750	702
27.....	2,210	4,940	3,020	2,270	1,970	2,090	1,270	1,350	1,620	702	600	775
28.....	2,090	4,040	2,760	2,820	1,970	1,850	1,100	1,270	1,130	590	500	875
29.....	2,390	3,080	2,690	4,260	-----	1,910	1,570	950	1,000	1,090	650	590
30.....	2,270	2,820	2,760	5,580	-----	1,620	1,460	1,020	680	1,380	550	550
31.....	2,090	-----	2,690	4,560	-----	1,570	-----	1,050	-----	2,300	550	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	-----	1,240	10,200	6.50	7.49
November.....	7,900	1,910	3,720	2.37	2.64
December.....	8,360	2,210	3,440	2.19	2.52
January.....	5,580	1,910	3,020	1.92	2.21
February.....	4,780	1,740	2,760	1.76	1.83
March.....	5,090	1,570	2,460	1.57	1.81
April.....	2,950	1,100	1,800	1.15	1.28
May.....	2,090	950	1,420	.90	1.04
June.....	2,880	680	1,250	.796	.89
July.....	2,300	530	962	.613	.71
August.....	1,600	-----	726	.463	.53
September.....	1,570	-----	741	.472	.53
The year.....	-----	-----	2,720	1.73	23.48

LAKE MURRAY NEAR COLUMBIA, S. C.

LOCATION.—Staff gage on intake tower about 200 feet above dam, 10 miles upstream from mouth of Saluda River, and 11 miles northwest of Columbia, Richland County. Gage set to read elevation above mean sea level.

DRAINAGE AREA.—2,400 square miles.

RECORDS AVAILABLE.—August, 1929, to September, 1930.

EXTREMES.—Maximum elevation during period of record, 327.6 feet Sept. 30, 1930; minimum, 173.2 feet Aug. 31, 1929, when impounding of water was started.

REMARKS.—Record of lake elevation excellent. Collected by Lexington Water Power Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily elevations, in feet, 1929-30

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1929			1929			1930		
1.....		195.2	11.....		227.2	21.....		244.5
2.....		200.8	12.....		229.0	22.....		245.7
3.....		204.1	13.....		230.1	23.....		246.4
4.....		207.0	14.....		231.7	24.....		247.2
5.....		210.1	15.....		233.2	25.....		248.0
6.....		213.9	16.....		234.8	26.....		249.4
7.....		217.4	17.....		236.0	27.....		255.9
8.....		220.4	18.....		237.8	28.....		272.2
9.....		223.3	19.....		240.4	29.....		284.6
10.....		225.0	20.....		242.9	30.....		292.2
						31.....	181.1	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1929-30												
1.....	295.7	259.2	284.2	298.7	303.3	301.9	302.6	309.9	315.0	319.0	322.3	324.4
2.....	299.9	258.5	284.8	299.2	303.5	302.1	302.8	310.0	315.1	319.1	322.5	324.5
3.....	305.0	257.8	286.8	299.7	303.4	302.4	303.1	310.2	315.2	319.2	322.6	324.5
4.....	307.0	258.1	288.8	300.4	303.2	302.6	303.4	310.4	315.2	319.3	322.7	324.5
5.....	305.0	258.4	290.6	300.9	303.3	302.9	303.8	310.5	315.4	319.4	322.8	324.6
6.....	300.6	258.2	291.4	301.3	303.4	302.6	304.1	310.6	315.5	319.4	322.9	324.6
7.....	295.2	256.8	290.6	301.8	303.4	303.0	304.4	310.7	315.7	319.5	322.9	324.7
8.....	289.2	257.4	289.9	302.2	303.2	303.2	304.7	310.9	315.9	319.5	323.0	324.7
9.....	282.1	256.1	289.3	302.6	302.9	303.3	305.1	311.2	316.2	319.6	323.1	324.9
10.....	274.6	257.4	288.5	302.8	302.6	303.3	305.4	311.4	316.3	319.7	323.1	325.2
11.....	268.9	258.4	287.7	303.1	303.0	303.2	305.7	311.6	316.4	319.7	323.2	325.5
12.....	265.7	259.5	286.8	303.5	303.4	302.9	306.0	311.8	316.5	319.7	323.2	325.6
13.....	263.4	260.7	285.8	303.8	303.8	302.6	306.2	312.0	316.6	319.8	323.2	325.7
14.....	260.1	262.0	285.0	304.2	304.2	302.8	306.5	312.3	316.7	319.8	323.2	325.7
15.....	255.8	263.2	284.4	304.6	304.6	303.2	306.6	312.5	316.8	319.9	323.3	325.7
16.....	254.2	264.5	284.8	305.2	305.0	303.5	306.9	312.7	317.0	320.0	323.5	325.8
17.....	254.6	266.0	285.3	305.3	305.3	303.8	307.1	312.9	317.1	320.3	323.6	325.9
18.....	253.4	267.4	286.4	305.2	305.7	304.1	307.3	313.1	317.3	320.5	323.7	326.0
19.....	253.1	269.2	288.5	305.1	305.6	304.6	307.6	313.2	317.4	320.7	323.9	326.1
20.....	253.8	271.5	289.9	304.8	304.5	304.3	307.9	313.5	317.6	320.8	323.9	326.2
21.....	254.9	273.6	290.8	304.5	304.1	304.0	308.1	313.6	317.7	320.9	324.0	326.8
22.....	256.3	274.9	291.4	304.3	303.7	303.6	308.3	313.8	317.8	321.0	324.0	327.1
23.....	256.8	275.9	292.4	304.1	303.2	303.2	308.5	314.0	318.0	321.0	324.1	327.1
24.....	256.8	277.0	293.7	304.0	302.7	303.0	308.7	314.1	318.0	321.1	324.1	327.2
25.....	257.6	278.0	295.0	303.7	303.3	303.3	308.9	314.3	318.2	321.2	324.1	327.3
26.....	257.2	279.0	295.6	303.4	301.9	303.7	309.1	314.4	318.4	321.3	324.2	327.4
27.....	256.0	280.4	296.2	303.1	302.2	304.1	309.2	314.5	318.6	321.3	324.2	327.5
28.....	255.9	281.9	296.8	302.7	302.4	304.3	309.4	314.6	318.7	321.4	324.3	327.5
29.....	256.9	282.8	297.3	302.8		304.0	309.5	314.8	318.8	321.5	324.3	327.5
30.....	258.0	283.6	297.8	303.6		303.6	309.7	314.8	318.9	321.7	324.4	327.6
31.....	258.8		298.3	303.4		303.0		314.9		322.0	324.4	

SALUDA RIVER NEAR COLUMBIA, S. C.

LOCATION.—Water-stage recorder one-fourth mile upstream from site of old Saluda Mill and 2 miles upstream from confluence of Saluda and Broad Rivers at Columbia, Richland County.

DRAINAGE AREA.—2,450 square miles.

RECORDS AVAILABLE.—August, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 67,000 second-feet Oct. 2 (gage height, 15.22 feet); minimum, 11 second-feet July 13.

1925-1930: Maximum discharge, that of Oct. 2, 1929; minimum, that of July 13, 1930.

REMARKS.—Records good except those for Oct. 17-26, July 24 to Aug. 5, which were estimated. Diurnal fluctuation caused by operation of gates and power plant at Lake Murray Dam. Gates at dam closed during part of year to impound water.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.	28,000	4,890	116	141	6,580	5,000	3,520	52	28	57	60	16
2.	62,300	5,260	222	118	6,580	244	110	52	21	58	55	14
3.	61,800	5,530	358	158	6,580	145	103	51	27	66	55	15
4.	60,800	6,410	216	161	6,580	141	99	30	43	38	55	29
5.	60,100	9,590	172	116	6,580	1,940	99	24	46	27	50	199
6.	57,800	9,590	3,850	89	6,580	3,030	105	38	52	38	50	50
7.	43,800	7,500	9,230	120	6,580	2,560	73	46	73	27	41	52
8.	41,000	8,560	9,230	123	6,580	6,260	101	52	38	34	49	82
9.	39,000	8,640	8,880	106	6,260	6,260	92	216	26	41	44	73
10.	36,000	2,040	8,880	136	3,890	6,260	84	110	33	40	36	79
11.	20,300	127	8,540	120	167	6,260	76	82	42	22	26	38
12.	9,950	143	8,200	112	143	6,260	72	42	43	13	32	28
13.	9,580	145	7,870	92	131	4,530	52	37	32	12	37	42
14.	13,100	127	5,810	1,990	138	129	42	112	27	20	34	38
15.	15,000	114	3,680	6,580	161	81	65	87	32	43	36	26
16.	3,250	120	1,940	6,580	143	73	72	68	98	76	44	28
17.	3,920	116	148	6,580	108	72	66	58	147	78	40	44
18.	6,900	110	432	6,580	129	96	72	36	87	152	46	40
19.	1,410	112	320	6,580	8,240	2,370	120	44	62	127	143	38
20.	1,150	127	229	6,580	8,030	6,260	195	60	54	60	62	143
21.	915	97	167	6,580	6,260	6,580	114	52	44	34	46	213
22.	1,030	106	184	6,580	6,260	6,260	89	49	30	42	45	89
23.	8,540	145	320	6,580	6,260	6,260	86	50	32	42	38	64
24.	9,590	153	220	6,580	6,260	3,840	79	56	46	40	35	92
25.	9,230	96	184	6,580	6,260	131	68	49	55	34	25	63
26.	8,540	170	161	6,260	4,100	127	57	47	55	28	24	56
27.	7,660	234	145	6,260	251	99	38	57	84	26	28	65
28.	2,300	161	172	6,260	3,170	2,306	34	51	65	90	25	38
29.	1,630	145	126	6,900	-----	6,260	49	48	55	65	28	26
30.	1,340	133	114	9,460	-----	6,260	54	48	30	60	30	223
31.	1,280	-----	133	11,700	-----	6,260	-----	45	-----	55	22	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	62,300	-----	20,200	8.24	9.50
November	9,590	96	2,360	.963	1.07
December	9,230	114	2,590	1.06	1.22
January	11,700	89	3,960	1.62	1.87
February	8,240	108	4,250	1.73	1.80
March	6,580	72	3,300	1.35	1.56
April	3,520	34	196	.086	.09
May	216	24	60.3	.025	.08
June	147	21	50.2	.020	.02
July	152	12	49.8	.020	.02
August	143	22	43.3	.018	.02
September	223	14	66.4	.027	.08
The year	62,300	12	3,110	1.27	17.23

NOTE.—Monthly discharge in second-feet per square mile and run-off in inches do not represent natural flow from basin because of artificial storage in Lake Murray.

REEDY RIVER NEAR PRINCETON, S. C.

LOCATION.—Chain gage at highway bridge 200 feet downstream from National Utilities Co.'s hydroelectric plant at Tumbling Shoals and 5 miles east of Princeton, Laurens County.

DRAINAGE AREA.—215 square miles.

RECORDS AVAILABLE.—October, 1929, to September, 1930.

EXTREMES.—Maximum discharge during period, 4,840 second-feet Oct. 22 (gage height, 13.49 feet); minimum, about 2 second-feet July 19 (gage height, 0.07 foot) caused by shutdown of power plant.

Maximum stage known, 34.6 feet August, 1908 (discharge, about 28,000 second-feet).

REMARKS.—Records fair. Discharge estimated Nov. 11–15, Feb. 11–14. Diurnal fluctuation caused by operation of power plant above station.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		310	368	310	472	274	240	178	72	82	249	83
2		310	814	310	388	208	240	171	10'	175	79	75
3		329	1,080	368	408	208	292	130	14'	118	9	76
4		1,050	540	368	517	310	257	92	19'	42	126	268
5		589	429	348	805	257	257	52	19'	36	249	287
6		450	388	329	540	274	292	157	45'	9	249	89
7		408	388	329	368	640	472	64	45'	89	240	5
8		388	368	310	388	1,030	310	257	27'	158	211	87
9		388	368	292	368	329	257	164	15'	249	287	184
10		368	348	274	348	368	240	130	7'	150	4	93
11		320	329	257	400	368	224	171	14'	249	96	97
12	310	500	310	257	400	310	224	329	13'	230	240	104
13	186	500	310	257	360	292	198	240	22'	4	220	6
14	193	480	292	292	400	292	193	143	6'	211	220	6
15	240	500	274	348	348	292	224	274	5'	55	59	84
16	224	614	257	614	292	224	224	193	6'	65	87	94
17	257	1,110	292	494	257	257	208	208	15'	268	10	268
18	257	2,340	292	368	310	292	224	164	46'	230	230	104
19	257	1,210	292	240	292	329	208	224	33'	44	327	287
20	178	867	292	348	292	310	178	208	211	211	208	287
21	1,540	450	292	348	274	292	208	208	111	79	307	7
22	4,530	429	310	388	274	257	224	171	10'	27	307	86
23	1,310	388	348	310	240	292	208	157	17'	111	327	80
24	540	368	368	310	257	240	224	150	18'	118	11	87
25	450	368	368	224	292	274	224	77	35'	307	287	287
26	429	589	368	274	257	257	224	37	574	268	307	82
27	292	589	368	257	274	257	110	157	36'	16	80	70
28	292	429	368	450	274	240	123	60	249	249	80	3
29	310	368	368	450		257	186	87	80	249	74	5
30	292	329	348	429		193	208	224	14'	249	80	86
31	310		329	429		193		33		249	7	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October 12-31	4,580	178	620	2.88	2.14
November	2,340		578	2.69	2.00
December	1,080	257	383	1.78	2.05
January	614	224	341	1.59	1.83
February	805	240	361	1.68	1.75
March	1,030	193	310	1.44	1.66
April	472	110	220	1.07	1.19
May	329	33	158	.735	.85
June	574	56	210	.977	1.09
July	307	4	145	.683	.79
August	327	4	172	.800	.92
September	287	3	113	.526	.59

SAVANNAH RIVER BASIN

SAVANNAH RIVER NEAR CALHOUN FALLS, S. C.

LOCATION.—Water-stage recorder installed Mar. 13, 1930, 150 feet above highway bridge 1 mile below Seaboard Air Line Railroad bridge and 3 miles southwest of Calhoun Falls, Abbeville County. Prior to Mar. 13, 1930, staff gage at Seaboard Air Line Railroad bridge was used.

DRAINAGE AREA.—2,876 square miles.

RECORDS AVAILABLE.—August, 1896, to December, 1903; March to September, 1930.

EXTREMES.—Maximum discharge during year, 9,840 second-feet Mar. 15 (gage height, 3.33 feet); minimum, 1,100 second-feet Sept. 1 (gage height, 0.74 foot). 1896–1903, 1930: Maximum discharge, about 75,200 second-feet Feb. 14, 1900 (gage height, 19.4 feet, old datum); minimum, that of Sept. 1, 1930.

REMARKS.—Slight regulation caused by operation of power plants upstream. Records collected by Allied Engineers (Inc.), for Savannah River Electric Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily and monthly discharge, in second-feet, 1930

Day	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-----	4,450	4,430	3,410	1,880	2,660	1,200
2	-----	4,610	3,670	2,600	2,470	3,830	1,220
3	-----	5,450	3,790	3,210	2,390	2,470	1,470
4	-----	5,450	4,440	3,700	2,190	2,030	2,230
5	-----	5,000	3,340	3,700	2,130	1,840	2,090
6	-----	6,900	3,630	5,260	2,000	2,020	1,870
7	-----	7,510	4,050	7,780	1,960	2,050	1,990
8	-----	6,500	4,010	4,660	2,260	2,700	1,430
9	-----	5,150	5,110	2,630	2,390	2,480	2,100
10	-----	4,850	6,070	2,670	2,840	2,260	2,380
11	-----	4,500	4,010	4,290	2,440	1,690	2,360
12	-----	5,100	6,090	3,240	3,430	1,620	2,980
13	6,560	4,170	6,770	3,720	2,720	1,860	3,370
14	6,200	3,360	6,430	4,390	1,750	1,760	2,610
15	5,420	4,760	7,820	3,180	3,590	1,900	1,840
16	4,760	4,240	6,920	2,560	4,590	2,010	2,090
17	4,310	4,570	5,880	3,080	3,940	1,980	2,750
18	6,220	5,600	4,740	3,620	3,870	1,540	2,500
19	7,570	6,050	3,920	4,060	3,030	1,540	2,840
20	6,740	4,780	5,320	3,140	2,670	2,030	2,610
21	5,410	3,470	5,160	3,190	2,250	2,030	2,480
22	5,550	4,970	4,320	2,880	2,360	2,200	1,880
23	4,880	4,010	4,470	2,720	2,460	2,120	2,270
24	4,220	4,000	5,780	3,310	2,200	2,000	2,940
25	5,380	4,350	4,320	3,850	2,290	1,440	2,660
26	5,490	4,310	3,010	2,830	2,660	1,460	2,470
27	5,060	3,970	3,480	3,110	2,690	1,850	2,460
28	5,080	2,900	4,100	2,780	2,280	2,090	2,440
29	5,640	4,110	3,620	2,270	2,380	2,000	1,580
30	4,200	4,740	3,530	1,940	2,420	1,990	1,590
31	3,640	-----	3,980	-----	3,840	1,790	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
March, 13-31	7,570	3,640	5,390	1.87	1.32
April	7,510	2,900	4,790	1.67	1.86
May	7,820	3,010	4,710	1.64	1.89
June	7,780	1,940	3,460	1.20	1.34
July	4,660	1,750	2,660	.925	1.07
August	3,830	1,440	2,040	.709	.82
September	3,370	1,200	2,220	.772	.86

SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.—Water-stage recorder at Center Street bridge in Augusta, Richmond County. Zero of gage 103.83 feet above mean sea level.

DRAINAGE AREA.—7,304 square miles.

RECORDS AVAILABLE.—January, 1884, to December, 1891; January, 1899, to December, 1906; June, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, about 350,000 second-feet Oct. 3 (gage height, 45.1 feet); minimum, 1,510 second-feet Sept. 8 (gage height, 5.9 feet).

1884-1891, 1899-1906, 1927-1930: Maximum discharge, that of Oct. 3, 1929; maximum gage height, 46.3 feet Sept. 17, 1929; minimum discharge, 890 second-feet Aug. 29, Sept. 26, 29, 30, Oct. 3, 23, 30, 1927 (gage height, 4.40 feet).

REMARKS.—Considerable regulation caused by operation of power plants upstream. Records collected by Allied Engineers (Inc.), for Savannah River Electric Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	71,300	10,500	12,000	12,000	20,800	9,700	9,760	7,560	3,730	3,250	9,170	2,560
2-----	306,000	11,200	12,900	11,600	18,000	10,200	7,430	7,890	5,560	3,460	8,440	2,200
3-----	315,000	10,000	26,200	13,200	15,800	10,600	8,600	6,940	4,860	3,260	6,540	2,180
4-----	172,000	28,100	30,000	15,700	11,800	8,880	8,910	4,640	4,630	3,780	4,360	1,970
5-----	61,000	35,200	21,700	13,600	15,200	8,000	8,030	6,490	5,610	3,380	4,070	2,690
6-----	28,200	23,900	16,600	12,400	20,400	8,080	9,080	5,790	7,330	3,360	3,530	4,540
7-----	21,300	16,400	14,000	11,700	17,400	8,580	13,800	5,420	9,370	3,130	3,390	3,210
8-----	17,700	14,000	14,800	11,200	13,800	24,100	15,100	6,270	5,870	3,280	3,550	2,210
9-----	16,800	18,400	16,400	10,500	12,200	30,100	11,000	7,670	9,860	3,230	3,670	3,460
10-----	15,000	16,400	13,200	10,400	12,600	21,500	9,510	9,200	6,020	3,830	4,490	6,170
11-----	14,400	15,000	12,400	10,100	11,200	13,100	9,230	7,850	5,000	3,780	3,030	6,010
12-----	13,300	12,500	12,300	6,940	10,600	11,200	7,560	5,360	4,860	3,740	3,620	4,640
13-----	8,980	13,000	11,900	9,430	10,900	12,100	3,940	7,900	6,630	3,660	3,280	4,690
14-----	12,400	18,500	11,000	10,600	11,000	11,300	9,530	9,170	6,020	4,680	3,070	3,220
15-----	11,000	17,300	10,600	11,200	10,700	8,470	11,000	9,860	4,860	4,470	2,820	4,090
16-----	11,000	16,000	11,600	19,200	10,400	8,050	9,860	9,530	4,310	8,220	3,020	3,010
17-----	11,300	18,200	11,200	19,500	12,700	9,920	9,530	11,200	5,440	10,100	2,700	5,440
18-----	11,200	21,900	10,900	15,500	11,000	9,290	8,550	6,780	7,560	10,500	2,870	6,570
19-----	11,200	22,900	18,000	12,500	8,700	13,500	8,550	8,160	6,320	9,780	3,080	5,160
20-----	10,800	20,300	18,800	13,300	9,030	18,700	9,530	7,800	6,940	5,520	2,540	6,360
21-----	11,200	15,000	15,000	11,200	9,030	15,300	8,710	7,660	5,720	3,660	2,300	9,040
22-----	28,000	13,200	12,300	10,800	8,750	12,000	7,890	7,460	3,770	4,150	2,810	9,960
23-----	29,000	13,500	15,300	12,700	8,000	11,200	8,550	8,340	3,770	3,770	3,660	5,910
24-----	21,500	13,700	19,100	13,700	9,160	12,500	7,890	7,560	4,310	4,040	3,360	3,930
25-----	14,300	14,300	18,900	11,700	9,250	9,950	9,530	6,630	4,860	4,040	3,030	4,850
26-----	12,600	12,900	15,700	9,980	9,200	9,580	10,200	8,550	5,440	4,860	2,910	4,950
27-----	10,100	18,800	13,900	11,300	9,130	8,750	6,360	6,170	6,170	3,940	2,260	6,760
28-----	10,100	19,700	12,900	10,100	9,400	8,680	5,320	4,860	6,020	4,870	2,480	3,080
29-----	9,400	16,200	12,900	16,500	-----	8,520	5,860	6,020	3,960	5,560	2,780	2,810
30-----	9,870	12,800	13,500	30,100	-----	9,420	5,870	5,440	2,860	5,560	3,480	3,370
31-----	10,600	-----	12,500	26,800	-----	10,900	-----	6,020	-----	6,130	2,670	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	315,000	8,980	42,200	5.78	6.66
November-----	35,200	10,000	17,000	2.33	2.60
December-----	30,000	10,600	15,100	2.07	2.39
January-----	30,100	6,940	13,400	1.83	2.11
February-----	20,800	8,000	12,000	1.64	1.71
March-----	30,100	8,000	12,000	1.64	1.89
April-----	15,100	5,320	8,910	1.22	1.38
May-----	11,200	4,640	7,800	1.00	1.15
June-----	9,860	2,860	5,590	.765	.85
July-----	10,500	3,130	4,810	.659	.76
August-----	9,170	2,260	3,640	.498	.57
September-----	9,960	1,970	4,510	.617	.69
The year-----	815,000	1,970	12,200	1.67	22.74

BROAD RIVER NEAR BELL, GA.

LOCATION.—Staff gage at highway bridge on Elberton-Washington Road half a mile below mouth of Long Creek and 1 mile southeast of Bell, Elbert County. Zero of gage 356.30 feet above mean sea level.

DRAINAGE AREA.—1,440 square miles.

RECORDS AVAILABLE.—November, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, about 47,200 second-feet Oct. 2 (gage height, 34.8 feet); minimum, 378 second-feet Sept. 6 (gage height, 3.12 feet).

1926-1930: Maximum discharge, that of Oct. 2, 1929; minimum discharge, 325 second-feet Oct. 7, 8, 1927; minimum gage height, that of Sept. 6, 1930.

REMARKS.—Records collected by Allied Engineers (Inc.), for Savannah River Electric Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project. Results of some discharge measurements furnished by United States Army Engineers.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	18,800	1,230	1,180	1,580	3,330	1,510	1,380	1,120	930	868	1,910	468
2.....	45,200	1,290	2,960	1,520	2,520	1,510	1,380	1,060	930	780	1,250	442
3.....	28,900	1,580	6,190	2,070	2,320	1,440	1,440	1,060	868	632	838	416
4.....	13,700	5,360	3,250	2,200	2,260	1,440	2,110	1,060	868	576	780	392
5.....	4,480	4,480	2,390	1,760	2,800	1,380	2,470	1,120	868	576	660	392
6.....	3,550	2,450	2,140	1,580	2,390	1,380	3,310	1,120	1,180	540	660	495
7.....	2,590	2,070	1,950	1,580	2,200	4,040	3,640	1,120	1,980	549	809	868
8.....	2,390	3,180	2,200	1,520	2,010	7,410	2,040	1,120	1,310	576	838	660
9.....	1,950	2,650	2,390	1,520	1,760	5,030	1,770	1,310	1,060	660	690	995
10.....	1,820	2,450	2,450	1,460	1,820	2,910	1,710	2,040	930	600	604	1,310
11.....	1,760	2,450	2,260	1,460	1,760	2,260	1,640	1,380	930	576	576	1,250
12.....	1,640	2,650	2,010	1,400	1,700	1,980	1,640	1,250	838	522	549	868
13.....	1,580	3,400	1,760	1,400	1,640	1,770	1,570	1,510	809	495	522	780
14.....	1,520	2,590	1,640	1,700	1,580	1,770	1,510	1,980	809	522	495	720
15.....	1,460	2,520	1,580	2,320	1,640	1,710	1,510	1,770	930	2,400	495	809
16.....	1,400	2,720	1,520	3,020	1,840	1,640	1,440	1,380	868	3,230	468	1,380
17.....	1,350	3,250	1,460	2,200	1,770	1,640	1,440	1,840	930	2,910	468	930
18.....	1,350	3,180	1,400	1,950	1,710	1,640	1,380	1,980	1,180	2,180	468	1,250
19.....	1,350	2,390	1,400	1,880	1,640	2,040	1,710	2,040	930	1,440	468	1,570
20.....	1,290	1,950	1,400	1,760	1,510	2,540	1,570	1,770	809	930	522	2,040
21.....	1,460	1,640	1,350	1,700	1,510	1,980	1,510	1,510	780	838	495	2,470
22.....	1,820	1,580	1,350	2,390	1,440	1,910	1,440	1,570	930	750	660	1,570
23.....	1,460	1,520	1,520	2,590	1,440	1,840	1,380	1,510	809	660	868	1,440
24.....	1,520	1,580	2,320	2,260	1,510	1,770	1,380	1,640	720	632	809	1,440
25.....	1,400	1,640	2,650	1,880	1,570	1,710	1,310	1,380	750	690	690	1,310
26.....	1,350	2,070	1,760	1,640	1,510	1,640	1,250	1,120	838	632	576	1,250
27.....	1,290	3,470	1,950	1,580	1,510	1,570	1,180	1,060	930	1,310	549	1,250
28.....	1,290	2,650	1,880	1,820	1,510	1,510	1,120	1,060	809	1,440	522	1,060
29.....	1,290	1,760	1,820	2,650	-----	1,510	1,120	995	720	1,440	495	995
30.....	1,230	1,230	1,700	3,330	-----	1,440	1,120	930	930	1,440	495	930
31.....	1,230	-----	1,640	3,840	-----	1,380	-----	930	-----	2,470	468	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	45,200	1,230	4,950	3.44	3.97
November.....	5,360	1,230	2,430	1.63	1.89
December.....	6,190	1,180	2,050	1.43	1.65
January.....	3,840	1,400	1,990	1.37	1.59
February.....	3,330	1,440	1,860	1.29	1.34
March.....	7,410	1,380	2,110	1.47	1.70
April.....	3,640	1,120	1,650	1.15	1.28
May.....	2,040	930	1,380	.930	1.11
June.....	1,980	720	939	.633	.73
July.....	3,230	495	1,090	.758	.87
August.....	1,910	468	668	.455	.54
September.....	2,470	392	1,060	.737	.82
The year.....	45,200	392	1,850	1.23	17.49

ST. MARYS RIVER BASIN

NORTH PRONG OF ST. MARYS RIVER AT MONIAC, GA.

LOCATION.—Staff gage at highway bridge between Baxter, Fla., and Moniac, Charlton County, Ga., 150 feet upstream from Georgia Southern & Florida Railway trestle. Zero of gage 92.51 feet above mean sea level.

DRAINAGE AREA.—240 square miles.

RECORDS AVAILABLE.—January, 1921, to December, 1923; January, 1927, to June, 1930 (discontinued).

EXTREMES.—Maximum discharge during year, 2,640 second-feet Oct. 2 (gage height, 11.51 feet); minimum, 5.3 second-feet May 29 (gage height, 1.46 feet).

1921-1923, 1927-1930: Maximum discharge, about 6,060 second-feet probably on Sept. 19, 1928 (gage height, 16.7 feet); no flow June 16-24, 28, 1921, May 19 to June 9, 1927.

REMARKS.—Records fair. Small pumping diversion just above control where entire flow is diverted during extremely low stages.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1.....	2,490	90	40	230	515	140	910	111	9.3
2.....	2,640	90	43	210	490	125	700	97	6.3
3.....	2,390	86	56	200	440	111	605	80	7.3
4.....	1,990	80	125	490	390	97	605	71	19
5.....	1,560	77	111	440	390	80	605	65	33
6.....	1,180	71	104	390	370	68	805	62	140
7.....	945	68	97	350	330	180	910	56	48
8.....	770	56	111	310	295	665	770	50	59
9.....	605	56	111	280	280	605	605	48	125
10.....	515	56	97	250	250	545	490	43	111
11.....	440	56	97	230	230	490	440	36	80
12.....	390	53	90	210	210	440	390	33	68
13.....	350	53	80	200	190	390	350	29	65
14.....	330	50	77	190	172	370	310	25	104
15.....	310	50	77	230	190	440	280	25	132
16.....	280	48	74	515	440	515	250	23	250
17.....	230	48	74	290	440	490	230	19	295
18.....	220	48	97	545	370	465	210	18	250
19.....	200	48	104	735	350	465	265	14	265
20.....	190	48	104	700	310	605	330	13	250
21.....	172	48	97	635	280	575	350	12	210
22.....	172	46	180	605	250	545	350	10	250
23.....	164	46	490	735	240	1,060	295	8.8	290
24.....	155	46	545	665	230	1,790	280	8.8	210
25.....	140	43	515	575	210	1,790	240	8.6	180
26.....	125	43	465	490	190	1,610	210	8.6	156
27.....	118	43	440	440	172	1,260	190	5.8	125
28.....	104	43	390	390	156	1,100	190	5.8	104
29.....	90	43	350	415	-----	1,480	220	5.3	104
30.....	80	43	310	545	-----	1,380	125	8.6	97
31.....	80	-----	265	545	-----	1,180	-----	9.3	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	2,640	80	627	2.61	3.01
November.....	90	43	55.9	.233	.26
December.....	545	40	188	.783	.90
January.....	735	190	427	1.78	2.05
February.....	515	156	299	1.25	1.30
March.....	1,790	68	679	2.83	3.26
April.....	910	125	417	1.74	1.94
May.....	111	5.3	32.6	.136	.16
June.....	295	6.3	133	.554	.62

ST. MARYS RIVER NEAR MACCLENNY, FLA.

LOCATION.—Staff gage at Stokes Bridge 1 mile below junction of North and South Prongs and 6 miles northeast of Macclenny, Baker County. Zero of gage 40.00 feet above mean sea level.

DRAINAGE AREA.—720 square miles.

RECORDS AVAILABLE.—October, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 11,400 second-feet Oct. 2 (gage height, 18.18 feet); minimum, 73 second-feet May 29 (gage height, 1.84 feet).

1926-1930: Maximum discharge, about 16,500 second-feet Sept. 20, 1928 (gage height, 21.9 feet); minimum, 14 second-feet June 4, 5, 1927 (gage height, 0.04 foot).

REMARKS.—Records good. Small diversion by pumping at Moniac, Ga., during extremely low stages.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,600	270	135	635	2,580	595	4,990	455	89	1,780	225	93
2	11,400	270	125	555	2,520	555	4,260	375	85	1,510	210	93
3	10,100	240	270	535	2,000	515	3,620	345	73	1,270	185	93
4	8,570	240	255	780	1,780	475	2,910	315	77	1,000	330	85
5	7,590	225	255	1,100	1,600	435	2,520	285	85	930	330	89
6	6,360	210	225	1,060	1,480	375	2,320	255	117	680	270	93
7	5,380	195	225	955	1,420	360	2,420	225	125	630	240	81
8	4,380	185	195	830	1,300	2,240	2,470	210	185	490	210	85
9	3,620	175	210	730	1,160	4,500	2,320	185	240	450	185	125
10	2,910	175	225	665	1,030	4,260	2,000	175	680	430	165	117
11	2,370	165	210	595	930	3,820	1,710	165	615	515	155	97
12	1,960	165	210	515	830	3,150	1,390	155	395	515	145	89
13	1,680	155	195	495	755	2,520	1,240	145	300	1,000	135	85
14	1,450	145	175	475	655	2,280	1,100	125	360	1,030	117	85
15	1,270	145	175	455	635	2,320	955	125	435	880	117	77
16	1,100	135	165	755	1,000	3,240	880	125	1,060	800	117	73
17	955	135	165	1,420	1,850	3,820	805	117	1,740	800	109	77
18	855	135	185	1,540	2,000	3,720	705	109	1,780	750	117	101
19	755	125	300	1,780	1,780	3,420	730	105	1,880	730	195	155
20	655	125	315	2,040	1,570	3,420	1,160	101	3,720	1,100	315	165
21	615	117	330	2,160	1,390	3,420	1,330	93	3,930	1,080	635	255
22	555	117	240	2,000	1,240	3,420	1,270	89	3,240	930	535	225
23	515	117	705	2,040	1,080	4,260	1,100	85	2,840	680	285	185
24	475	165	1,270	2,200	980	9,250	955	85	2,470	650	225	155
25	415	175	1,300	2,200	880	9,760	805	85	2,080	470	195	155
26	375	165	1,130	2,000	805	8,740	705	81	1,710	470	165	155
27	360	155	1,030	1,820	705	7,430	635	81	1,360	430	165	145
28	345	155	955	1,600	635	6,360	575	77	1,160	390	135	125
29	315	155	830	1,570	-----	5,930	535	73	1,160	330	117	117
30	300	155	555	1,580	-----	6,070	455	77	1,740	300	117	1,390
31	285	-----	535	2,580	-----	5,790	-----	77	-----	250	105	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	11,400	285	2,860	3.97	4.58
November	270	117	170	2.24	.26
December	1,300	125	422	5.34	.68
January	2,580	455	1,290	1.77	2.06
February	2,580	635	1,310	1.83	1.88
March	9,760	360	3,760	5.22	6.02
April	4,960	455	1,630	2.27	2.52
May	455	73	161	.224	.26
June	3,930	73	1,190	1.65	1.84
July	1,780	255	753	1.07	1.21
August	635	105	211	.233	.34
September	1,390	73	162	.225	.25
The year	11,400	73	1,160	1.67	21.90

ST. JOHNS RIVER BASIN

OKLAWAHA RIVER NEAR OCALA, FLA.

LOCATION.—At Sharpes Ferry bridge 2 miles above Silver River, 12 miles below Moss Bluff Dam and power plant, and 9 miles east of Ocala.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 1,110 second-feet Mar. 29 (gage height, 4.12 feet); minimum, 360 second-feet May 29 (gage height, 2.05 feet).

REMARKS.—Records fair. Discharge interpolated May 18. Operation of power plant at Moss Bluff Dam has some regulatory effect at this station.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....		490	1,000	590	445	705	525	420
2.....		490	1,000	555	400	705	525	445
3.....		470	955	555	420	705	525	420
4.....		470	955	555	445	705	525	445
5.....		470	910	525	525	705	525	445
6.....		470	910	525	525	705	525	445
7.....		470	865	525	525	705	555	445
8.....		510	865	525	590	665	555	525
9.....		510	825	495	590	665	525	525
10.....		510	825	495	525	665	525	525
11.....		490	785	470	525	665	525	525
12.....	555	470	785	470	495	665	525	495
13.....	555	470	785	470	495	665	555	495
14.....	555	470	785	470	525	665	555	525
15.....	530	606	745	470	555	625	525	525
16.....	530	630	745	445	590	625	525	525
17.....	530	630	705	470	590	625	525	525
18.....	530	630	705	452	590	625	525	555
19.....	530	630	745	445	705	625	525	590
20.....	510	685	745	420	785	625	525	590
21.....	510	685	745	420	785	625	525	590
22.....	510	685	705	400	785	590	495	590
23.....	510	825	705	400	825	590	495	555
24.....	510	1,000	665	400	825	590	495	555
25.....	510	910	665	400	785	590	470	555
26.....	510	865	625	400	785	555	470	525
27.....	490	865	625	380	745	555	445	525
28.....	490	955	625	380	745	555	445	525
29.....		1,110	590	360	745	555	445	525
30.....		1,110	590	445	705	555	420	555
31.....		1,060		470		555	445	

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
February 12-28.....	555	490	521	June.....	825	400	619
March.....	1,110	470	667	July.....	705	555	634
April.....	1,000	590	773	August.....	555	420	569
May.....	590	360	464	September.....	590	420	516

OKLAWAHA RIVER NEAR CONNOR, FLA.

LOCATION.—At highway bridge on Ocala-Daytona highway one-fourth mile downstream from mouth of Silver River and 8 miles east of Ocala.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 2,280 second-feet Mar. 29 (gage height, 7.37 feet); minimum, 1,360 second-feet Mar. 6, 7 (gage height, 5.89 feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....		1,410	2,070	1,680	1,510	1,800	1,620	1,510
2.....		1,410	2,000	1,680	1,510	1,800	1,620	1,510
3.....		1,410	2,000	1,680	1,510	1,800	1,620	1,510
4.....		1,360	2,000	1,620	1,620	1,800	1,620	1,510
5.....		1,360	2,000	1,620	1,680	1,800	1,620	1,510
6.....		1,360	2,000	1,560	1,680	1,800	1,620	1,560
7.....		1,360	1,930	1,620	1,680	1,740	1,680	1,560
8.....		1,410	1,930	1,620	1,740	1,740	1,680	1,680
9.....		1,410	1,860	1,620	1,740	1,740	1,620	1,620
10.....		1,410	1,860	1,620	1,680	1,740	1,620	1,620
11.....		1,410	1,860	1,560	1,620	1,740	1,620	1,620
12.....		1,360	1,860	1,560	1,620	1,800	1,680	1,620
13.....	1,460	1,360	1,860	1,560	1,620	1,740	1,680	1,620
14.....	1,460	1,360	1,860	1,560	1,620	1,740	1,680	1,620
15.....	1,510	1,510	1,860	1,510	1,620	1,740	1,620	1,620
16.....		1,460	1,620	1,800	1,510	1,620	1,620	1,620
17.....		1,460	1,620	1,800	1,510	1,620	1,620	1,620
18.....		1,460	1,560	1,800	1,510	1,680	1,620	1,620
19.....		1,460	1,560	1,800	1,510	1,740	1,620	1,680
20.....		1,460	1,620	1,860	1,510	1,860	1,620	1,680
21.....		1,410	1,680	1,800	1,510	1,860	1,620	1,680
22.....		1,410	1,680	1,800	1,510	1,860	1,680	1,680
23.....		1,410	1,860	1,800	1,510	1,860	1,680	1,680
24.....		1,410	2,140	1,740	1,510	1,860	1,680	1,620
25.....		1,410	2,000	1,740	1,460	1,860	1,680	1,620
26.....		1,410	1,930	1,740	1,460	1,860	1,680	1,620
27.....		1,410	1,860	1,740	1,460	1,800	1,680	1,620
28.....		1,410	2,000	1,680	1,460	1,800	1,680	1,620
29.....			2,280	1,680	1,410	1,800	1,680	1,680
30.....			2,140	1,680	1,560	1,800	1,680	1,680
31.....			2,070		1,560		1,620	

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
February.....	1,510	1,410	1,440	June.....	1,860	1,510	1,710
March.....	2,280	1,360	1,630	July.....	1,800	1,620	1,730
April.....	2,070	1,680	1,850	August.....	1,680	1,510	1,610
May.....	1,680	1,410	1,550	September.....	1,680	1,510	1,610

OKLAWAHA RIVER AT EUREKA, FLA.

LOCATION.—At county highway bridge at Eureka, 3 miles downstream from mouth of Eaton Creek and 13 miles above Orange Creek.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 3,400 second-feet Mar. 31 (gage height, 8.02 feet); minimum, 1,340 second-feet May 28, 29; minimum stage, 5.84 feet Mar. 7.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....		1,580	3,150	1,720	1,480	2,460	1,640	1,420
2.....		1,520	2,910	1,720	1,480	2,360	1,640	1,420
3.....		1,520	2,680	1,720	1,480	2,460	1,640	1,420
4.....		1,520	2,460	1,720	1,560	2,360	1,640	1,480
5.....		1,520	2,460	1,720	1,560	2,260	1,640	1,480
6.....		1,520	2,360	1,720	1,640	2,260	1,640	1,480
7.....		1,470	2,360	1,640	1,800	2,160	1,560	1,480
8.....		1,580	2,260	1,640	1,890	2,070	1,640	1,640
9.....		1,580	2,260	1,560	1,890	2,070	1,640	1,720
10.....		1,580	2,160	1,560	1,890	1,980	1,640	1,720
11.....		1,580	2,160	1,560	1,890	1,890	1,560	1,720
12.....		1,580	2,070	1,560	1,800	1,890	1,640	1,720
13.....	1,630	1,580	2,070	1,560	1,720	1,890	1,800	1,640
14.....	1,630	1,580	2,070	1,480	1,720	1,890	1,890	1,640
15.....	1,740	1,680	2,070	1,480	1,720	1,890	1,800	1,640
16.....	1,800	1,800	2,070	1,480	1,720	1,890	1,720	1,640
17.....	1,800	1,870	1,980	1,480	1,720	1,800	1,720	1,640
18.....	1,800	1,940	1,980	1,420	1,800	1,800	1,720	1,720
19.....	1,740	1,940	2,070	1,420	1,890	1,800	1,720	1,720
20.....	1,680	1,940	2,070	1,420	2,070	1,800	1,640	1,720
21.....	1,680	1,940	1,980	1,420	2,260	1,800	1,640	1,800
22.....	1,630	2,010	2,070	1,420	2,360	1,800	1,560	1,800
23.....	1,630	2,090	2,070	1,420	2,360	1,720	1,560	1,720
24.....	1,630	2,460	1,980	1,480	2,360	1,720	1,560	1,720
25.....	1,580	3,150	1,890	1,480	2,260	1,720	1,560	1,640
26.....	1,580	3,150	1,890	1,420	2,160	1,720	1,480	1,640
27.....	1,580	2,910	1,890	1,420	2,160	1,720	1,480	1,640
28.....	1,580	2,680	1,800	1,340	2,160	1,720	1,420	1,560
29.....		2,910	1,800	1,340	2,360	1,720	1,420	1,560
30.....		3,400	1,800	1,420	2,460	1,640	1,420	1,640
31.....		3,400	-----	1,480	-----	1,640	1,420	-----

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
February 13-28.....	1,800	1,580	1,670	June.....	2,460	1,480	1,920
March.....	3,400	1,470	2,030	July.....	2,460	1,640	1,930
April.....	3,150	1,800	2,160	August.....	1,890	1,420	1,610
May.....	1,720	1,340	1,520	September.....	1,800	1,420	1,630

OKLAWAHA RIVER NEAR ORANGE SPRINGS, FLA.

LOCATION.—At old packing house one-fourth mile downstream from Jordans Ferry and mouth of Orange Creek and about 2½ miles east of Orange Springs, Marion County.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 3,860 second-feet Mar. 29 to Apr. 1 (gage height, 8.6 feet); minimum, 1,640 second-feet May 29 (gage height, 5.6 feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		2,000	3,860	2,250	1,840	3,250	2,320	1,840
2		2,000	3,660	2,180	1,840	3,250	2,390	1,840
3		2,000	3,480	2,180	1,900	3,170	2,320	1,840
4		1,960	3,320	2,110	2,180	3,170	2,320	1,900
5		1,960	3,160	2,110	2,110	3,100	2,250	1,840
6		1,920	3,000	2,040	2,250	3,020	2,250	1,900
7		1,960	2,920	2,040	2,320	2,020	2,320	2,040
8		2,000	2,860	2,040	2,460	2,950	2,250	2,390
9		2,000	2,780	1,970	2,460	2,810	2,250	2,460
10		2,000	2,720	1,970	2,390	2,740	2,180	2,530
11		2,000	2,720	1,900	2,390	2,670	2,180	2,460
12		2,000	2,660	1,900	2,320	2,740	2,250	2,460
13		2,000	2,600	1,900	2,320	2,810	2,250	2,390
14		2,000	2,600	1,840	2,250	2,740	2,250	2,320
15	2,160	2,120	2,530	1,840	2,390	2,670	2,320	2,320
16	2,260	2,210	2,530	1,780	2,460	2,670	2,390	2,320
17	2,310	2,260	2,460	1,780	2,390	2,600	2,320	2,320
18	2,310	2,360	2,460	1,780	2,600	2,600	2,320	2,320
19	2,310	2,420	2,460	1,710	2,880	2,600	2,320	2,320
20	2,260	2,470	2,530	1,710	3,100	2,600	2,320	2,320
21	2,210	2,470	2,530	1,710	3,100	2,600	2,250	2,390
22	2,160	2,470	2,600	1,710	3,170	2,600	2,180	2,460
23	2,120	2,660	2,600	1,780	3,330	2,530	2,110	2,390
24	2,120	3,000	2,530	1,780	3,250	2,460	2,110	2,390
25	2,080	3,240	2,460	1,780	3,170	2,460	2,040	2,320
26	2,080	3,480	2,460	1,780	3,020	2,460	1,970	2,250
27	2,040	3,480	2,390	1,710	2,950	2,390	1,970	2,180
28	2,000	3,480	2,320	1,640	2,880	2,390	1,900	2,110
29		3,860	2,320	1,640	2,880	2,390	1,900	2,110
30		3,860	2,250	1,780	3,100	2,320	1,900	2,180
31		3,860		1,900		2,320	1,840	

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
February	2,310	2,000	2,180	June	3,330	1,840	2,590
March	3,860	1,920	2,500	July	3,250	2,320	2,710
April	3,860	2,250	2,730	August	2,390	1,840	2,190
May	2,250	1,640	1,880	September	2,530	1,840	2,230

WITHLACOOCHEE RIVER BASIN

WITHLACOOCHEE RIVER NEAR DADE CITY, FLA.

LOCATION.—Staff gage at Lanier Bridge 4 miles east of Dade City, Pasco County, and about 12 miles upstream from gage at Trilby.

RECORDS AVAILABLE.—February to September, 1930.

EXTREMES.—Maximum discharge during period, 1,960 second-feet Apr. 2 (gage height, 12.35 feet); minimum, 13 second-feet May 23 (gage height, 5.62 feet).

REMARKS.—Records good. Discharge estimated May 11–14.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....		186	1,760	172	29	1,070	131	131
2.....		160	1,960	160	33	950	123	123
3.....		150	1,860	150	35	950	131	115
4.....		131	1,860	131	39	950	131	107
5.....		123	1,760	115	46	950	140	93
6.....		123	1,860	100	53	895	150	90
7.....		131	1,670	93	58	895	172	86
8.....		131	1,580	83	216	895	186	83
9.....		140	1,420	74	282	950	186	86
10.....		150	1,340	66	404	950	186	100
11.....	340	160	1,270	60	565	895	186	123
12.....	382	172	1,130	50	705	845	200	150
13.....	428	172	1,070	45	795	795	200	200
14.....	453	186	950	40	845	750	186	264
15.....	505	186	895	37	845	665	172	320
16.....	505	216	795	33	845	630	186	360
17.....	505	216	705	31	845	565	200	404
18.....	453	232	630	26	895	505	200	428
19.....	428	232	595	22	950	453	186	453
20.....	404	248	564	20	1,010	404	186	453
21.....	360	248	535	17	1,010	360	172	453
22.....	340	264	505	15	1,070	320	160	428
23.....	300	264	453	13	1,130	282	150	453
24.....	282	282	382	17	1,130	248	150	479
25.....	264	282	360	18	1,200	216	150	505
26.....	248	300	320	17	1,200	186	160	535
27.....	216	505	282	17	1,270	186	160	630
28.....	200	630	248	16	1,200	172	160	665
29.....		630	232	18	1,130	160	150	705
30.....		750	200	24	1,130	150	150	705
31.....		1,130		26		140	131	

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
February 11–28.....	505	200	367	June.....	1,270	29	698
March.....	1,130	123	282	July.....	1,070	140	593
April.....	1,960	200	973	August.....	200	123	166
May.....	172	13	55	September.....	705	83	324

WITHLACOOCHEE RIVER AT TRILBY, FLA.

LOCATION.—Staff gage at highway bridge 1 mile north of Trilby, Pasco County.

DRAINAGE AREA.—710 square miles.

RECORDS AVAILABLE.—August, 1928, to February, 1929; February to September, 1930.

EXTREMES.—Maximum discharge during year, 2,070 second-feet Apr. 10 (gage height, 12.22 feet); minimum, 106 second-feet May 22–25 (gage height, 1.7 feet).

1928–1930: Maximum discharge, 3,340 second-feet Oct. 3, 4, 1928 (gage height, 15.35 feet); minimum, 77 second-feet Jan. 4, 1929 (gage height, 1.38 feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1930

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....		432	1,470	629	156	1,380	456	218
2.....		420	1,470	590	156	1,380	432	218
3.....		396	1,530	552	136	1,380	408	218
4.....		372	1,620	516	136	1,350	372	218
5.....		350	1,720	480	136	1,380	350	218
6.....		350	1,860	444	136	1,380	339	207
7.....		317	2,000	408	146	1,350	317	207
8.....		339	2,070	372	408	1,320	295	196
9.....		339	2,070	350	655	1,300	284	186
10.....	284	350	2,070	317	669	1,250	273	186
11.....	284	350	2,040	284	669	1,200	273	186
12.....	284	328	2,000	262	590	1,150	273	176
13.....	295	317	1,930	240	564	1,120	273	176
14.....	306	306	1,860	218	577	1,100	273	176
15.....	328	295	1,790	196	642	1,050	273	176
16.....	361	295	1,760	176	711	1,030	273	186
17.....	384	306	1,680	156	770	1,010	273	218
18.....	420	306	1,650	146	815	970	273	240
19.....	456	306	1,600	136	910	950	295	284
20.....	468	306	1,410	126	990	910	306	306
21.....	480	306	1,300	116	1,050	870	328	339
22.....	492	306	1,200	106	1,100	815	328	396
23.....	492	339	1,120	106	1,150	785	317	444
24.....	492	444	1,030	106	1,180	740	306	492
25.....	492	564	970	106	1,200	697	295	516
26.....	480	603	870	156	1,220	655	284	528
27.....	468	577	815	136	1,220	629	273	540
28.....	468	564	755	126	1,300	590	262	564
29.....		830	711	136	1,350	564	240	590
30.....		1,280	642	146	1,350	528	229	629
31.....		1,470		156		492	229	

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
February 10–28.....	492	284	407	June.....	1,350	136	736
March.....	1,470	295	454	July.....	1,380	492	1,010
April.....	2,070	642	1,500	August.....	456	229	303
May.....	629	106	258	September.....	629	176	308

WITHLACOOCHEE-HILLSBORO OVERFLOW NEAR RICHLAND FLA.

LOCATION.—Staff gage at bridge on Dade City-Lakeland highway 3 miles from Richland, Pasco County, and 10 miles southeast of Dade City.

RECORDS AVAILABLE.—April to September, 1930.

EXTREMES.—Maximum discharge during period, 615 second-feet Apr. 2 (gage height, estimated, 7.25 feet); no flow May 11–24 (gage height, 3.7 feet).

REMARKS.—Records fair. Discharge estimated Feb. 11 to Apr. 3, prior to installation of gage, on basis of a relationship curve with Withlacoochee River near Dade City.

Daily and monthly discharge, in second-feet, 1929–30

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	-----	7.0	575	6.3	11	308	0.9	1.3
2.....	-----	5.2	615	4.2	8.6	325	.7	* 1.0
3.....	-----	3.5	615	2.7	7.8	342	* 1.1	*.6
4.....	-----	2.5	615	1.5	4.9	325	1.5	.3
5.....	-----	1.5	615	1.1	4.2	308	2.9	.2
6.....	-----	1.4	615	.4	3.5	308	7.0	*.4
7.....	-----	1.9	535	.2	14	325	10	.7
8.....	-----	2.5	500	.2	80	342	11	* 1.0
9.....	-----	2.9	465	.1	158	342	11	* 1.2
10.....	-----	3.5	430	.1	260	308	10	1.5
11.....	28	4.9	378	0	325	275	10	* 6.2
12.....	33	5.8	342	0	342	260	10	11
13.....	45	7.0	290	* 0	342	218	9.4	* 15
14.....	53	7.4	245	0	325	180	9.4	64
15.....	70	7.8	205	0	316	148	8.6	* 72
16.....	70	9.8	180	* 0	308	118	8.6	91
17.....	70	11	158	* 0	325	84	9.4	* 91
18.....	50	12	138	* 0	342	64	11	91
19.....	45	12	118	0	560	48	9.4	* 86
20.....	38	13	102	* 0	378	34	7.0	80
21.....	29	14	80	* 0	395	25	8.6	91
22.....	26	15	61	* 0	422	21	3.5	* 102
23.....	20	16	48	* 0	448	14	* 3.5	114
24.....	18	18	34	0	448	11	3.5	138
25.....	15	18	26	.5	448	8.6	* 6.8	148
26.....	14	20	21	* 1.0	448	7.0	10	148
27.....	11	70	16	* 1.0	430	2.7	* 7.8	148
28.....	9.0	118	14	* 6.0	395	3.1	* 6.7	180
29.....	-----	128	10	* 16	430	3.5	3.5	192
30.....	-----	169	8.6	21	360	2.7	* 2.8	180
31.....	-----	360	-----	24	-----	1.5	* 2.0	-----

Month	Maximum	Minimum	Mean	Month	Maximum	Minimum	Mean
February.....	70.0	9.0	35.8	June.....	448.0	3.5	271.0
March.....	360.0	1.4	34.5	July.....	342.0	1.5	154.0
April.....	615.0	8.6	268.0	August.....	11.0	.7	6.70
May.....	24.0	0	2.80	September.....	192.0	.2	68.7

* Estimated or interpolated.

SUWANNEE RIVER BASIN

SUWANNEE RIVER AT FARGO, GA.

LOCATION.—Staff gage at Georgia Southern & Florida Railway bridge at Fargo, Clinch County, 12 miles below Mixons Ferry dam site. Zero of gage 92.90 feet above mean sea level.

DRAINAGE AREA.—1,050 square miles.

RECORDS AVAILABLE.—January, 1921, to September, 1923; January, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 12,700 second-feet Oct. 3, 4 (gage height, 18.6 feet); minimum, 285 second-feet Sept. 17 (gage height, 2.90 feet).

1927-1930: Maximum discharge, that of Oct. 3, 1929; minimum, 2.1 second-feet Nov. 16, 1927 (gage height, -0.46 foot).

REMARKS.—Records fair. Discharge interpolated Sept. 4-10.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11,600	2,210	565	2,060	4,300	2,370	6,650	2,770	389	865	1,230	378
2	12,300	2,290	565	2,060	4,400	2,370	6,410	2,690	356	790	1,280	356
3	12,700	1,920	565	2,060	4,300	2,210	6,170	2,450	325	730	1,280	356
4	12,700	1,780	565	1,990	4,300	2,130	6,050	2,370	356	690	1,330	350
5	12,600	1,720	565	1,990	4,400	2,060	6,050	2,210	424	640	1,330	345
6	12,500	1,660	565	1,920	4,400	1,920	5,930	2,130	460	595	1,330	340
7	12,200	1,660	550	1,850	4,400	1,780	5,930	2,060	484	550	1,330	335
8	11,800	1,600	580	1,780	4,400	2,530	6,050	1,920	508	535	1,280	330
9	11,300	1,540	595	1,660	4,400	2,610	6,050	1,850	535	520	1,230	325
10	11,100	1,430	595	1,600	4,300	2,610	6,050	1,720	565	520	1,230	320
11	10,800	1,330	595	1,480	4,200	2,530	6,050	1,540	580	520	1,190	315
12	10,200	1,230	610	1,380	4,100	2,530	6,050	1,380	595	508	1,040	305
13	9,200	1,190	610	1,230	4,000	2,450	5,930	1,230	595	508	920	325
14	8,940	1,150	595	1,660	3,900	2,530	5,810	1,080	595	496	815	325
15	8,420	1,040	580	1,660	3,800	2,530	5,570	980	610	472	750	305
16	7,900	950	565	1,720	3,800	2,690	5,530	950	640	550	690	295
17	7,380	890	565	1,780	3,800	2,860	5,170	920	655	625	625	295
18	6,890	840	595	2,060	3,700	3,040	4,840	865	710	710	565	335
19	6,410	790	670	2,530	3,600	3,220	4,730	815	790	770	520	378
20	6,170	750	655	2,770	3,400	3,600	4,510	770	865	790	508	412
21	5,930	730	655	3,040	3,310	3,800	4,400	750	980	815	550	424
22	5,460	710	790	3,220	3,130	4,000	4,300	710	1,010	865	580	484
23	5,410	670	1,150	3,400	3,040	4,400	4,100	640	1,120	865	580	610
24	5,170	640	1,430	3,800	2,950	5,530	3,900	670	1,190	865	580	750
25	4,840	625	1,780	3,600	2,860	6,050	3,700	750	1,190	920	580	920
26	4,200	625	1,920	3,600	2,690	6,410	3,400	710	1,190	950	565	1,120
27	3,800	610	1,990	3,600	2,530	6,410	3,220	670	1,190	1,080	520	1,330
28	3,040	610	1,990	3,600	2,530	6,650	3,040	640	1,120	1,190	496	1,540
29	2,210	595	2,060	3,800	-----	6,770	2,950	508	1,010	1,190	472	1,660
30	2,450	580	2,060	4,000	-----	6,890	2,860	424	950	1,150	448	1,780
31	2,370	-----	2,060	4,200	-----	6,890	-----	412	-----	1,150	400	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	12,700	2,210	8,000	7.62	8.78
November	2,290	580	1,150	1.10	1.23
December	2,060	550	956	.910	1.08
January	4,200	1,230	2,490	2.37	2.73
February	4,400	2,530	3,750	3.57	3.72
March	6,890	1,780	3,690	3.81	4.05
April	6,650	2,860	5,050	4.81	5.37
May	2,770	412	1,280	1.22	1.41
June	1,190	325	733	.668	.78
July	1,190	472	756	.720	.83
August	1,330	400	847	.807	.93
September	1,780	295	578	.550	.61
The year	12,700	295	2,430	2.31	31.49

SUWANNEE RIVER AT WHITE SPRINGS, FLA.

LOCATION.—Staff gage at highway bridge in White Springs, Hamilton County, 500 feet upstream from large spring (White Spring).

DRAINAGE AREA.—2,160 square miles.

RECORDS AVAILABLE.—May, 1906, to December, 1908; February, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 19,600 second-feet Oct. 5 (gage height, 33.5 feet); minimum, 350 second-feet Sept. 5-7 (gage height, 3.70 feet).

1906-1908, 1927-1930: Maximum discharge, 20,600 second-feet Sept. 30, Oct. 1, 1928 (gage height, 33.9 feet); minimum, 12 second-feet June 5-8, 1927.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9,810	4,100	710	2,380	6,330	3,650	12,600	5,040	500	1,180	1,360	425
2	13,000	3,500	680	2,350	6,330	3,430	12,600	4,620	475	1,120	1,400	400
3	16,700	3,070	680	2,460	6,410	3,210	12,400	4,280	450	1,040	1,460	400
4	18,500	2,740	680	2,670	6,480	3,000	12,400	4,210	425	908	1,600	375
5	19,400	2,380	650	2,600	6,560	2,820	12,200	3,500	425	874	1,680	375
6	19,400	2,170	650	2,460	6,560	2,600	10,800	3,250	450	806	1,780	375
7	19,200	1,960	650	2,280	6,560	3,030	10,600	2,960	650	742	1,780	350
8	19,000	1,740	650	2,170	6,560	5,420	10,600	2,740	742	680	1,740	375
9	18,500	1,680	650	2,100	6,560	5,680	10,300	2,490	774	590	1,640	450
10	18,000	1,600	650	1,960	6,480	5,500	10,100	2,240	710	590	1,540	560
11	17,400	1,460	680	1,850	6,410	5,340	10,000	2,060	680	650	1,360	530
12	16,400	1,430	710	1,740	6,290	5,270	9,810	1,880	680	774	1,150	500
13	15,700	1,360	710	1,680	6,260	5,190	9,610	1,680	710	976	1,080	400
14	14,800	1,260	680	1,600	6,100	5,120	9,430	1,570	710	908	1,040	400
15	14,100	1,180	680	1,740	6,030	5,990	9,190	1,460	806	840	942	400
16	13,500	1,180	680	3,180	6,100	6,290	9,070	1,360	1,010	806	874	375
17	12,600	1,120	650	3,740	6,100	6,260	8,870	1,260	1,080	976	806	375
18	11,800	1,040	710	3,500	6,030	6,140	8,620	1,180	1,040	1,460	774	425
19	11,100	976	742	4,240	5,840	6,100	8,470	1,120	1,010	1,740	650	500
20	10,600	942	840	4,510	5,690	6,410	8,280	1,080	942	1,740	590	530
21	10,100	874	874	4,660	5,460	6,520	8,060	1,040	1,080	1,600	560	874
22	9,950	840	976	4,890	5,310	6,640	7,780	1,010	1,290	1,540	560	908
23	9,250	840	1,820	5,270	5,120	7,550	7,470	976	1,570	1,430	560	976
24	8,670	840	2,100	5,570	4,930	8,970	7,210	908	1,540	1,320	560	1,180
25	7,940	806	2,240	5,650	4,660	9,740	6,940	840	1,460	1,290	560	1,290
26	7,240	806	2,240	5,650	4,430	10,100	6,640	774	1,430	1,180	560	1,320
27	6,670	774	2,240	5,650	4,170	10,900	6,290	710	1,400	1,290	560	1,360
28	6,150	774	2,310	5,650	3,910	11,600	6,070	650	1,360	1,400	560	1,400
29	5,720	742	2,380	5,950	-----	12,400	5,760	620	1,320	1,430	560	1,540
30	5,190	710	2,420	6,200	-----	12,600	5,420	590	1,260	1,400	530	1,850
31	4,660	-----	2,380	6,370	-----	12,600	-----	560	-----	1,400	450	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	19,400	4,660	12,600	5.84	6.73
November	4,100	710	1,500	.695	.78
December	2,420	650	1,150	.532	.61
January	6,370	1,600	3,630	1.68	1.94
February	6,560	3,910	5,850	2.71	2.82
March	12,600	2,600	6,650	3.08	3.55
April	12,600	5,420	9,120	4.22	4.71
May	5,040	560	1,890	.877	1.01
June	1,570	425	933	.430	.48
July	1,740	590	1,120	.518	.60
August	1,780	450	1,010	.467	.54
September	1,850	350	707	.327	.38
The year	19,400	350	3,840	1.78	24.14

SUWANNEE RIVER AT ELLAVILLE, FLA.

LOCATION.—Staff gage at old highway bridge at Ellaville, Madison County, 200 feet above Seaboard Air Line Railway trestle and 200 feet below mouth of Withlacoochee River.

DRAINAGE AREA.—6,840 square miles.

RECORDS AVAILABLE.—January, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 34,000 second-feet Oct. 12, 13 (gage height, 26.9 feet); minimum, 2,420 second-feet Sept. 17 (gage height, 3.40 feet).

1927-1930: Maximum discharge, 73,000 second-feet Aug. 20, 1928 (gage height, 37.1 feet); minimum discharge, 1,120 second-feet Nov. 21 to Dec. 2, 1927; minimum gage height, 2.29 feet Dec. 1, 1927.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14,100	12,200	5,800	8,540	17,400	11,600	28,300	17,900	4,440	5,360	5,140	3,070
2	15,800	11,400	6,200	8,620	17,800	11,200	28,900	16,500	4,320	5,030	5,470	2,940
3	18,000	11,000	6,600	8,620	18,000	10,600	29,200	15,100	4,200	4,920	5,690	2,940
4	20,200	10,300	6,780	8,700	18,200	10,400	29,200	14,100	4,200	4,800	5,800	2,810
5	22,400	9,730	6,690	8,700	18,500	10,200	29,200	13,200	4,080	4,680	6,300	2,810
6	24,900	9,280	6,690	8,700	18,800	9,550	29,100	12,200	4,080	4,560	6,600	2,680
7	27,300	8,940	6,600	8,700	19,200	9,550	29,200	11,600	4,200	4,440	6,690	2,680
8	29,400	8,460	6,400	8,620	19,800	11,200	29,200	10,800	4,440	4,320	6,690	2,680
9	31,200	8,140	6,400	8,620	20,000	13,600	29,100	10,300	4,680	4,200	6,500	2,680
10	32,900	7,900	6,400	8,460	20,200	15,600	28,700	9,730	4,680	4,080	6,200	2,680
11	33,600	7,660	6,400	8,300	20,500	16,700	28,300	9,370	4,680	3,960	6,000	2,680
12	34,000	7,320	6,500	8,220	20,500	17,600	28,900	8,860	4,680	3,840	5,690	2,680
13	34,000	6,780	6,500	8,140	20,600	17,800	28,000	8,540	4,680	3,840	5,250	2,550
14	33,600	6,960	6,400	8,060	20,600	17,800	27,800	8,140	4,800	3,840	4,920	2,550
15	32,700	6,690	6,400	7,980	20,300	17,600	27,400	7,900	4,800	3,840	4,800	2,550
16	31,200	6,500	6,300	8,140	20,000	17,800	27,100	7,580	4,920	3,960	4,680	2,550
17	29,800	6,200	6,100	8,780	19,400	17,900	25,900	7,320	4,920	4,320	4,560	2,420
18	28,700	6,000	6,000	9,280	18,600	17,900	24,900	7,050	4,800	5,030	4,320	2,550
19	27,300	5,900	5,800	9,820	17,900	17,900	23,800	6,780	4,800	5,470	4,200	2,680
20	25,700	5,580	5,580	10,600	17,000	17,900	23,200	6,500	4,800	5,800	3,960	2,810
21	24,400	5,470	5,470	11,400	16,500	18,200	22,500	6,400	4,900	5,900	3,840	2,940
22	23,000	5,360	5,360	12,000	15,600	18,500	22,400	6,200	4,820	5,800	3,840	3,200
23	22,200	5,250	5,800	12,700	15,100	18,400	22,100	5,900	5,140	5,470	3,960	3,330
24	21,700	5,140	6,400	13,600	14,400	20,900	21,900	5,800	5,140	5,140	3,840	3,460
25	19,100	5,140	6,960	14,200	13,700	22,500	21,600	5,690	5,800	4,920	3,720	3,720
26	18,200	5,030	7,320	14,800	13,200	23,800	21,400	5,470	5,800	4,680	3,720	3,840
27	17,000	5,140	7,500	15,300	12,600	24,900	21,100	5,250	5,800	4,560	3,720	3,840
28	15,800	5,250	7,820	15,600	12,100	25,500	20,800	5,140	5,800	4,440	3,590	3,720
29	14,600	5,360	7,980	15,900	-----	26,600	20,600	4,920	5,690	4,320	3,460	3,720
30	14,000	5,580	8,140	16,300	-----	27,100	19,100	4,800	5,580	4,680	3,330	3,840
31	13,200	-----	8,300	16,900	-----	27,800	-----	4,680	-----	4,920	3,200	-----
Month	Maximum			Minimum			Mean			Per square mile	Run-off in inches	
October	34,000			13,200			24,200			3.54	4.08	
November	12,200			5,030			7,190			1.05	1.17	
December	8,300			5,360			6,570			.96	1.11	
January	16,900			7,980			10,700			1.56	1.80	
February	20,600			12,100			17,700			2.59	2.70	
March	27,800			9,550			17,600			2.57	2.96	
April	29,200			19,100			25,600			3.74	4.17	
May	17,900			4,680			8,700			1.27	1.46	
June	5,800			4,080			4,870			.712	.79	
July	5,900			3,840			4,680			.68	.79	
August	6,690			3,200			4,830			.70	.81	
September	3,840			2,420			2,990			.437	.49	
The year	34,000			2,420			11,300			1.65	22.33	

SUWANNEE RIVER AT LURAVILLE, FLA.

LOCATION.—Staff gage at highway bridge 1 mile south of Luraville, Suwannee County, and 3 miles above Grants Ferry Shoals. A large spring discharges into river 500 feet above bridge on left bank.

DRAINAGE AREA.—7,360 square miles.

RECORDS AVAILABLE.—February, 1927, to September, 1930.

EXTREMES.—Maximum discharge during year, 27,200 second-feet Oct. 15 (gage height, 22.50 feet); minimum, 3,270 second-feet Sept. 14–19 (gage height, 3.60 feet).

1927–1930: Maximum discharge, about 66,000 second-feet Aug. 24, 1928 (gage height, 33.7 feet); minimum discharge, 1,630 second-feet Nov. 30 to Dec. 7, 1927; minimum gage height, 1.70 feet Dec. 5, 1927.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sept.
1-----	12,800	15,200	6,350	8,540	16,100	13,700	24,600	19,800	5,950	6,050	5,450	4,050
2-----	13,800	14,400	6,560	8,760	16,400	13,200	24,800	18,900	5,857	5,950	5,650	3,950
3-----	15,100	13,800	6,890	8,870	16,800	12,600	25,300	17,900	5,750	5,850	5,750	3,850
4-----	16,500	13,200	7,110	8,980	17,100	12,200	25,600	17,000	5,757	5,750	5,950	3,750
5-----	17,900	12,400	7,220	8,980	17,200	11,800	25,600	16,300	5,757	5,550	6,250	3,750
6-----	19,300	11,700	7,220	8,980	17,500	11,400	25,800	15,500	5,857	5,450	6,450	3,650
7-----	20,700	11,100	7,110	8,980	17,800	11,000	25,900	14,700	5,857	5,350	6,670	3,650
8-----	22,000	10,600	7,110	8,980	18,100	11,200	25,900	13,900	5,757	5,350	6,780	3,550
9-----	23,200	10,300	7,000	8,870	18,400	12,800	25,900	13,300	5,657	5,150	6,670	3,450
10-----	24,400	9,810	6,890	8,870	18,600	14,100	25,900	12,500	5,657	5,150	6,560	3,450
11-----	25,300	9,330	6,890	8,760	18,800	15,200	25,800	12,200	5,557	5,050	6,450	3,450
12-----	26,200	8,980	6,890	8,650	18,900	16,000	25,600	11,400	5,457	4,950	6,250	3,450
13-----	26,800	8,760	6,890	8,540	19,200	16,700	25,600	10,800	5,457	4,850	5,950	3,360
14-----	27,100	8,430	6,890	8,480	19,300	17,000	25,600	10,400	5,457	4,750	5,650	3,270
15-----	27,200	8,210	6,780	8,430	19,500	17,200	25,300	9,980	5,757	4,750	5,450	3,270
16-----	27,100	7,880	6,780	8,430	19,300	17,200	25,300	9,570	5,657	4,850	5,350	3,270
17-----	26,800	7,660	6,670	8,760	19,100	17,400	25,000	9,090	5,757	4,850	5,150	3,270
18-----	26,200	7,440	6,560	9,210	18,800	17,500	24,600	8,650	5,757	5,050	5,150	3,270
19-----	25,600	7,220	6,450	9,690	18,400	17,700	24,000	8,540	5,557	5,550	5,050	3,270
20-----	25,200	7,000	6,450	10,300	17,900	17,800	23,400	8,210	5,657	5,950	4,950	3,360
21-----	24,200	6,780	6,250	10,900	17,400	17,900	22,800	7,880	5,657	6,250	4,750	3,450
22-----	23,400	6,670	6,050	11,600	17,000	18,100	22,400	7,660	5,557	6,250	4,650	3,650
23-----	22,400	6,560	6,150	12,100	16,400	18,200	22,200	7,550	5,857	6,050	4,650	3,850
24-----	21,600	6,450	6,450	12,800	16,000	19,200	21,900	7,330	5,957	5,950	4,650	3,950
25-----	20,900	6,350	6,670	13,400	15,500	19,900	21,700	7,110	6,257	5,750	4,550	4,050
26-----	19,900	6,250	7,220	13,900	15,100	20,900	21,400	6,890	6,257	5,550	4,450	4,250
27-----	19,100	6,150	7,440	14,300	14,600	21,700	21,300	6,670	6,257	5,350	4,450	4,250
28-----	18,200	6,150	7,660	14,700	14,100	22,600	21,000	6,560	6,257	5,250	4,450	4,250
29-----	17,400	6,050	7,990	15,000	-----	23,000	20,700	6,350	6,257	5,150	4,350	4,250
30-----	16,700	6,050	8,100	15,400	-----	23,500	20,500	6,150	6,257	5,150	4,250	4,250
31-----	15,800	-----	8,320	15,800	-----	24,000	-----	6,050	-----	5,150	4,150	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	27,200	12,800	21,600	2.94	3.39
November-----	15,200	6,050	8,900	1.21	1.25
December-----	8,320	6,050	6,940	.943	1.09
January-----	15,800	8,430	10,600	1.44	1.66
February-----	19,500	14,100	17,500	2.38	2.48
March-----	24,000	11,000	16,900	2.30	2.65
April-----	25,900	20,500	24,000	3.26	3.64
May-----	19,800	6,050	10,800	1.47	1.70
June-----	6,250	5,450	5,810	.790	.88
July-----	6,250	4,750	5,420	.736	.85
August-----	6,780	4,150	5,380	.731	.84
September-----	4,250	3,270	3,680	.500	.66
The year-----	27,200	3,270	11,400	1.55	21.09

ALAPAHA RIVER AT MAYDAY, GA.

LOCATION.—Chain gage at highway bridge 500 feet upstream from Georgia Southern & Florida Railway bridge and half a mile west of Mayday, Echols County.

DRAINAGE AREA.—1,300 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 5,630 second-feet Oct. 9 (gage height, 21.98 feet); minimum, 76 second-feet Sept. 16 (gage height, 5.21 feet).

1928-1930: Maximum discharge, 14,200 second-feet Mar. 22, 1929; minimum, that of Sept. 16, 1930.

A stage of 29.12 feet occurred May 1, 1928 (discharge, 15,100 second-feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,570	840	1,490	2,400	4,290	1,370	3,850	1,980	240	500	692	153
2	2,610	815	1,700	2,500	4,170	1,280	3,730	1,870	177	572	915	133
3	2,810	765	1,840	2,500	4,010	1,190	3,530	1,730	143	620	1,040	123
4	3,450	740	1,800	2,460	3,850	1,130	3,370	1,590	138	596	1,220	109
5	4,210	692	1,590	2,430	4,090	1,100	3,370	1,370	138	572	1,340	104
6	5,000	668	1,490	2,400	4,370	1,040	3,690	1,130	148	572	1,250	96
7	5,400	620	1,460	2,400	4,530	1,280	3,570	965	170	500	965	61
8	5,580	572	1,460	2,400	4,730	2,930	3,450	815	240	390	815	61
9	5,680	572	1,460	2,320	4,690	3,210	3,330	716	210	346	740	83
10	5,580	524	1,460	2,290	4,610	3,290	3,250	620	240	302	644	80
11	5,500	478	1,520	2,360	4,650	3,050	3,290	548	280	280	596	83
12	5,400	456	1,560	2,400	4,690	2,500	3,370	478	302	210	668	83
13	5,270	434	1,520	2,360	4,530	2,150	3,450	434	302	184	740	87
14	4,960	434	1,490	2,220	4,210	2,080	3,450	390	250	158	815	80
15	4,570	390	1,400	2,150	3,850	2,260	3,290	368	240	143	865	80
16	4,250	368	1,340	2,260	3,370	2,400	3,010	346	230	153	965	76
17	3,530	368	1,280	2,290	3,050	2,430	2,730	324	220	200	990	80
18	2,970	368	1,220	2,540	2,850	2,430	2,500	302	250	200	815	80
19	2,500	368	1,130	3,050	2,610	2,500	2,430	270	280	210	620	116
20	2,010	368	1,040	3,050	2,400	2,850	2,430	240	412	177	478	134
21	1,590	368	990	3,090	2,180	2,930	2,540	220	412	153	412	302
22	1,370	346	1,100	3,250	2,010	3,130	2,610	184	478	133	390	456
23	1,190	368	1,250	3,370	1,900	3,410	2,460	177	524	123	390	644
24	1,100	390	1,240	3,370	1,800	3,730	2,460	164	500	128	500	668
25	990	434	1,430	3,330	1,730	3,610	2,650	158	434	128	524	500
26	915	548	1,560	3,290	1,620	3,530	2,730	143	390	158	478	346
27	865	716	1,620	3,330	1,520	3,490	2,770	138	346	184	390	270
28	840	865	1,730	3,410	1,430	3,570	2,570	133	346	390	302	220
29	840	1,040	1,940	3,690	-----	3,810	2,400	164	346	456	250	182
30	840	1,280	2,080	4,010	-----	3,850	2,150	240	412	548	200	324
31	840	-----	2,260	4,170	-----	3,850	-----	270	-----	620	177	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,630	840	3,070	2.36	2.72
November	1,280	346	.44	.44	.49
December	2,260	990	1,500	1.15	1.33
January	4,170	2,150	2,810	2.16	2.49
February	4,730	1,430	3,350	2.58	2.69
March	3,850	1,040	2,630	2.02	2.33
April	3,850	2,150	3,010	2.32	2.59
May	1,980	133	596	.45	.53
June	524	138	293	.22	.25
July	620	123	319	.24	.28
August	1,340	177	683	.52	.61
September	668	76	198	.15	.17
The year	5,630	76	1,580	1.22	16.48

WITHLACOOCHEE RIVER AT BLUE SPRINGS, GA.

LOCATION.—Chain gage on Valdosta-Quitman highway 500 feet downstream from Atlantic Coast Line Railroad bridge and one-fourth mile east of Blue Springs, Brooks County.

DRAINAGE AREA.—1,500 square miles.

RECORDS AVAILABLE.—October, 1920, to March, 1921¹; September, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 12,200 second-feet Oct. 7 (gage height, 26.89 feet); minimum, 36 second-feet June 4 (gage height, 6.93 feet).
1928-1930: Maximum discharge, 23,600 second-feet Mar. 20, 1929 (gage height, 29.8 feet); minimum, 36 second-feet June 4, 1930 (gage height, 6.93 feet).

A stage of 33.34 feet occurred Aug. 17, 1928 (discharge, 42,200 second-feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	5,480	750	1,880	2,640	4,710	1,100	4,860	1,680	48	995	1,240	112
2-----	6,300	680	2,120	2,440	4,660	1,060	4,470	1,200	44	855	1,280	100
3-----	7,170	575	2,160	2,240	4,710	1,060	4,110	960	40	610	1,520	88
4-----	7,980	540	2,000	2,080	4,860	1,030	4,110	820	36	610	1,560	80
5-----	9,170	452	1,720	2,040	5,640	995	3,840	715	68	470	1,640	72
6-----	11,400	400	1,480	2,000	5,860	995	4,160	610	55	365	1,640	60
7-----	12,200	382	1,400	1,880	5,860	1,030	4,240	505	201	315	1,480	65
8-----	11,000	348	1,440	1,800	5,760	4,560	4,160	452	285	255	1,400	52
9-----	9,310	348	1,520	1,760	5,540	5,160	4,110	400	418	180	1,560	44
10-----	8,140	365	1,480	1,720	5,640	6,080	4,380	348	505	142	1,280	42
11-----	7,170	400	1,640	1,680	6,140	6,030	4,860	240	418	118	1,030	50
12-----	6,140	365	1,640	1,640	6,250	5,480	5,420	255	575	105	750	70
13-----	4,860	315	1,600	1,600	5,860	4,760	5,700	240	750	95	575	98
14-----	3,480	285	1,520	1,520	5,060	4,060	5,420	198	890	88	610	78
15-----	2,200	270	1,480	1,400	4,110	3,620	4,710	174	890	80	575	65
16-----	1,600	240	1,200	2,000	3,260	3,340	3,620	145	785	120	382	68
17-----	1,320	225	1,060	2,240	2,640	3,160	2,440	138	645	925	315	145
18-----	1,140	225	960	2,480	2,320	3,030	1,800	125	540	960	285	168
19-----	1,030	225	925	3,120	2,160	3,030	1,800	115	610	1,200	255	204
20-----	890	210	960	3,340	2,000	3,340	2,200	112	610	1,030	210	255
21-----	855	225	890	3,700	1,840	3,440	2,640	90	610	750	470	470
22-----	855	225	925	4,160	1,720	3,700	3,120	85	640	575	750	382
23-----	820	255	1,320	4,710	1,560	4,340	3,700	90	1,000	452	645	365
24-----	785	300	1,480	5,060	1,480	4,960	4,200	80	1,170	315	435	382
25-----	785	452	1,720	5,210	1,400	5,260	4,560	88	1,270	270	470	348
26-----	750	610	1,960	5,160	1,320	5,420	4,760	78	1,280	255	505	270
27-----	750	750	2,160	5,060	1,280	5,370	4,160	62	1,400	201	365	225
28-----	750	960	2,320	4,860	1,170	5,260	4,200	62	1,400	225	610	204
29-----	750	1,170	2,480	4,810	-----	5,160	3,480	58	1,280	470	225	162
30-----	750	1,520	2,680	4,910	-----	5,160	2,440	58	1,100	750	177	255
31-----	785	-----	2,720	4,810	-----	5,110	-----	52	-----	1,060	135	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	12,200	750	4,080	2.72	3.14
November-----	1,520	210	469	.312	.35
December-----	2,720	890	1,640	1.09	1.26
January-----	5,210	1,400	3,030	2.02	2.33
February-----	6,250	1,170	3,740	2.49	2.59
March-----	6,080	995	3,740	2.49	2.87
April-----	5,700	1,800	3,920	2.61	2.91
May-----	1,680	52	330	.220	.25
June-----	1,400	36	664	.443	.49
July-----	1,200	80	479	.319	.37
August-----	1,640	135	786	.524	.60
September-----	470	42	166	.111	.12
The year-----	12,200	36	1,910	1.27	17.28

¹ Published as Withlacoochee River near Ousley, Ga.

SANTA FE RIVER NEAR FORT WHITE, FLA.

LOCATION.—Staff gage 2 miles upstream from county highway bridge on road between Willeford and Fort White and 4 miles south of Fort White, Columbia County.

DRAINAGE AREA.—1,270 square miles.

RECORDS AVAILABLE.—October, 1927, to January, 1930 (discontinued).

EXTREMES.—Maximum discharge during period, about 4,180 second-feet Oct. 3-6 (gage height, 6.9 feet); minimum, 1,450 second-feet Jan. 11-16 (gage height, 1.52 feet).

1927-1930: Maximum discharge, about 4,750 second-feet Aug. 27-29, 1928 (gage height, 9.5 feet); minimum, 900 second-feet Feb. 9-13, 15-24, 1928 (gage height, 0.72 foot).

REMARKS.—Records fair. Probably some backwater effect from Suwannee River during high stages on that stream.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Day	Oct.	Nov.	Dec.	Jan.
1-----	4,050	2,590	1,620	1,530	16-----	3,740	1,880	1,530	1,450
2-----	4,150	2,590	1,620	1,530	17-----	3,710	1,880	1,530	1,530
3-----	4,180	2,440	1,620	1,530	18-----	3,680	1,790	1,530	1,530
4-----	4,180	2,370	1,620	1,530	19-----	3,650	1,790	1,530	1,530
5-----	4,180	2,300	1,620	1,530	20-----	3,620	1,790	1,530	1,620
6-----	4,180	2,220	1,620	1,530	21-----	3,580	1,790	1,530	1,700
7-----	4,100	2,220	1,620	1,530	22-----	3,510	1,790	1,530	1,790
8-----	4,050	2,140	1,620	1,530	23-----	3,430	1,790	1,530	1,790
9-----	4,000	2,140	1,620	1,530	24-----	3,340	1,700	1,530	1,790
10-----	3,950	2,050	1,620	1,530	25-----	3,260	1,700	1,530	1,880
11-----	3,890	2,050	1,530	1,450	26-----	3,200	1,700	1,620	1,880
12-----	3,860	1,960	1,530	1,450	27-----	3,100	1,700	1,620	1,960
13-----	3,800	1,960	1,530	1,450	28-----	2,980	1,700	1,620	2,050
14-----	3,770	1,880	1,530	1,450	29-----	2,920	1,620	1,620	2,050
15-----	3,770	1,880	1,530	1,450	30-----	2,800	1,620	1,620	2,050
					31-----	2,660	-----	1,620	2,050

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	4,180	2,660	3,650	2.87	3.31
November-----	2,590	1,620	1,970	1.55	1.73
December-----	1,620	1,530	1,580	1.24	1.43
January-----	2,050	1,450	1,650	1.30	1.50

OCHLOCKONEE RIVER BASIN

OCHLOCKONEE RIVER NEAR HAVANA, FLA.

LOCATION.—Chain gage at bridge on State Highway 1 three-fourths mile above Georgia, Florida & Alabama Railway and 5 miles southeast of Havana, Gadsden County.

DRAINAGE AREA.—1,020 square miles.

RECORDS AVAILABLE.—December, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,160 second-feet Apr. 10 (gage height, 27.07 feet); minimum, 92 second-feet Sept. 10–12. 15 (gage height, 12.7 feet).

1928–1930: Maximum discharge, 14,200 second-feet Mar. 19, 1929 (gage height, 30.3 feet); minimum, that of Sept. 10–12, 15, 1931.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,960	526	826	1,040	2,750	1,020	3,070	1,350	245	263	1,780	177
2	2,100	459	802	1,040	3,190	1,070	2,900	1,210	28	263	1,850	161
3	2,370	377	802	994	3,370	1,070	2,650	1,090	19	338	1,820	146
4	3,070	397	779	946	3,370	1,110	2,500	994	177	503	1,820	132
5	3,620	417	850	898	3,690	1,040	2,060	922	193	526	1,660	118
6												
7	4,310	417	922	850	3,900	970	2,900	850	185	526	1,426	118
8	4,310	338	922	826	3,900	1,020	3,250	779	19	526	1,160	105
9	4,060	338	874	779	3,980	1,720	5,040	756	263	377	874	105
10	3,550	338	850	687	4,220	2,800	6,610	687	526	300	710	98
11	3,070	338	994	641	4,500	3,900	6,970	641	36	210	641	92
12												
13	2,290	338	922	664	4,700	5,280	6,790	618	97	210	756	92
14	1,780	438	850	641	4,310	5,280	5,820	572	86	185	664	92
15	1,310	526	802	641	3,830	4,600	4,920	526	64	227	526	118
16	1,110	438	733	618	2,800	3,830	4,140	526	503	193	459	118
17	946	377	664	641	2,290	2,950	3,310	481	367	161	357	92
18												
19	850	357	595	802	1,920	2,650	2,500	438	338	169	300	98
20	756	338	572	1,020	1,720	2,250	1,960	397	367	202	281	118
21	618	319	549	1,310	1,600	2,450	1,720	397	459	281	338	169
22	572	281	503	1,550	1,550	2,600	2,060	377	428	618	377	481
23	572	281	459	1,700	1,480	2,650	2,210	357	367	779	319	526
24												
25	572	281	595	1,880	1,380	2,650	2,700	338	377	733	281	618
26	618	281	618	2,130	1,310	2,750	3,760	319	377	572	357	779
27	687	357	779	2,500	1,260	3,250	4,400	300	377	459	526	802
28	826	417	970	2,750	1,160	3,760	4,500	300	377	338	641	641
29	850	641	1,140	3,010	1,070	3,980	4,220	281	549	281	595	503
30												
31	756	710	1,260	3,250	1,020	3,980	4,220	263	618	281	438	438
32	733	779	1,260	3,310	970	3,980	3,310	263	50	281	377	417
33	641	779	1,190	3,190	970	3,900	2,550	300	417	319	357	397
34	641	826	1,110	3,310		3,620	1,920	417	37	922	319	377
35	618	850	1,040	3,190		3,490	1,550	377	281	1,280	263	874
36	526		1,040	2,950		3,310		300		1,550	218	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	4,310	526	1,640	1.61	1.86
November	850	281	452	.443	.49
December	1,260	459	847	.830	.96
January	3,310	618	1,610	1.58	1.82
February	4,700	970	2,580	2.53	2.64
March	5,280	970	2,870	2.81	3.24
April	6,970	1,550	3,550	3.48	3.88
May	1,350	263	562	.552	.64
June	970	177	428	.420	.47
July	1,550	161	448	.439	.51
August	1,850	218	726	.712	.82
September	874	92	300	.294	.33
The year	6,970	92	1,320	1.29	17.66

OCHLOCKONEE RIVER NEAR BLOXHAM, FLA.

LOCATION.—Water-stage recorder installed Apr. 9, 1930, 1,000 feet below dam of Florida Power Corporation and 1 mile west of Bloxham, Leon County. Staff gage at bridge on Tallahassee-Bristol highway 900 feet upstream used prior to Apr. 9, 1930.

DRAINAGE AREA.—1,660 square miles.

RECORDS AVAILABLE.—June, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,940 second-feet Apr. 12 (gage height, 15.00 feet); minimum, 14 second-feet Nov. 20–22, Dec. 4 (gage height, –1.31 feet).

1926–1930: Maximum discharge, 19,900 second-feet Aug. 19, 1928 (gage height, 21.4 feet); no flow Sept. 21, 22, 1929.

REMARKS.—Records poor to June 1, fair thereafter. Gage-height record partly estimated May 5–10. Flow regulated by operation of power plant 1,000 feet above gage.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,030	254	70	1,040	4,420	402	4,160	3,920	325	479	825	1,100
2	3,530	1,240	70	1,220	4,040	536	4,160	3,800	292	325	925	1,120
3	4,420	725	60	1,890	4,280	605	4,160	2,410	292	250	775	1,160
4	4,770	1,240	21	605	4,280	775	4,100	3,080	358	240	725	1,400
5	5,160	1,120	1,280	1,500	4,160	1,000	4,160	1,970	413	775	875	1,360
6	5,000	950	1,300	1,340	5,160	1,970	3,980	1,740	677	325	1,420	1,240
7	4,920	1,060	1,100	701	5,320	2,170	5,000	875	750	677	1,400	446
8	4,700	1,060	1,100	677	5,850	3,630	5,000	900	1,340	925	1,180	875
9	4,770	513	900	325	5,490	3,680	5,760	825	347	825	1,280	701
10	4,700	70	925	457	5,080	3,680	5,570	775	559	825	1,220	775
11	4,490	775	2,130	582	5,160	4,350	7,140	468	1,000	1,060	1,120	391
12	4,420	1,040	2,010	1,280	6,030	5,580	7,840	975	1,160	875	1,460	536
13	3,480	1,040	2,170	548	6,750	5,580	8,750	1,040	1,100	292	1,890	457
14	3,330	605	1,780	582	4,160	5,850	5,000	1,160	1,100	750	1,850	220
15	3,080	70	1,400	775	3,980	6,120	4,490	1,060	570	677	1,600	110
16	2,620	120	1,340	457	3,920	5,160	4,560	975	975	629	1,530	80
17	900	1,040	468	1,040	3,380	4,420	4,350	701	1,340	605	570	148
18	775	582	240	1,360	2,450	4,160	4,350	725	1,530	725	1,100	314
19	1,530	629	582	2,370	1,810	4,220	4,420	1,180	1,220	677	1,220	524
20	1,400	38	70	2,450	1,400	4,100	3,680	1,040	1,220	435	1,060	502
21	725	14	70	2,250	2,530	3,280	4,560	1,000	1,400	629	1,060	750
22	1,160	570	70	2,290	2,450	4,040	5,080	1,040	290	701	1,120	435
23	1,120	629	513	2,410	1,460	5,000	5,160	1,120	629	800	1,240	900
24	1,100	775	605	2,370	2,620	5,850	5,240	252	1,340	677	391	1,220
25	2,010	1,240	2,130	2,620	2,210	6,120	5,400	457	925	653	1,060	860
26	1,700	110	1,970	2,530	975	5,490	5,490	303	725	750	1,120	457
27	1,340	240	1,460	2,370	347	4,280	4,700	380	1,340	582	1,600	336
28	1,160	150	1,970	3,280	925	4,560	4,700	570	457	369	1,670	1,420
29	1,160	40	825	4,350	-----	4,840	4,560	347	240	559	1,560	925
30	825	190	950	4,840	-----	4,920	4,280	292	582	605	1,460	582
31	160	-----	1,780	5,000	-----	4,630	-----	279	-----	825	605	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,160	160	2,690	1.62	1.87
November	1,240	14	604	.364	.41
December	2,170	21	1,010	.608	.70
January	5,000	325	1,790	1.08	1.24
February	6,750	347	3,590	2.16	2.25
March	6,120	402	3,900	2.35	2.71
April	7,840	3,680	4,960	2.99	3.35
May	3,920	252	1,150	.693	.80
June	1,530	240	817	.492	.55
July	1,060	240	630	.397	.44
August	1,890	391	1,190	.717	.83
September	1,420	80	711	.428	.43
The year	7,840	14	1,910	1.16	15.63

APALACHICOLA RIVER BASIN

CHATTAHOOCHEE RIVER NEAR VININGS, GA.

LOCATION.—Water-stage recorder at highway bridge 1 mile southeast of Vining, Cobb County, 2¼ miles above Peach Tree Creek.

DRAINAGE AREA.—1,450 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 16,800 second-feet Mar. 9 (gage height, 11.96 feet); minimum, 610 second-feet Sept. 2 (gage height, estimated, 1.9 feet).

1928-1930: Maximum discharge, 28,700 second-feet Sept. 28, 1929 (gage height, 18.84 feet); minimum, that of Sept. 2, 1930.

REMARKS.—Records good. Flow regulated by power plants above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	6,630	2,400	3,660	3,340	4,360	2,560	2,780	2,080	1,830	1,480	1,890	670
2	10,500	2,480	3,920	3,340	4,270	2,630	2,700	2,080	1,770	1,190	1,280	610
3	8,030	3,740	4,090	3,660	4,090	2,480	3,100	1,960	1,770	1,190	1,360	670
4	5,060	6,630	4,180	3,740	4,270	2,400	3,660	2,080	1,710	1,160	1,090	670
5	4,270	6,280	3,660	3,340	6,460	2,400	3,420	2,220	1,710	1,120	966	700
6	4,360	4,000	3,500	3,260	6,980	2,860	3,580	2,080	1,960	1,100	910	966
7	3,920	3,830	3,830	3,180	5,060	9,780	3,920	1,890	2,420	1,030	842	2,490
8	3,420	5,760	4,360	3,180	4,440	14,700	3,420	1,890	2,420	1,040	1,010	1,050
9	3,260	4,880	4,180	3,020	4,090	11,500	3,020	2,350	1,890	1,030	1,210	966
10	3,020	3,740	3,740	2,940	3,920	5,230	2,860	2,780	1,710	1,060	1,140	918
11	2,940	3,420	3,500	2,860	3,740	4,530	2,780	2,630	1,710	998	934	982
12	2,780	9,260	3,500	2,860	3,660	4,090	2,780	3,480	1,650	910	926	1,100
13	2,780	12,800	3,260	2,860	3,660	3,740	2,700	3,400	1,530	950	849	942
14	2,560	11,900	3,180	2,940	3,740	3,580	2,560	3,830	1,650	1,030	800	966
15	2,700	9,600	3,180	4,000	3,920	3,420	2,700	4,700	1,830	1,210	800	1,140
16	2,330	11,000	3,100	5,580	3,340	3,260	2,560	3,740	1,650	1,530	835	2,080
17	2,560	8,730	3,180	4,530	3,260	3,260	2,400	3,240	1,710	1,220	800	2,420
18	2,480	6,980	3,260	3,660	3,180	3,340	2,400	4,700	1,830	1,290	765	2,220
19	2,330	6,280	3,500	3,420	3,100	4,000	2,560	3,660	1,770	1,480	814	1,400
20	2,400	5,580	3,920	3,180	3,020	4,260	2,560	3,660	1,480	1,260	870	1,190
21	2,480	4,880	3,420	3,260	2,860	3,920	2,400	2,920	1,530	1,140	670	1,190
22	3,260	4,530	3,340	3,740	2,780	3,600	2,260	2,700	1,420	1,110	1,420	1,380
23	3,100	4,180	3,580	4,090	2,780	3,340	2,260	2,490	1,420	1,040	1,030	1,170
24	2,780	4,360	3,500	3,830	2,700	3,340	2,180	2,420	1,420	1,590	934	1,360
25	2,400	4,000	3,340	3,420	2,860	3,340	2,180	2,350	1,420	1,410	910	1,280
26	2,400	4,880	3,340	3,340	2,560	3,260	2,100	2,150	1,400	1,270	828	1,140
27	2,260	5,930	3,340	3,180	2,560	3,180	2,100	2,080	1,400	1,130	800	1,190
28	2,260	4,880	3,660	4,000	2,630	2,940	2,100	2,020	1,280	1,230	807	1,290
29	2,260	4,270	3,740	5,060	-----	2,780	2,100	2,020	1,270	1,080	758	1,050
30	2,530	3,920	3,660	5,230	-----	2,860	2,040	1,890	1,240	1,050	765	1,030
31	2,260	-----	3,420	4,700	-----	2,780	-----	1,890	-----	1,240	870	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	10,500	2,260	3,420	2.36	2.72
November	12,800	2,400	5,840	4.03	4.50
December	4,360	3,100	3,580	2.47	2.85
January	5,580	2,860	3,640	2.51	2.89
February	6,980	2,560	3,720	2.57	2.68
March	14,700	2,400	4,170	2.88	3.32
April	3,920	2,040	2,670	1.84	2.05
May	4,700	1,890	2,690	1.86	2.14
June	2,420	1,240	1,660	1.14	1.27
July	1,590	910	1,180	.814	.94
August	1,890	670	.964	.665	.77
September	2,490	610	1,210	.834	.98
The year	14,700	610	2,890	1.99	27.06

CHATTAHOOCHEE RIVER AT FRANKLIN, GA.

LOCATION.—Staff gage at highway bridge one-fourth mile southwest of Franklin, Heard County.

DRAINAGE AREA.—2,710 square miles.

RECORDS AVAILABLE.—October, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 24,500 second-feet Nov. 15 (gage height, 14.70 feet); minimum, 700 second-feet Sept. 4 (gage height, 3.53 feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,400	3,030	4,790	4,430	6,830	4,070	4,070	2,860	2,690	2,020	1,700	880
2	14,700	3,030	4,790	4,430	6,230	4,070	4,070	2,860	2,690	1,700	1,700	880
3	12,600	3,370	4,790	5,150	6,050	4,070	5,690	2,690	2,520	1,540	1,700	785
4	10,200	6,050	4,970	4,970	6,630	3,890	5,330	3,030	2,520	1,400	1,470	700
5	6,830	8,350	5,150	4,610	7,690	3,710	5,150	3,370	2,350	1,330	1,470	1,030
6	6,630	6,830	4,970	4,430	9,270	4,250	4,970	2,860	2,860	1,260	1,140	1,140
7	6,230	4,970	4,790	4,430	8,810	16,900	4,970	2,860	3,200	1,260	1,080	1,400
8	5,510	7,030	5,150	4,430	6,630	21,400	4,970	2,690	3,030	1,260	1,080	3,030
9	5,150	7,470	6,230	4,250	5,510	20,100	4,430	2,690	3,030	1,200	1,540	4,070
10	4,790	5,510	5,510	4,070	5,150	17,800	4,070	3,200	2,690	1,140	1,540	9,500
11	4,610	4,610	4,970	4,070	4,970	7,690	3,890	4,430	2,350	1,140	1,470	7,690
12	4,430	15,000	4,790	4,070	4,790	6,430	3,890	4,790	2,350	1,140	1,330	2,860
13	4,070	19,400	4,430	4,070	4,790	5,870	3,710	4,430	2,260	1,200	1,080	3,200
14	3,710	17,800	4,430	4,070	5,150	5,330	3,710	8,130	2,180	2,100	1,030	2,350
15	3,540	23,800	4,430	4,790	4,430	5,150	3,710	7,030	2,180	1,780	930	1,620
16	3,370	18,400	4,430	6,230	4,790	4,790	3,710	8,130	2,180	4,070	880	2,350
17	3,030	17,600	4,610	6,430	4,430	4,790	3,710	5,690	2,260	2,860	1,200	3,710
18	3,200	16,400	4,610	5,330	4,430	4,970	3,540	6,050	2,260	2,690	1,540	3,370
19	3,200	12,100	4,970	4,610	4,430	6,230	3,890	11,100	2,260	2,350	2,520	3,030
20	3,200	8,350	4,970	4,430	4,250	6,630	3,710	9,400	2,260	2,690	830	9,270
21	3,540	6,630	4,790	4,430	4,250	5,870	3,540	7,250	2,020	2,260	930	6,630
22	4,070	6,230	4,610	4,790	4,070	5,330	3,370	5,510	1,860	1,330	1,260	3,200
23	4,250	6,230	4,970	5,510	4,070	4,970	3,200	4,250	1,860	1,700	1,540	3,200
24	3,890	6,050	4,790	5,330	4,070	4,790	3,200	4,250	1,780	3,370	1,400	3,200
25	3,370	5,870	4,430	4,790	4,070	4,790	3,030	3,030	1,860	2,350	1,140	1,860
26	3,200	6,230	4,430	4,430	4,250	4,610	3,200	4,970	1,700	2,180	1,030	2,180
27	3,030	7,690	4,430	4,610	4,250	4,610	3,200	3,370	1,700	1,780	930	1,860
28	3,030	7,470	4,430	7,690	4,070	4,430	3,030	3,030	1,700	1,860	880	1,700
29	3,030	6,050	4,430	10,200	-----	4,250	3,030	3,030	1,620	1,620	880	1,620
30	3,030	5,150	4,430	12,100	-----	4,250	3,030	2,860	1,700	1,540	880	1,330
31	3,030	-----	4,430	8,350	-----	4,070	-----	2,690	-----	1,700	830	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	14,700	3,030	5,060	1.87	2.16
November	23,800	3,030	9,090	3.35	3.74
December	6,230	4,430	4,770	1.76	2.03
January	12,100	4,070	5,840	1.97	2.27
February	9,270	4,070	5,320	1.96	2.04
March	21,400	3,710	6,750	2.50	2.88
April	5,690	3,030	3,900	1.44	1.61
May	11,100	2,690	3,590	1.69	1.95
June	3,200	1,620	2,260	.834	.93
July	4,070	1,140	1,870	.690	.80
August	2,520	830	1,260	.465	.54
September	9,500	700	2,990	1.10	1.23
The year	23,800	700	4,430	1.63	22.18

CHATTAHOOCHEE RIVER AT WEST POINT, GA.

LOCATION.—Water-stage recorder just below Oseligee Creek and 1 mile upstream from West Point, Troup County.

DRAINAGE AREA.—3,550 square miles.

RECORDS AVAILABLE.—July, 1896, to September, 1930.

EXTREMES.—Maximum discharge during year, 28,200 second-feet Nov. 16 (gage height, 13.55 feet); minimum, 656 second-feet Sept. 4 (gage height, 2.20 feet).

1896-1930: Maximum discharge, 134,000 second-feet Dec. 10, 1919 (gage height, 30.0 feet); minimum, 224 second-feet Sept. 12, 1925 (gage height, 1.64 feet).

REMARKS.—Records good. Slight diurnal fluctuation caused by power plants above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	15,700	3,750	6,490	5,490	10,800	5,490	4,800	3,480	3,300	2,140	2,080	1,090
2.....	19,600	3,940	7,330	5,690	8,800	7,120	4,800	3,480	2,940	2,100	2,420	1,090
3.....	19,600	4,130	8,170	7,120	7,960	6,090	8,380	3,570	2,760	2,100	2,600	1,080
4.....	14,400	5,690	7,960	7,330	8,800	5,090	10,600	3,480	2,760	1,810	1,970	771
5.....	8,800	8,380	7,330	6,490	10,800	4,800	7,960	3,940	3,120	1,740	1,940	1,860
6.....	7,960	9,020	6,490	5,890	9,910	4,700	7,120	3,570	4,320	1,710	1,600	1,970
7.....	7,540	6,910	6,090	5,490	11,300	14,100	6,700	3,390	4,320	1,660	1,440	1,460
8.....	6,700	8,590	6,700	5,290	8,590	24,600	6,490	3,660	3,840	1,570	1,550	1,890
9.....	5,890	10,400	7,540	5,090	7,330	21,300	6,090	3,570	3,660	1,570	2,280	2,420
10.....	5,290	7,960	6,700	5,090	6,700	20,700	5,290	3,750	3,120	1,540	2,260	4,220
11.....	5,090	6,490	6,090	5,090	6,090	12,300	4,990	4,510	2,760	1,420	2,260	13,100
12.....	4,800	14,600	5,690	4,990	5,890	8,590	4,890	5,490	2,680	1,440	1,890	8,380
13.....	4,600	25,200	5,490	4,890	5,690	7,330	4,890	6,490	2,680	1,600	1,480	5,890
14.....	4,420	20,400	5,490	4,600	6,090	6,910	4,700	10,100	2,760	1,780	1,360	4,420
15.....	4,220	24,000	5,490	5,090	6,290	6,490	4,510	10,400	2,760	4,320	1,260	2,760
16.....	4,040	25,800	6,090	5,490	6,290	6,090	4,320	7,330	2,680	4,700	1,260	3,030
17.....	4,130	21,600	5,290	7,330	5,890	5,890	4,320	7,330	2,760	3,660	1,250	4,800
18.....	3,940	21,000	5,690	7,330	5,290	5,890	4,320	6,910	2,850	3,210	1,420	4,510
19.....	3,940	14,400	6,090	6,090	5,290	7,750	4,700	12,600	2,760	2,850	1,520	3,940
20.....	4,040	11,300	6,290	5,490	5,090	9,240	4,800	11,800	2,680	2,940	1,600	6,910
21.....	4,130	9,240	6,090	5,290	5,090	7,960	4,220	9,020	2,680	2,940	1,260	12,800
22.....	5,690	8,170	6,090	6,290	5,090	7,120	4,130	6,910	2,420	2,100	1,400	5,690
23.....	5,490	7,750	6,490	7,330	5,090	6,490	3,840	6,490	2,260	1,810	1,580	4,040
24.....	5,090	7,750	6,290	6,910	4,990	6,090	3,750	6,090	2,140	4,510	2,070	2,940
25.....	4,600	7,120	6,090	6,700	4,890	6,090	3,840	5,490	2,170	4,800	1,570	2,420
26.....	4,220	7,750	5,890	6,020	4,990	5,890	3,940	4,320	2,260	3,030	1,360	2,760
27.....	4,130	9,460	5,890	5,690	4,700	5,490	4,040	3,750	2,070	2,600	1,280	2,420
28.....	3,840	9,680	5,690	8,800	4,800	5,490	3,750	3,480	2,070	2,420	1,150	2,260
29.....	3,750	8,800	6,090	15,200	5,290	3,570	3,300	3,000	2,070	2,340	1,080	2,080
30.....	3,750	7,120	5,890	18,500	5,090	3,480	3,390	3,390	1,970	2,000	1,020	2,120
31.....	3,750	-----	5,690	14,900	-----	4,990	-----	3,390	-----	1,900	1,010	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	19,600	3,750	6,550	1.85	2.13
November.....	25,800	3,750	11,200	3.15	3.51
December.....	8,170	5,290	6,260	1.76	2.03
January.....	18,500	4,600	7,030	1.98	2.28
February.....	11,300	4,700	6,730	1.90	1.98
March.....	24,600	4,700	8,270	2.33	2.69
April.....	10,600	3,480	5,110	1.44	1.61
May.....	12,600	3,300	5,630	1.59	1.83
June.....	4,320	1,970	2,780	.783	.87
July.....	4,800	1,420	2,460	.693	.80
August.....	2,600	1,010	1,620	.456	.53
September.....	13,100	771	3,840	1.08	1.20
The year.....	25,800	771	5,620	1.58	21.46

CHATTAHOOCHEE RIVER AT COLUMBUS, GA.

LOCATION.—Water-stage recorder at Central of Georgia Railway bridge in Columbus, Muscogee County, half a mile below Eagle and Phoenix Dam and 1¼ miles below City Mills Dam. Zero of gage is 185.25 feet above mean sea level.

DRAINAGE AREA.—4,670 square miles.

RECORDS AVAILABLE.—December, 1912; August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 42,000 second-feet Oct. 1 (gage height, 24.10 feet); minimum, 1,130 second-feet Aug. 22 (gage height, 1.56 feet).

1912, 1929–30: Maximum discharge, that of Oct. 1, 1929; minimum, that of Aug. 22, 1930.

Maximum stage known, 53.2 feet Mar. 15, 1929.

REMARKS.—Records fair. Considerable diurnal fluctuation caused by several power dams above station.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	35,500	5,870	9,650	7,210	15,100	10,600	7,500	6,020	4,250	3,430	2,100	1,370
2.....	30,600	5,480	9,650	8,470	11,800	22,100	7,360	4,250	3,770	2,330	2,150	1,790
3.....	14,700	4,040	16,100	11,400	9,200	12,800	15,700	4,130	4,010	2,420	1,310	1,720
4.....	19,700	4,390	14,100	13,800	14,100	11,000	20,400	2,800	3,890	1,680	2,240	1,750
5.....	13,300	4,630	12,400	4,630	19,100	9,650	25,400	3,000	4,250	1,540	2,210	1,680
6.....	7,210	5,110	10,400	7,350	12,500	9,050	23,200	4,610	6,540	1,610	2,320	1,340
7.....	8,750	6,930	12,200	8,610	11,000	19,500	15,000	4,250	4,250	2,030	2,770	1,340
8.....	7,490	7,210	7,210	8,050	10,700	36,700	10,700	4,250	4,490	2,600	3,320	1,790
9.....	8,750	13,600	5,740	7,770	9,800	30,200	8,200	4,250	4,370	2,510	1,680	2,070
10.....	8,190	10,700	8,610	7,350	13,100	21,800	7,500	4,250	4,010	2,330	1,540	2,510
11.....	8,190	7,770	9,500	6,930	8,330	21,600	6,800	2,700	4,010	1,790	2,240	4,370
12.....	7,770	14,700	9,200	5,740	8,470	11,000	6,280	3,210	4,010	1,400	2,900	6,150
13.....	5,740	27,500	8,330	7,070	6,650	8,200	4,730	5,630	3,890	1,470	3,770	8,060
14.....	6,390	24,100	7,770	8,190	7,910	7,080	6,540	6,670	3,890	1,950	3,320	6,540
15.....	7,910	24,500	8,190	8,470	10,700	6,670	6,940	9,200	3,770	2,330	1,750	4,730
16.....	7,770	33,600	10,100	8,610	10,200	7,640	6,800	7,360	3,890	2,900	1,400	5,760
17.....	7,630	25,500	7,630	8,050	6,930	6,540	6,670	9,500	3,890	3,540	1,190	5,890
18.....	7,490	24,900	7,770	8,190	9,200	8,340	6,800	8,060	3,890	2,150	1,750	6,020
19.....	5,870	16,800	8,330	8,050	8,610	20,000	5,500	11,700	3,890	1,680	2,200	5,890
20.....	4,390	12,500	8,190	9,050	8,610	13,700	3,000	13,000	3,890	1,680	2,150	7,220
21.....	5,480	12,800	7,770	9,050	8,330	8,200	4,490	12,000	3,770	2,110	1,910	12,200
22.....	7,910	11,400	7,350	8,330	7,350	7,080	6,940	6,280	2,700	2,800	1,610	9,350
23.....	7,350	9,200	9,200	9,050	3,710	6,410	6,800	6,800	2,800	2,800	1,310	6,540
24.....	6,930	9,500	11,600	9,650	8,050	8,340	6,800	6,800	3,890	3,000	1,220	6,020
25.....	7,070	8,900	6,130	8,750	8,470	8,340	6,410	5,110	3,890	3,320	1,790	5,890
26.....	6,520	13,000	9,200	7,630	8,050	8,060	5,370	6,280	3,890	3,890	2,070	5,890
27.....	4,630	12,800	8,050	9,200	8,190	7,360	3,000	6,280	3,890	2,510	2,030	5,630
28.....	4,390	11,200	7,770	10,400	8,750	7,500	3,320	6,410	3,770	2,600	1,950	4,250
29.....	6,650	11,600	8,610	27,100	-----	7,360	5,890	6,670	2,600	3,540	1,720	4,250
30.....	6,930	10,600	7,630	28,400	-----	6,540	6,020	6,670	2,600	3,540	1,540	4,130
31.....	5,610	-----	8,900	24,300	-----	5,500	-----	4,250	-----	3,430	1,280	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	35,500	4,300	9,450	2.02	2.33
November.....	33,600	4,040	13,000	2.78	3.10
December.....	16,100	5,740	9,140	1.96	2.26
January.....	28,400	5,740	10,200	2.18	2.61
February.....	19,100	3,710	9,750	2.09	2.18
March.....	36,700	5,500	12,100	2.59	2.99
April.....	25,400	3,000	8,540	1.83	2.04
May.....	13,000	2,700	6,210	1.33	1.53
June.....	6,500	2,600	3,890	.833	.93
July.....	3,890	1,400	2,480	.531	.61
August.....	3,770	1,190	2,150	.460	.53
September.....	12,200	1,940	4,740	1.01	1.13
The year.....	36,700	1,190	7,620	1.63	22.14

CHATTAHOOCHEE RIVER AT COLUMBIA, ALA.

LOCATION.—Water-stage recorder in T. 4 N., R. 29 E. St. Stephens meridian, at highway bridge one-fourth mile below Central of Georgia Railway and half a mile east of Columbia.

DRAINAGE AREA.—8,040 square miles.

RECORDS AVAILABLE.—July, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 105,000 second-feet Oct. 2 (gage height, 45.55 feet); minimum, 2,220 second-feet Sept. 3 (gage height, 2.89 feet).

1928-1930: Maximum discharge, 203,000 second-feet Mar. 18, 1929 (gage height, 56.05 feet), minimum, that of Sept. 3, 1930.

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43,400	8,550	13,800	11,600	36,400	12,200	11,300	8,430	8,430	4,360	8,430	2,660
2	92,200	8,070	12,500	11,300	25,900	21,700	11,000	8,540	6,120	4,580	7,660	2,480
3	96,200	7,950	16,700	10,800	19,100	33,400	12,600	7,980	5,900	5,350	6,450	2,300
4	64,200	8,310	24,100	11,300	15,700	29,800	24,600	6,880	5,790	4,470	4,910	2,660
5	38,100	10,300	22,000	14,600	19,500	19,300	34,200	6,670	6,010	4,150	3,450	2,950
6	25,000	9,630	17,800	12,900	26,700	14,600	30,200	5,460	6,670	3,450	3,750	3,350
7	16,200	8,670	15,200	12,200	22,800	13,600	23,400	5,790	8,890	3,050	5,020	3,450
8	13,200	9,510	14,500	9,750	16,800	24,000	14,600	6,780	10,100	3,250	5,350	2,950
9	12,900	9,390	16,800	9,630	15,100	37,900	12,900	6,780	7,660	3,350	5,900	2,570
10	12,600	11,600	11,000	10,100	13,800	39,100	13,300	6,780	7,220	4,250	5,460	2,850
11	12,000	14,400	9,750	9,630	13,800	30,600	12,600	6,560	6,560	4,360	4,150	3,450
12	11,200	12,500	11,600	9,030	14,600	27,600	11,700	6,230	6,120	4,050	3,350	7,110
13	11,000	13,500	11,600	9,030	12,400	20,000	11,000	5,350	6,230	3,450	4,580	9,370
14	10,300	25,600	11,000	8,070	10,100	15,000	10,300	5,790	6,120	3,150	5,350	9,010
15	8,790	29,000	10,300	10,700	10,300	12,500	9,370	8,210	6,230	3,250	5,680	9,370
16	9,270	34,200	9,890	12,500	13,800	11,800	10,600	9,010	6,340	5,240	5,130	8,650
17	9,750	38,700	9,750	12,900	16,200	12,800	10,400	10,900	6,450	6,230	3,850	9,370
18	9,750	37,200	12,400	11,800	12,900	11,300	10,300	9,610	6,590	6,670	3,550	10,600
19	9,510	32,000	11,000	11,300	12,000	15,400	10,900	12,200	6,450	6,230	2,850	10,400
20	9,030	27,100	11,300	11,200	11,700	31,200	10,700	9,730	6,120	4,800	4,050	9,610
21	8,310	17,800	10,800	10,800	11,200	29,400	8,890	15,600	6,010	3,650	5,460	9,490
22	7,590	15,200	10,300	13,000	10,900	21,600	7,220	14,200	5,900	3,450	4,910	11,300
23	8,550	16,000	19,500	16,800	10,700	16,500	9,010	11,700	5,350	3,550	3,350	15,600
24	9,510	14,200	21,200	15,900	8,910	15,100	9,850	9,250	4,470	4,360	3,550	10,700
25	9,150	12,800	18,300	14,200	7,710	14,200	9,610	9,130	5,790	4,580	3,050	8,890
26	8,550	12,600	13,600	13,000	10,800	14,200	9,490	9,490	5,680	4,800	2,660	8,320
27	8,310	14,000	11,300	11,300	10,700	13,500	8,650	7,330	5,790	7,000	2,950	9,810
28	8,310	18,400	11,600	11,600	10,500	12,900	8,100	8,210	5,570	8,100	3,650	10,100
29	7,350	16,800	11,400	14,600	13,500	6,010	8,210	5,460	7,990	3,650	8,650	
30	6,870	14,400	11,800	33,400	13,600	6,780	8,210	5,240	7,000	3,450	7,660	
31	8,310		12,100	40,800		12,200		8,650		7,220	2,950	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	96,200	6,870	19,500	2.43	2.80
November	38,700	7,950	16,900	2.10	2.34
December	24,100	9,750	13,700	1.70	1.96
January	40,800	8,070	13,400	1.67	1.92
February	36,400	7,710	15,000	1.87	1.95
March	39,100	11,300	19,700	2.45	2.82
April	34,200	6,010	12,700	1.58	1.76
May	15,600	5,350	8,510	1.06	1.22
June	10,100	4,470	6,390	.795	.89
July	8,100	3,050	4,820	.600	.69
August	8,430	2,850	4,470	.556	.64
September	15,600	2,300	7,160	.893	1.00
The year	96,200	2,300	11,800	1.47	19.99

APALACHICOLA RIVER NEAR RIVER JUNCTION, FLA.

LOCATION.—Water-stage recorder at Louisville & Nashville Railroad bridge 1 mile below confluence of Flint and Chattahoochee Rivers and 1½ miles west of River Junction, Gadsden County.

DRAINAGE AREA.—17,100 square miles.

RECORDS AVAILABLE.—December, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 87,700 second-feet Oct. 5 (gage height, 21.00 feet); minimum, 7,080 second-feet Sept. 9 (gage height, -0.20 foot).

1928-1930: Maximum discharge, 293,000 second-feet Mar. 20, 1929 (gage height, 34.70 feet); minimum, that of Sept. 9, 1930.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37,700	18,600	27,600	27,000	50,500	24,000	30,900	19,600	16,700	11,600	15,100	8,260
2	50,500	17,900	27,000	26,500	50,100	27,300	29,200	20,500	15,100	11,300	16,200	7,900
3	63,700	17,200	27,300	25,100	46,000	36,500	29,200	20,600	14,200	11,300	15,600	8,000
4	79,600	17,000	32,300	24,800	42,800	42,800	33,700	19,400	13,800	11,600	15,300	7,900
5	86,800	18,400	35,500	26,200	41,400	41,400	40,300	18,200	13,800	10,900	15,600	7,900
6	80,500	20,200	34,300	28,600	44,500	36,800	45,600	17,400	13,800	10,100	14,400	7,900
7	64,400	19,900	31,700	26,500	47,200	34,900	45,600	16,200	14,400	9,700	13,800	8,260
8	54,700	19,200	30,000	22,700	45,300	35,800	42,800	16,200	17,000	8,980	14,000	8,260
9	51,400	19,600	30,900	24,000	42,400	43,800	38,400	16,700	17,900	9,340	13,300	7,240
10	49,200	21,200	30,600	23,800	40,300	51,400	37,400	16,700	16,200	9,700	13,300	7,400
11	47,500	24,600	27,000	23,200	38,000	53,200	37,100	16,500	15,800	10,300	12,500	8,080
12	45,600	25,100	26,500	22,500	37,100	50,500	36,200	16,000	15,300	9,500	10,500	9,160
13	43,100	23,000	27,300	21,700	35,500	47,500	34,900	15,800	14,600	9,520	10,300	12,700
14	39,400	27,600	26,700	21,200	32,900	42,800	33,400	14,900	14,600	8,800	11,100	15,600
15	34,000	34,900	25,100	21,200	29,700	38,700	30,500	15,800	14,200	8,620	11,600	16,400
16	28,600	39,000	23,500	23,800	28,900	36,200	28,400	17,900	14,000	8,980	11,900	15,100
17	26,700	43,100	23,500	25,400	31,100	34,600	28,100	19,400	13,500	10,500	11,600	15,100
18	25,100	45,600	23,500	26,200	32,300	34,000	27,800	20,400	14,000	11,100	11,100	17,000
19	24,000	44,900	24,800	26,200	31,100	32,600	29,200	19,500	14,600	12,300	10,300	18,900
20	23,000	42,800	23,800	25,900	28,500	37,100	28,500	21,700	14,200	13,800	10,100	19,400
21	21,200	38,400	23,500	26,200	27,600	43,800	28,400	21,900	14,000	12,900	10,700	19,400
22	19,600	33,700	23,200	27,000	28,400	44,200	27,800	24,600	14,400	11,300	11,500	19,600
23	19,200	32,000	25,400	30,300	27,800	41,400	26,700	24,000	14,400	11,900	11,100	23,500
24	20,600	31,100	34,000	32,600	26,200	39,000	27,600	21,700	13,100	11,600	10,500	25,100
25	19,400	28,900	34,300	32,000	23,500	37,100	27,300	19,200	12,500	12,100	9,520	21,900
26	18,600	27,600	33,200	30,600	23,000	36,500	26,500	18,600	12,700	11,900	8,440	19,500
27	18,600	26,500	29,200	30,300	24,300	36,200	25,100	18,400	13,100	11,600	8,620	22,500
28	18,900	28,600	27,800	29,200	24,300	35,500	23,500	16,700	13,100	13,300	9,160	23,800
29	17,700	30,300	27,600	29,700	-----	34,900	21,900	17,000	12,900	14,600	9,520	23,800
30	16,500	29,200	27,600	35,500	-----	33,700	19,400	16,700	12,300	15,300	9,340	21,200
31	17,000	-----	27,800	46,400	-----	32,900	-----	16,500	-----	14,900	8,980	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	86,800	16,500	37,500	2.19	2.52
November	45,600	17,000	28,200	1.65	1.84
December	35,500	23,200	28,100	1.64	1.89
January	46,400	21,200	27,200	1.59	1.83
February	50,500	23,000	35,000	2.05	2.14
March	53,200	24,000	38,600	2.26	2.61
April	45,600	19,400	31,400	1.84	2.05
May	24,600	14,900	18,600	1.09	1.26
June	17,900	12,300	14,300	.836	.63
July	15,300	8,620	11,300	.661	.76
August	16,200	8,440	11,800	.690	.80
September	25,100	7,240	14,900	.871	.97
The year	86,800	7,240	24,700	1.44	19.60

SOQUE RIVER NEAR DEMOREST, GA.

LOCATION.—Water-stage recorder at highway bridge $2\frac{1}{2}$ miles northwest of Demorest, Habersham County, and 3 miles above mouth.

DRAINAGE AREA.—154 square miles.

RECORDS AVAILABLE.—July, 1904, to June, 1909; May, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 2,880 second-feet Mar. 7 (gage height, 7.46 feet); minimum, 4 second-feet Aug. 30 (gage height, 0.68 foot). 1904-1909, 1929-30: Maximum gage height, 17.0 feet Aug. 18, 1906 (discharge not determined); minimum discharge, that of Aug. 30, 1930.

REMARKS.—Records poor below 90 second-feet and fair above. Flow regulated by power plants above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	1,680	308	420	371	405	339	364	279	231	196	175	86
2-----	1,330	322	522	382	408	343	382	279	231	175	153	58
3-----	630	610	514	450	442	339	439	282	225	159	148	60
4-----	510	670	458	382	870	339	394	288	216	175	148	68
5-----	470	474	427	375	870	332	368	269	246	140	142	86
6-----	412	390	420	375	570	394	550	266	375	159	131	88
7-----	394	361	420	368	498	2,040	427	269	308	170	216	95
8-----	368	394	450	364	458	848	390	288	266	204	196	105
9-----	350	382	416	361	431	590	368	371	285	164	145	110
10-----	339	361	408	357	423	514	361	339	246	164	159	93
11-----	329	450	405	339	405	490	350	394	240	129	140	88
12-----	325	1,230	397	339	401	458	332	390	234	118	129	105
13-----	322	1,430	390	343	442	435	336	375	272	129	105	113
14-----	319	825	379	343	450	420	339	610	279	159	121	126
15-----	298	1,210	375	650	412	412	325	442	253	156	90	170
16-----	295	870	375	518	405	405	322	357	240	167	121	298
17-----	288	712	368	435	375	427	322	343	256	148	108	193
18-----	285	650	490	408	375	470	375	397	240	167	126	134
19-----	275	590	530	390	375	550	336	462	213	170	113	126
20-----	285	550	439	371	371	470	325	386	198	148	100	153
21-----	361	510	397	368	368	431	322	339	204	159	123	159
22-----	382	490	405	427	394	427	319	322	207	123	140	126
23-----	312	490	431	379	382	420	312	322	213	140	93	113
24-----	288	478	412	386	382	408	305	305	204	129	121	123
25-----	279	470	405	375	375	405	305	288	207	105	134	161
26-----	269	530	401	368	371	386	285	275	198	142	116	167
27-----	279	590	405	361	350	375	288	269	213	140	95	126
28-----	275	550	412	412	343	364	292	259	198	134	90	116
29-----	272	510	412	412	-----	375	288	253	198	142	78	134
30-----	282	427	397	412	-----	382	282	243	184	486	31	113
31-----	288	-----	382	412	-----	379	-----	243	-----	308	53	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	1,680	269	413	2.68	3.09
November-----	1,430	308	594	3.86	4.31
December-----	530	368	421	2.73	3.15
January-----	650	339	395	2.56	2.95
February-----	870	343	441	2.86	2.98
March-----	2,040	332	483	3.14	3.62
April-----	550	282	347	2.25	2.51
May-----	610	243	329	2.14	2.47
June-----	375	184	236	1.53	1.71
July-----	486	105	168	1.09	1.26
August-----	216	31	124	.805	.93
September-----	298	58	123	.799	.89
The year-----	2,040	31	339	2.20	29.87

CHESTATEE RIVER NEAR DAHLONEGA, GA.

LOCATION.—Water-stage recorder at Bearden Bridge 2 miles below Ballplay Creek and 2½ miles east of Dahlonega, Lumpkin County.

DRAINAGE AREA.—153 square miles.

RECORDS AVAILABLE.—July, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 5,450 second-feet Mar. 7 (gage height, 10.3 feet); minimum, 57 second-feet Sept. 3 (gage height, 1.03 feet).

1929-30: Maximum discharge, 7,300 second-feet Sept. 25, 1929 (gage height, 12.64 feet); minimum, that of Sept. 3, 1930.

REMARKS.—Records good for low and medium stages and fair for high stages. Slight regulation caused by small dam above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	820	349	490	401	450	353	366	277	266	185	124	86
2.....	720	398	606	412	470	353	398	277	260	188	185	83
3.....	562	1,510	544	436	510	343	486	283	257	188	127	82
4.....	502	1,040	498	398	1,210	343	426	330	243	185	114	81
5.....	510	611	486	390	958	340	394	271	277	180	108	85
6.....	482	506	478	387	670	446	470	266	422	178	105	112
7.....	443	498	506	380	575	3,280	408	263	336	173	102	105
8.....	426	526	522	377	514	1,070	384	494	271	175	115	102
9.....	401	478	478	373	486	720	373	470	254	161	107	105
10.....	380	443	462	370	466	602	356	387	213	161	127	105
11.....	370	770	450	363	446	575	353	770	232	168	105	120
12.....	356	2,110	443	360	436	522	346	616	229	159	98	129
13.....	346	1,360	436	363	462	490	343	695	240	152	97	106
14.....	336	1,270	429	366	482	462	353	1,010	263	154	98	100
15.....	330	2,370	426	611	446	436	343	566	254	159	112	200
16.....	324	1,420	422	458	432	422	333	478	246	154	97	180
17.....	317	1,240	415	415	412	440	327	443	271	134	92	190
18.....	314	1,040	490	404	408	474	360	478	243	144	93	125
19.....	314	848	530	387	398	606	327	490	221	148	92	134
20.....	314	745	458	373	387	514	314	446	213	132	93	173
21.....	390	665	426	394	380	470	314	394	221	118	100	154
22.....	398	650	440	506	377	462	308	373	234	118	129	129
23.....	327	630	443	443	377	443	302	356	229	136	105	111
24.....	314	588	422	412	373	429	298	349	223	132	98	117
25.....	305	557	415	394	363	436	292	327	234	157	95	124
26.....	302	770	415	387	373	412	292	317	210	157	93	213
27.....	292	630	432	380	356	394	283	314	203	134	93	161
28.....	295	580	470	466	349	387	283	295	182	124	90	117
29.....	302	544	450	446	-----	387	283	292	200	115	90	110
30.....	305	506	429	462	-----	380	280	289	190	144	85	110
31.....	308	-----	408	450	-----	373	-----	271	-----	146	87	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	820	292	390	2.55	2.94
November.....	2,370	349	855	5.59	6.24
December.....	606	408	462	3.02	3.48
January.....	611	360	412	2.69	3.10
February.....	1,210	349	484	3.16	3.29
March.....	3,280	340	560	3.66	4.22
April.....	486	280	346	2.28	2.52
May.....	1,010	263	416	2.72	3.14
June.....	422	182	245	1.60	1.78
July.....	188	115	154	1.01	1.16
August.....	185	85	105	.686	.79
September.....	213	81	125	.817	.91
The year.....	3,280	81	378	2.47	33.57

FLINT RIVER NEAR CULLODEN, GA.

LOCATION.—Chain gage at highway bridge 4 miles above Ulcohatsee (Auchump-kee) Creek and 1½ miles southwest of Culloden, Monroe County.

DRAINAGE AREA.—1,850 square miles.

RECORDS AVAILABLE.—July, 1928, to September, 1930. Comparable record at Grays Ferry 2½ miles downstream from July, 1911, to May, 1923.

EXTREMES.—Maximum discharge during year, 38,900 second-feet Oct. 2 (gage height, 25.16 feet); minimum, 228 second-feet Sept. 5 (gage height, 1.33 feet). 1911–1923, 1928–1930: Maximum discharge, 92,000 second-feet Mar. 15, 1929 (gage height, 38.40 feet); minimum, 125 second-feet Oct. 8, 1911 (gage height, 1.0 foot).

REMARKS.—Records fair.

Daily discharge, in second-feet, 1911–1923 and 1929–30

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1911				1911				1911			
1.....	450	310	335	11.....	620	930	390	21.....	1,280	930	550
2.....	310	1,190	310	12.....	850	890	310	22.....	930	770	515
3.....	310	6,510	360	13.....	1,010	1,010	335	23.....	930	550	690
4.....	215	8,330	1,140	14.....	1,010	930	360	24.....	930	420	480
5.....	215	4,870	360	15.....	1,800	770	310	25.....	770	620	450
6.....	360	2,150	420	16.....	1,280	620	390	26.....	690	480	310
7.....	690	1,280	390	17.....	2,030	215	310	27.....	550	420	390
8.....	420	930	550	18.....	1,800	1,380	390	28.....	550	390	335
9.....	360	770	480	19.....	2,690	1,580	480	29.....	420	360	215
10.....	690	1,380	450	20.....	1,800	1,280	450	30.....	420	335	215
								31.....	390	360	---

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1911–12												
1.....	238	1,280	970	6,380	8,720	4,180	6,380	3,430	2,030	2,280	890	770
2.....	215	1,140	930	4,470	6,900	3,430	5,360	3,280	1,800	1,800	850	730
3.....	238	970	890	4,330	5,860	3,280	4,330	3,130	1,690	2,030	770	690
4.....	215	620	770	4,470	4,180	5,240	4,030	2,830	2,030	2,150	1,010	690
5.....	170	690	810	3,580	2,830	4,330	2,830	5,600	2,830	2,030	1,000	1,010
6.....	192	620	730	2,980	2,550	9,500	2,690	7,420	2,410	2,550	1,010	2,030
7.....	215	1,010	690	2,690	2,280	7,290	2,550	6,770	7,030	1,910	930	1,480
8.....	125	1,060	655	5,120	2,030	5,990	2,410	6,640	5,730	1,800	4,180	1,280
9.....	192	2,030	690	8,850	2,030	5,240	2,280	6,380	5,120	1,910	6,120	730
10.....	215	3,130	730	7,160	1,800	4,870	2,280	5,730	2,830	2,150	5,730	730
11.....	770	2,980	690	5,600	2,150	4,330	2,410	5,240	2,690	3,280	5,480	890
12.....	260	3,730	690	4,470	2,280	6,900	2,280	2,980	2,150	2,830	4,610	1,380
13.....	215	3,580	690	3,880	2,150	5,730	2,150	2,690	1,690	4,610	3,280	1,100
14.....	192	1,690	730	3,280	2,830	4,740	2,150	2,550	1,480	4,870	1,910	890
15.....	360	1,480	770	3,130	4,740		2,030	2,550	1,380	4,470	2,830	1,010
16.....	285	1,190	1,010	2,280	5,730		3,280	2,280	6,900	2,280	1,580	890
17.....	260	1,140	1,100	2,280	6,250	28,000	8,590	2,150	6,250	2,980	1,380	850
18.....	1,010	1,010	1,060	2,150	5,860		10,200	2,030	5,600	4,180	1,800	850
19.....	810	930	1,010	2,030	5,000		10,000	1,800	3,280	5,600	1,910	850
20.....	450	970	1,380	2,690	4,330	7,680	9,500	1,800	2,410	4,870	2,980	770
21.....	360	850	4,870	2,550	4,030	5,000		1,580	1,480	3,130	2,550	770
22.....	10,000	810	5,480	2,550	8,590	4,180		1,480	1,380	2,690	2,280	850
23.....	4,470	690	10,700	2,030	7,420	3,130	16,500	1,480	930	1,800	1,190	2,550
24.....	2,030	730	9,500	2,030	6,640	5,480		1,380	890	1,480	1,190	2,330
25.....	1,140	770	7,940	1,690	9,500	8,070	8,980	1,380	3,580	1,480	2,150	2,280
26.....	1,010	620	6,250	1,580	8,590	6,380	7,810	1,380	5,120	1,380	1,280	1,690
27.....	690	690	5,240	1,580	7,810	5,240	5,360	1,190	6,120	1,380	1,190	1,190
28.....	930	810	4,330	1,480	6,510	4,180	4,470	1,190	6,380	1,280	1,380	1,100
29.....	1,800	850	4,180	2,030	5,120	10,000	4,180	1,580	6,250	1,190	1,380	1,190
30.....	2,030	1,010	2,980	9,500		9,500	3,730	1,800	3,130	1,060	930	1,380
31.....	1,580		3,730	10,700		6,640		2,030		930	850	

Daily discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1912-13												
1	2,150	930	1,100		4,000	11,500	4,330	1,280	850	620	1,580	620
2	1,690	850	1,010		3,000	7,030	4,430	1,190	810	655	1,380	655
3	1,380	850	1,010		2,830	5,240	3,130	1,190	930	690	1,800	690
4	1,190	810	1,010		6,900	3,880	2,830	1,140	2,550	890	2,280	1,060
5	2,030	770	1,100		5,600	3,130	2,690	1,100	2,410	1,690	1,800	2,830
6	2,280	770	1,580		4,470	2,550	2,550	1,060	2,550	1,380	1,190	4,180
7	2,550	1,190	1,800		4,330	2,280	2,280	1,010	3,130	1,280	1,010	2,280
8	2,150	1,380	1,800		2,980	2,150	2,030	1,010	3,880	890	3,130	1,690
9	1,800	1,580	1,580		2,980	1,690	2,030	1,010	4,870	690	1,800	1,280
10	1,480	1,380	1,380		3,430	1,910	2,030	1,060	4,030	620	1,480	1,100
11	1,050	1,190	1,280		1,690	2,690	2,550	1,010	3,580	1,800	1,190	810
12	930	1,100	1,190		2,980	2,830	3,430	1,010	2,830	3,280	1,580	730
13	850	1,010	1,100		2,690	11,500	2,550	1,010	1,800	1,690	1,380	655
14	1,060	930	1,100		2,150	17,800	2,280	1,010	1,380	1,910	1,190	620
15	1,100	930	1,010		1,800	47,000	2,030	970	1,190	2,030	1,010	620
16	1,190	930	930	2,450	1,690	69,400	1,910	930	1,100	1,800	890	690
17	1,100	930	930		1,690	54,200	1,800	930	970	1,380	1,140	810
18	1,010	930	930		1,580	23,600	1,800	1,190	930	1,150	890	770
19	2,030	930	930		1,580	12,200	1,690	1,190	890	970	730	1,580
20	2,830	930	930		1,690	7,160	1,580	1,380	850	730	620	3,130
21	2,150	930	930		2,980	5,990	1,580	1,280	850	1,100	585	2,830
22	1,580	930	1,010		5,120	12,200	1,480	1,280	890	2,550	585	1,800
23	1,380	930	1,100		4,740	8,330	1,380	1,190	770	3,130	550	1,480
24	1,190	930	5,990		3,280	7,160	1,380	2,030	770	5,120	1,010	1,190
25	1,060	850	5,600		2,690	5,120	1,380	2,030	770	4,610	850	970
26	1,010	850	4,470		1,800	5,120	1,380	2,030	690	4,030	620	810
27	1,010	850	3,280		1,910	6,900	1,380	1,480	690	2,550	690	730
28	930	930	2,980		5,600	6,770	1,380	1,190	690	2,280	585	690
29	850	1,010	2,550			5,600	1,380	1,060	690	3,730	550	655
30	850	1,140	2,550			4,870	1,280	930	655	2,830	585	770
31	850		2,280			4,610		850		2,280	620	
1913-14												
1	890	850	770	1,910	1,140	3,580	2,030	850	420	360	1,190	585
2	970	770	1,010	2,150	1,190	2,980	2,150	770	310	260	1,060	480
3	1,010	730	1,480	4,330	1,100	2,280	1,800	770	310	215	585	515
4	850	770	1,380	3,580	1,100	1,800	1,580	730	310	215	730	1,680
5	730	730	1,190	2,830	1,010	1,660	1,280	690	585	260	730	1,010
6	620	690	1,060	2,150	1,190	1,800	1,140	690	770	335	655	585
7	620	690	1,280	1,800	2,280	1,580	1,100	730	655	480	655	450
8	550	770	1,380	1,580	2,410	1,480	1,100	690	515	730	1,480	390
9	550	850	1,280	1,380	1,800	1,380	1,280	690	480	390	1,140	360
10	550	770	1,140	1,380	1,580	1,280	1,380	620	515	1,690	3,130	360
11	550	770	1,010	1,190	1,380	1,190	1,190	620	420	970	5,360	360
12	515	690	930	1,190	1,380	2,550	1,140	585	585	585	2,690	310
13	450	690	930	1,100	1,380	3,430	1,100	550	690	655	2,830	310
14	450	690	850	1,100	1,800	2,980	1,800	550	730	480	3,580	310
15	450	690	890	1,010	1,690	2,410	6,640	480	620	655	2,280	260
16	450	770	930	1,010	1,580	1,910	5,730	480	585	550	2,830	260
17	420	770	930	1,010	1,380	1,580	4,180	480	690	1,800	3,430	260
18	450	770	930	1,010	1,190	1,480	2,830	480	585	1,380	2,550	260
19	480	770	930	1,010	1,190	1,380	2,030	420	1,190	1,060	1,580	1,480
20	1,190	770	930	1,010	1,480	1,280	1,800	420	1,480	1,380	1,060	1,380
21	1,140	770	850	1,010	1,380	1,280	1,800	420	1,060	550	1,100	890
22	1,010	770	850	1,100	1,280	1,380	1,580	420	850	450	930	770
23	930	770	930	1,100	1,190	1,380	1,380	420	655	360	1,060	585
24	1,690	770	930	1,140	1,100	1,380	1,190	390	515	450	1,140	480
25	2,030	770	1,190	1,380	1,100	1,280	1,140	360	390	260	1,060	515
26	1,580	770	1,380	1,380	1,190	1,190	1,100	360	360	260	1,010	655
27	1,380	770	1,380	1,380	1,480	1,190	1,010	335	335	450	810	620
28	1,140	770	1,380	1,190	1,800	1,190	970	310	310	2,550	550	480
29	1,060	770	1,380	1,100		1,190	890	310	310	2,690	515	450
30	970	770	2,830	1,100		1,190	850	310	260	1,690	890	420
31	890		2,550	1,100		1,380		310		1,100	690	

Daily discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-15												
1	420	550	5,600	4,330	4,470	2,830	2,280	1,100	4,870	850	480	655
2	690	515	4,870	3,430	6,900	2,550	2,030	1,010	12,000	1,580	515	585
3	1,380	480	3,730	2,550	6,250	2,280	1,910	930	7,160	2,830	515	550
4	1,060	480	5,600	2,150	5,600	2,030	1,910	850	4,330	1,580	585	515
5	810	480	9,110	1,800	4,470	5,860	1,800	810	2,830	1,690	620	690
6	730	480	9,630	1,910	4,330	6,900	1,580	770	1,800	7,030	655	970
7	690	480	8,430	3,430	3,730	5,860	1,480	1,100	1,480	7,420	480	1,140
8	655	480	6,380	3,730	3,430	5,120	1,380	7,290	1,380	5,120	450	970
9	585	480	4,030	3,730	2,980	4,030	1,380	6,770	1,190	3,430	420	730
10	550	620	2,550	2,980	2,550	3,130	1,380	4,870	1,060	5,860	550	585
11	515	1,190	1,800	2,550	2,280	2,550	1,380	4,180	970	3,730	620	515
12	655	1,010	1,580	4,330	2,280	2,280	1,280	4,870	930	2,550	730	450
13	550	730	1,580	4,870	2,030	2,030	1,280	4,330	1,380	1,910	690	390
14	620	770	2,030	4,330	2,030	2,030	1,280	3,730	1,580	1,580	850	850
15	1,800	3,430	2,030	3,580	2,030	1,910	1,190	2,690	1,380	1,280	550	850
16	3,130	5,860	1,800	2,830	4,470	1,800	1,190	1,910	1,190	1,380	690	655
17	3,130	5,240	1,580	3,430	4,030	1,800	1,140	1,480	1,690	1,280	515	585
18	4,180	4,870	1,380	10,800	3,730	1,800	1,100	1,190	1,690	1,100	655	585
19	3,280	3,130	1,380	11,600	2,980	1,800	1,100	1,060	1,580	930	1,060	585
20	2,030	1,910	1,380	7,160	2,550	1,690	1,100	930	1,380	1,140	1,380	450
21	1,380	1,480	1,480	5,360	2,280	1,690	1,100	930	1,140	1,190	1,380	420
22	930	1,010	1,580	4,030	2,030	1,690	1,010	850	930	1,380	1,800	390
23	730	970	1,480	3,280	2,150	1,580	1,010	850	730	1,190	1,280	360
24	690	930	1,380	7,940	3,430	1,580	1,010	850	690	850	930	335
25	690	850	1,480	9,240	3,430	1,580	1,010	810	620	770	730	310
26	620	850	2,030	8,200	3,280	1,480	930	770	620	620	810	310
27	620	850	2,030	7,160	3,430	1,480	930	770	585	620	770	310
28	550	890	2,030	5,860	3,130	1,480	930	1,580	585	550	690	260
29	550	6,380	2,830	4,610	-----	1,480	1,010	2,030	690	550	620	655
30	550	8,460	5,600	3,430	-----	1,480	1,100	1,800	890	480	550	970
31	550	-----	4,870	2,830	-----	1,910	-----	1,580	-----	480	655	-----
1915-16												
1	850	1,140	1,100	14,800	5,360	5,240	1,380	850	620	655	2,550	1,800
2	810	1,060	1,060	10,000	8,720	6,380	1,380	850	620	655	3,130	1,380
3	850	1,010	930	7,680	8,590	5,600	1,480	850	620	620	4,330	1,380
4	810	930	890	5,860	7,420	5,120	1,580	850	620	620	6,640	1,190
5	1,690	890	850	4,330	6,120	4,030	1,480	770	620	585	3,730	1,010
6	1,800	770	930	2,410	4,610	3,130	1,380	690	620	1,010	2,550	930
7	2,830	770	970	2,030	3,580	2,280	1,480	690	620	5,990	2,550	850
8	2,280	690	1,100	1,800	2,830	5,600	1,800	690	620	24,800	1,800	810
9	1,690	690	1,060	2,030	2,550	4,470	2,550	620	550	67,600	1,580	770
10	1,580	620	970	1,800	2,280	3,130	2,550	620	550	73,200	1,480	730
11	1,380	620	930	1,580	2,150	2,550	2,030	620	480	45,200	1,480	850
12	1,060	585	1,580	1,380	2,030	2,280	1,580	620	480	24,800	930	770
13	810	550	1,690	2,830	2,030	2,030	1,480	620	450	13,600	1,690	770
14	620	550	1,800	5,120	2,830	1,800	1,380	655	550	8,330	2,150	890
15	6,380	480	1,800	4,030	2,550	1,800	1,380	620	1,140	5,360	3,730	2,550
16	3,730	550	2,030	3,130	2,280	1,580	1,280	620	2,280	4,610	4,030	2,280
17	1,910	620	2,830	2,550	2,030	1,480	1,480	550	3,580	5,730	2,830	1,580
18	1,190	730	8,070	2,410	1,800	1,480	1,380	550	2,030	6,900	1,800	1,480
19	1,140	930	17,800	2,280	1,580	1,480	1,190	550	1,060	7,420	1,380	1,380
20	1,580	1,100	16,600	2,280	1,480	1,480	1,190	550	810	6,380	1,060	1,380
21	1,690	1,100	13,900	2,030	1,480	1,380	1,190	550	690	9,110	1,190	890
22	5,120	1,060	11,000	1,800	1,480	1,380	1,280	585	620	10,500	1,140	810
23	8,070	1,010	8,720	2,030	1,480	1,380	1,190	1,580	810	16,200	970	730
24	5,860	1,010	7,550	2,030	2,690	1,380	1,100	3,280	770	16,000	930	620
25	4,330	930	6,770	1,910	3,430	1,380	1,010	2,550	690	11,400	890	620
26	3,430	930	5,120	1,910	2,980	1,480	1,010	1,800	620	7,160	810	620
27	2,280	1,190	4,610	1,800	2,150	2,280	930	1,280	620	5,860	730	620
28	1,690	1,190	4,740	1,690	1,800	2,280	930	930	620	4,330	690	620
29	1,380	1,100	10,500	1,580	3,280	2,030	930	655	620	4,330	690	620
30	1,100	1,060	18,000	1,800	-----	1,690	930	620	730	4,030	730	620
31	970	-----	18,600	1,690	-----	1,480	-----	620	-----	3,580	1,100	-----

Daily discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-17												
1	585	850	2,550	2,550	4,610	3,430	4,330	1,480	1,140	3,130	930	2,830
2	550	850	2,280	2,280	5,000	5,600	3,730	1,380	1,140	2,030	890	1,480
3	550	770	1,800	2,030	4,030	7,680	3,730	1,380	1,100	1,380	1,100	1,380
4	550	770	1,480	1,910	3,730	21,900	3,130	1,480	1,010	1,100	1,060	1,190
5	550	730	1,380	1,800	2,980	33,200	12,900	1,580	1,010	1,010	970	1,060
6	550	620	1,280	1,800	2,550	21,900	19,500	1,690	930	1,100	930	860
7	550	620	1,140	2,280	2,280	13,200	16,000	2,030	850	1,190	3,430	1,100
8	550	620	1,190	2,280	2,030	8,590	11,400	2,280	850	1,100	5,120	1,060
9	550	620	4,330	2,030	2,150	5,600	7,940	2,030	810	930	5,360	1,010
10	585	620	4,030	1,800	2,150	4,330	5,600	1,690	2,030	930	4,870	1,100
11	655	620	3,580	1,580	2,030	3,730	4,330	1,480	2,030	970	3,880	1,380
12	655	810	2,830	1,480	1,910	3,430	3,730	1,480	1,580	1,010	2,280	1,060
13	550	1,140	2,550	1,380	1,800	2,830	3,430	1,380	1,280	810	1,580	810
14	550	1,140	1,910	1,380	1,580	2,830	3,130	1,380	1,190	730	1,580	690
15	550	1,100	1,580	1,580	1,580	2,690	2,830	1,380	1,380	810	1,580	620
16	550	970	1,480	2,030	1,800	2,550	2,550	1,190	1,010	620	1,580	620
17	550	890	1,480	2,410	1,800	2,550	2,410	1,190	850	620	2,410	620
18	690	850	1,380	4,470	3,580	2,550	2,280	1,190	850	1,800	2,550	620
19	2,150	850	1,480	4,870	5,600	2,410	2,150	1,190	850	5,480	2,280	585
20	4,030	810	1,480	4,330	6,640	2,280	2,150	1,100	890	4,610	5,730	550
21	2,030	770	1,480	3,730	7,420	2,280	2,030	1,100	1,140	3,730	3,730	550
22	1,380	770	1,580	2,830	7,420	4,330	2,030	1,100	1,190	2,410	1,380	515
23	1,100	890	1,690	4,330	7,160	5,990	2,030	1,800	1,910	2,550	1,190	620
24	970	970	1,480	8,200	7,160	7,680	1,800	1,380	1,580	2,690	1,010	930
25	1,140	1,100	1,480	13,900	5,120	7,680	1,800	1,100	1,280	2,280	930	1,800
26	730	1,010	1,480	8,720	4,030	7,810	1,690	1,190	1,060	3,130	850	2,830
27	690	930	1,380	6,510	3,430	11,500	1,580	1,190	1,280	1,800	770	2,550
28	690	930	1,380	4,470	2,980	18,600	1,580	1,190	1,380	1,380	730	2,550
29	690	1,280	2,030	3,580	-----	14,300	1,480	1,800	1,480	2,150	620	5,600
30	730	2,830	2,690	3,280	-----	10,500	1,480	1,480	4,870	1,380	620	7,200
31	770	-----	2,550	3,280	-----	6,900	-----	1,380	-----	1,060	620	-----
1917-18												
1	8,460	1,100	970	1,010	8,200	1,580	1,010	6,510	550	890	2,030	1,380
2	6,770	1,060	1,010	1,010	8,460	1,580	1,010	5,240	550	1,140	2,150	1,380
3	4,180	1,010	1,010	1,010	9,500	1,480	1,100	3,730	550	890	5,600	1,190
4	2,280	930	1,010	1,010	7,030	1,480	1,100	2,830	515	620	4,330	1,580
5	1,580	930	1,010	1,010	5,360	1,380	1,060	2,280	515	550	4,030	1,380
6	1,190	930	1,010	1,060	4,330	1,380	930	1,690	620	450	2,150	890
7	1,100	930	1,010	1,690	3,430	1,580	1,010	1,480	810	420	1,580	1,480
8	1,010	930	1,140	1,580	2,830	1,580	4,330	1,380	1,010	360	1,140	1,480
9	1,010	930	1,280	1,480	2,550	1,380	4,870	1,280	890	360	850	1,100
10	1,100	930	1,280	1,380	2,410	1,580	5,600	1,190	970	515	690	770
11	1,010	930	1,190	1,380	2,410	1,580	5,120	1,100	1,060	515	655	620
12	970	850	1,100	7,160	2,280	1,380	3,430	1,060	1,480	335	730	550
13	930	930	1,190	6,380	2,550	1,280	2,550	1,060	1,690	360	890	515
14	930	850	1,190	5,480	2,280	1,280	2,910	1,100	1,280	310	690	480
15	850	930	1,190	6,380	2,280	1,280	1,480	1,190	970	310	620	450
16	850	930	1,280	5,860	2,550	1,140	1,380	1,80	1,010	238	480	390
17	850	890	1,190	4,330	1,190	1,280	1,280	1,380	585	285	620	420
18	850	850	1,100	2,280	3,430	1,190	1,280	1,140	585	238	450	360
19	850	850	1,100	2,030	2,690	1,140	1,380	1,060	585	260	450	360
20	890	1,380	1,100	2,410	2,830	1,280	1,380	1,010	550	1,140	690	335
21	1,010	1,380	1,100	2,280	3,430	1,380	1,800	890	585	970	770	480
22	1,010	1,280	1,100	2,280	3,130	1,280	1,910	850	550	850	585	550
23	930	1,140	1,010	3,430	2,410	1,380	1,280	850	585	850	480	480
24	930	1,060	1,010	4,180	2,150	1,190	1,140	850	515	550	390	450
25	850	1,010	1,010	3,280	2,150	1,190	1,100	890	450	515	450	480
26	850	930	1,010	2,980	1,800	1,100	3,280	890	420	970	450	420
27	850	930	1,100	2,690	1,690	1,100	3,880	850	450	1,060	360	420
28	850	930	1,190	2,550	1,580	1,010	4,030	850	480	2,980	770	390
29	850	930	1,280	7,030	-----	1,010	4,870	730	480	2,030	810	480
30	1,060	930	1,280	7,160	-----	1,010	5,600	655	550	2,830	690	450
31	1,190	-----	1,190	10,300	-----	1,010	-----	620	-----	2,690	1,280	-----

Daily discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-19												
1-----	420	2,410	5,360	3,280	3,280	8,070	1,800	1,100	2,550	770	2,830	2,410
2-----	420	1,580	4,610	4,610	2,830	6,250	1,800	1,280	2,280	690	3,430	2,030
3-----	390	1,190	3,280	10,800	2,550	5,120	1,690	1,190	1,800	655	3,280	1,280
4-----	360	930	2,410	8,330	3,580	4,180	1,690	1,100	1,480	515	2,280	1,100
5-----	360	810	1,800	6,380	3,580	4,610	1,910	1,190	1,380	550	9,760	1,010
6-----	360	730	1,480	5,000	2,980	7,160	1,800	1,580	1,190	550	6,380	1,010
7-----	335	655	1,280	3,880	2,690	7,680	1,800	2,030	1,100	1,010	3,880	930
8-----	285	655	1,190	3,280	2,550	5,730	1,690	2,030	1,010	5,600	2,280	930
9-----	285	655	1,190	3,280	2,410	11,100	1,690	2,030	930	6,640	5,600	930
10-----	285	655	1,190	3,130	2,410	13,200	1,580	1,800	930	4,870	4,470	890
11-----	285	620	1,190	2,830	2,030	12,900	2,150	1,580	930	3,430	5,600	890
12-----	285	585	1,190	2,410	2,030	8,850	2,830	1,380	1,010	2,830	6,900	690
13-----	310	585	1,100	2,280	2,030	5,360	2,690	1,190	930	2,030	4,030	2,280
14-----	310	585	2,550	2,150	4,330	4,030	2,550	2,030	890	1,580	1,580	930
15-----	310	585	4,870	2,030	5,600	3,430	2,030	1,800	850	1,480	1,580	1,010
16-----	310	730	4,030	1,910	4,330	3,130	1,690	1,690	730	2,550	1,380	930
17-----	335	1,100	3,280	2,280	4,610	4,180	2,830	1,380	810	5,360	850	890
18-----	310	930	2,550	5,000	2,830	7,160	2,980	1,190	2,690	4,330	6,380	810
19-----	335	930	1,800	5,120	2,280	5,860	2,410	1,100	2,030	4,030	4,740	690
20-----	335	850	2,030	5,000	2,150	4,870	2,550	1,580	1,480	5,120	4,180	4,030
21-----	335	850	9,110	4,610	4,870	3,730	1,690	1,380	1,380	6,380	1,280	1,480
22-----	360	810	20,900	3,430	5,860	3,280	1,480	1,010	1,690	4,330	2,280	1,100
23-----	390	770	34,200	3,130	7,550	2,830	1,480	1,010	1,190	9,370	1,690	930
24-----	480	890	23,300	3,280	6,380	2,550	1,380	850	1,380	26,700	2,980	850
25-----	2,150	1,190	15,800	5,360	27,700	2,280	1,280	930	1,280	45,600	2,830	770
26-----	1,910	1,380	11,600	10,900	47,800	2,150	1,190	930	1,100	16,600	2,410	770
27-----	1,800	1,690	6,640	8,200	25,600	2,410	1,190	930	1,010	9,500	2,030	770
28-----	1,800	4,470	4,470	6,380	10,800	2,410	1,190	1,380	1,930	6,900	1,690	690
29-----	1,190	6,250	3,430	5,480	-----	2,150	1,100	1,280	890	4,740	1,380	690
30-----	1,280	5,860	2,830	4,330	-----	2,150	1,100	1,280	2,980	2,980	2,030	620
31-----	3,130	-----	2,410	3,580	-----	2,030	-----	2,030	-----	2,830	2,690	-----
1919-20												
1-----	620	1,010	1,580	1,800	4,470	5,240	11,500	5,480	1,910	1,010	1,190	1,580
2-----	655	1,690	1,480	1,690	4,470	2,410	14,300	3,730	1,910	1,100	1,280	1,280
3-----	655	2,150	1,380	1,690	12,900	2,280	15,000	10,500	1,800	1,380	1,910	2,830
4-----	890	1,580	1,380	1,690	17,200	2,410	12,900	23,600	1,800	1,190	5,360	4,470
5-----	1,010	1,380	1,190	1,580	15,400	4,610	8,980	17,000	2,280	1,100	5,990	2,410
6-----	930	1,190	1,190	1,580	11,600	4,470	6,380	11,100	3,880	1,190	4,030	2,030
7-----	890	1,100	1,190	2,030	9,240	3,730	5,120	7,550	2,980	1,190	4,180	1,580
8-----	770	1,010	5,480	3,430	6,380	3,130	4,330	5,730	2,280	1,280	3,580	1,280
9-----	690	930	18,000	4,180	4,870	2,690	4,330	5,000	1,910	1,580	2,980	2,150
10-----	770	1,010	38,500	4,740	4,030	2,550	5,600	4,870	1,690	1,280	4,030	2,280
11-----	1,190	1,010	56,500	4,030	4,470	2,550	5,120	3,580	1,580	4,470	4,470	2,550
12-----	1,280	5,240	48,500	3,280	4,740	3,430	4,610	3,130	1,480	3,580	4,330	1,800
13-----	1,010	2,550	31,800	2,830	6,120	15,000	4,740	21,900	1,480	2,030	5,730	1,380
14-----	930	2,280	17,000	2,550	5,600	7,290	3,730	14,800	1,380	2,410	6,120	1,190
15-----	850	2,150	9,500	2,410	5,000	5,860	3,280	7,160	1,280	2,410	5,240	1,100
16-----	810	1,910	6,640	2,550	4,330	5,480	3,880	5,860	1,190	3,280	5,360	1,010
17-----	890	1,480	5,120	5,120	3,880	16,000	4,610	4,740	1,190	4,740	5,480	1,010
18-----	1,910	1,280	4,330	5,360	3,430	51,400	4,610	4,330	1,190	6,900	7,030	1,010
19-----	1,690	1,190	3,580	5,000	3,280	34,500	5,360	3,880	1,280	10,300	7,160	930
20-----	1,580	1,100	3,280	4,330	3,130	21,900	3,580	3,730	1,380	8,460	5,730	890
21-----	1,280	1,100	2,980	3,580	2,830	16,000	3,130	3,430	2,030	6,380	4,030	850
22-----	1,380	1,010	2,830	2,980	2,690	10,300	2,980	2,980	2,030	7,030	2,690	810
23-----	6,640	1,010	2,550	2,690	2,980	7,160	2,830	2,690	2,030	6,120	2,150	810
24-----	6,640	1,010	2,410	2,690	3,130	5,240	2,980	2,410	1,690	5,000	1,910	1,100
25-----	3,430	1,010	2,280	6,120	3,130	4,470	4,330	2,280	1,910	3,280	1,690	1,010
26-----	2,150	1,010	2,150	12,200	2,690	4,180	3,280	2,550	1,580	2,150	1,480	1,380
27-----	1,690	1,100	2,030	12,900	2,410	5,120	7,810	2,980	1,280	1,690	1,280	1,280
28-----	1,480	1,100	2,030	12,200	2,280	7,420	9,890	3,280	1,100	1,480	2,280	1,010
29-----	1,280	1,100	1,910	10,700	5,240	18,600	8,980	2,690	1,100	1,280	2,830	2,150
30-----	1,100	1,190	1,800	7,940	-----	25,100	7,810	2,280	1,010	1,190	2,280	3,280
31-----	1,010	-----	1,800	5,600	-----	21,900	-----	1,910	-----	1,190	2,030	-----

Daily discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1920-21												
1	2,150	850	1,580	2,280	1,910	2,150	1,480	1,100	655	930	550	810
2	1,190	850	1,690	2,150	1,800	2,150	1,580	1,010	585	1,100	550	655
3	1,100	890	1,690	2,150	1,800	2,030	1,480	1,010	585	1,010	550	585
4	1,010	890	1,280	2,690	1,800	1,910	1,380	1,010	810	1,100	620	550
5	1,010	890	1,190	2,690	1,800	1,800	1,280	1,010	770	1,190	1,380	480
6	1,010	850	1,190	2,410	1,910	1,800	1,190	1,010	655	1,280	4,470	480
7	1,010	850	1,190	2,150	2,280	1,690	1,190	930	620	810	5,480	480
8	930	810	1,680	1,910	2,690	1,690	1,190	930	585	620	4,030	450
9	770	770	1,910	2,030	4,330	1,800	1,190	850	585	515	3,430	450
10	730	770	1,910	2,410	10,100	2,030	1,100	850	550	515	3,130	420
11	730	770	1,800	2,690	30,600	1,910	1,010	850	515	480	2,550	390
12	690	770	1,580	2,690	24,600	1,800	1,010	1,100	515	515	1,380	390
13	690	770	1,580	2,280	13,700	1,800	1,010	1,800	480	1,380	1,100	480
14	690	770	2,280	3,130	7,420	1,910	1,010	2,550	450	2,550	850	390
15	690	770	3,280	4,470	4,870	2,030	1,280	2,280	480	1,800	690	360
16	655	2,690	2,980	4,030	3,730	1,910	1,580	1,910	515	1,480	770	335
17	655	4,330	2,550	3,580	3,130	1,800	4,030	1,910	550	3,430	2,280	390
18	655	3,580	2,030	2,830	2,690	1,800	4,330	1,690	620	4,610	2,030	420
19	655	3,130	1,800	2,410	2,550	1,800	3,280	1,380	620	4,030	2,150	420
20	655	2,280	1,580	2,030	5,240	1,800	2,280	1,190	515	3,430	1,580	420
21	655	1,800	1,480	1,800	5,240	1,690	1,800	1,100	480	2,830	1,190	420
22	655	1,480	2,690	1,690	4,610	1,580	1,690	1,010	450	3,430	1,010	390
23	655	1,280	8,460	1,690	4,030	1,480	2,410	930	480	3,580	850	360
24	655	1,190	6,900	1,580	3,430	1,800	2,550	930	655	3,430	770	310
25	655	1,100	5,240	1,580	2,980	2,280	2,280	890	655	2,150	1,800	285
26	655	1,100	4,030	1,690	2,690	2,030	1,910	890	515	1,280	2,280	285
27	690	1,100	5,360	2,410	2,410	1,690	1,480	1,190	550	1,250	1,480	285
28	1,280	1,280	5,120	2,690	2,280	1,580	1,380	1,010	585	890	1,190	620
29	1,380	1,480	4,030	2,410	-----	1,480	1,190	810	620	770	1,010	1,190
30	1,010	1,580	3,280	2,150	-----	1,380	1,190	730	930	730	1,690	1,190
31	850	-----	2,550	2,030	-----	1,380	-----	690	-----	620	930	-----
1921-22												
1	1,010	850	1,800	890	1,800	3,280	4,330	3,580	10,000	1,480	2,550	655
2	850	810	1,690	850	4,610	4,030	3,880	2,690	28,000	2,280	1,690	770
3	1,100	730	1,580	850	4,470	6,380	4,030	2,550	18,600	1,690	3,430	850
4	1,690	655	1,380	810	3,280	6,770	3,130	4,610	11,100	1,280	3,730	810
5	1,190	685	1,280	810	12,100	5,860	3,130	5,360	8,330	1,580	2,550	690
6	1,190	550	1,190	1,100	14,600	5,360	4,030	4,030	6,770	1,800	1,580	690
7	850	515	1,010	1,690	12,400	37,800	3,580	3,880	5,990	1,690	1,280	655
8	655	480	930	1,800	8,720	36,800	3,280	3,130	6,120	1,250	1,100	620
9	550	515	930	2,150	6,510	19,500	3,280	2,280	6,770	1,100	1,010	620
10	450	550	930	2,830	5,120	20,400	2,980	2,280	6,250	1,010	930	585
11	420	585	930	7,680	3,880	52,400	2,280	1,910	4,470	1,250	1,010	585
12	390	585	930	7,290	3,280	39,800	2,030	3,430	2,830	4,330	2,030	655
13	390	550	890	5,990	2,690	22,800	1,800	3,730	2,280	3,430	2,280	730
14	360	585	890	4,870	2,410	11,600	1,690	2,280	1,910	3,430	2,030	930
15	360	690	850	3,430	5,990	7,550	1,580	1,580	1,690	2,690	1,800	810
16	360	770	770	2,550	13,200	6,120	1,580	1,580	1,480	1,580	1,580	770
17	360	730	770	2,030	13,200	5,860	1,580	2,030	1,380	1,190	1,480	850
18	360	930	730	1,690	9,760	5,000	1,690	2,150	1,380	1,380	1,380	850
19	360	1,190	730	1,480	6,900	6,250	1,910	2,280	1,280	3,430	1,280	810
20	335	1,800	690	1,480	4,870	13,600	2,550	2,280	1,280	4,870	1,190	655
21	335	1,800	730	2,280	5,000	11,200	3,280	1,910	1,580	5,360	1,100	585
22	310	2,030	1,280	3,130	2,980	8,720	3,730	3,580	1,580	4,610	1,010	585
23	310	1,800	1,380	3,280	2,690	6,510	2,930	5,860	1,480	2,830	930	585
24	285	1,280	1,100	3,430	2,550	5,120	2,150	6,770	1,380	1,910	850	585
25	310	1,100	1,100	3,730	2,550	3,730	1,690	4,610	1,280	1,580	850	585
26	310	930	1,100	3,730	2,550	3,280	1,480	3,280	1,100	1,280	770	585
27	310	850	1,100	3,430	2,280	3,280	1,310	5,120	1,100	1,100	890	585
28	310	1,800	1,190	2,830	2,980	3,880	1,580	5,730	1,580	1,100	1,010	550
29	335	1,910	1,190	2,280	-----	3,430	4,030	4,740	2,280	1,250	850	550
30	515	1,800	1,010	2,030	-----	3,130	4,180	3,580	1,910	1,580	730	550
31	730	-----	930	1,800	-----	3,430	-----	3,430	-----	2,690	690	-----

Daily discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1	585	655	860	3,880	2,030	9,240	3,230	7,030				
2	550	655	850	4,870	2,030	6,900	2,330	4,470				
3	515	655	810	4,870	1,910	5,240	2,550	2,690				
4	480	655	810	4,330	1,910	4,030	2,690	5,600				
5	450	655	810	3,280	3,730	3,280	5,000	10,500				
6	450	655	770	2,690	5,730	2,980	5,600	7,550				
7	480	655	810	2,150	5,360	4,870	4,870	5,600				
8	585	620	1,100	1,910	4,740	5,360	3,880	4,610				
9	730	620	1,300	1,800	3,730	4,330	4,030	3,730				
10	850	620	1,700	1,690	4,180	3,280	4,030	3,580				
11	890	620	1,800	1,580	4,330	2,830	3,280	3,280				
12	850	585	1,600	1,480	4,870	2,550	2,550	2,280				
13	810	585	1,500	1,430	5,730	9,110	2,830	2,030				
14	770	585	1,400	1,380	7,550	20,400	5,730	1,800				
15	770	585	1,800	1,380	10,800	12,600	4,740	1,910				
16	730	585	2,150	1,480	11,500	8,980	3,730	5,120				
17	1,010	585	2,150	1,580	7,290	10,000	2,980	5,860				
18	2,980	550	2,690	1,580	4,870	8,720	2,830	5,120				
19	1,380	550	3,280	1,580	3,580	20,400	2,550	4,330				
20	970	850	3,580	1,580	2,690	23,600	2,280	4,470				
21	810	1,190	3,430	1,580	2,410	9,500	2,030	3,730				
22	770	1,140	3,280	1,690	2,230	6,770	2,030	2,980				
23	690	1,100	2,830	2,980	2,150	5,240	2,030	2,690				
24	690	1,010	2,550	13,000	2,030	4,610	1,910	2,150				
25	655	970	2,280	10,400	1,910	4,030	1,910	1,800				
26	690	900	2,030	8,330	1,910	3,730	1,800	7,420				
27	690	850	1,800	6,120	14,100	3,580	1,690	7,160				
28	690	850	1,800	4,470	16,800	3,130	1,800	5,990				
29	690	870	1,800	3,280	3,580	2,830	3,730	7,940				
30	690	900	1,800	2,550	2,980	7,030	7,420	7,420				
31	655	-----	1,690	2,230	-----	3,730	-----	5,600				
1929-30												
1	10,200	1,390	2,670	2,510	7,650	4,180	2,350	1,530	890	625	1,000	295
2	36,600	1,390	2,830	2,430	6,250	12,900	2,270	1,460	890	575	940	275
3	26,300	1,390	6,650	2,910	5,170	8,150	8,490	1,460	830	550	710	275
4	14,100	3,910	8,150	3,070	4,810	5,090	12,300	1,320	830	550	560	244
5	9,450	2,750	5,800	2,910	5,170	3,910	7,850	1,320	890	525	488	275
6	5,930	2,430	4,630	2,830	4,720	3,310	5,530	1,250	2,110	500	442	295
7	3,730	1,950	3,730	2,670	4,450	9,090	5,080	1,250	1,950	475	442	275
8	2,990	8,250	3,730	2,510	4,000	14,100	4,810	1,250	1,530	450	398	375
9	2,670	6,750	3,310	2,350	3,550	7,650	4,180	1,250	1,320	450	355	375
10	2,190	5,030	3,070	2,190	3,230	6,450	3,390	1,390	1,130	425	398	420
11	1,880	3,640	2,830	2,190	2,910	5,800	3,070	1,320	1,010	425	635	880
12	1,740	3,470	2,670	2,110	2,750	4,900	2,830	1,250	830	425	710	1,360
13	1,600	3,910	2,510	2,030	2,670	4,090	2,590	1,460	890	425	442	2,430
14	1,530	3,820	2,430	2,110	2,670	3,550	2,510	1,810	890	600	375	1,640
15	1,460	4,900	2,350	2,910	2,750	3,310	2,430	2,110	890	890	375	1,120
16	1,390	5,980	2,270	2,670	3,640	3,070	2,270	1,950	950	3,880	335	880
17	1,390	5,710	2,270	2,670	4,180	2,990	2,190	2,030	1,070	4,650	335	2,750
18	1,320	5,260	2,190	2,510	2,910	2,990	2,350	2,270	1,390	2,990	335	1,990
19	1,250	4,540	2,350	2,670	2,670	7,450	2,750	2,030	1,390	1,500	355	1,710
20	1,250	3,640	2,430	2,510	2,510	6,160	3,310	2,110	1,390	1,000	880	1,240
21	1,320	3,150	2,270	2,430	2,430	4,900	3,070	1,880	950	790	635	10,200
22	1,670	2,590	2,990	2,350	4,450	2,590	1,740	830	790	560	6,750	
23	1,740	2,990	2,430	3,230	2,270	3,820	2,190	1,600	740	635	488	3,430
24	1,740	2,830	3,910	3,150	2,270	3,390	1,950	1,530	710	1,000	442	1,920
25	1,600	2,670	3,070	2,910	2,270	3,230	1,810	1,390	650	1,300	420	1,240
26	1,460	3,150	3,070	2,750	2,190	3,230	1,740	1,250	950	1,570	398	1,060
27	1,390	4,360	3,070	2,590	2,190	2,750	1,670	1,130	830	1,060	355	880
28	1,320	4,000	2,910	3,070	2,670	2,830	1,670	1,070	575	820	335	760
29	1,390	3,550	3,070	8,970	-----	2,830	1,600	1,010	550	710	315	710
30	1,390	3,070	2,910	12,000	-----	2,670	1,600	950	525	790	295	635
31	1,390	-----	2,750	10,400	-----	2,450	-----	950	-----	1,240	295	-----

NOTE.—Tables of daily discharge, 1911-1923, are revised records based upon original data supplemented by recent discharge measurements defining rating curve at high stages. They supersede records for this period previously published in water-supply papers.

Monthly discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1911					
July.....	2,690	215	864	0.465	0.54
August.....	8,330	215	1,390	.747	.86
September.....	1,140	215	422	.227	.25
1911-12					
October.....	10,000	125	1,050	.565	.65
November.....	3,730	620	1,300	.699	.78
December.....	10,700	655	2,650	1.42	1.64
January.....	10,300	1,480	3,840	2.06	2.38
February.....	9,500	1,800	4,990	2.68	2.89
March.....		3,130	9,370	5.04	5.81
April.....		2,030	6,280	3.38	3.77
May.....	7,420	1,190	3,020	1.62	1.87
June.....	7,030	890	3,420	1.84	2.05
July.....	5,600	930	2,530	1.36	1.57
August.....	6,120	770	2,150	1.16	1.34
September.....	2,830	690	1,180	.634	.71
The year.....		125	3,480	1.87	25.46
1912-13					
October.....	2,830	850	1,440	.774	.89
November.....	1,580	770	989	.532	.59
December.....	5,990	930	1,820	.978	1.13
January.....			2,450	1.32	1.52
February.....	6,900	1,580	3,150	1.69	1.76
March.....	69,400	1,690	11,700	6.29	7.25
April.....	4,330	1,280	2,100	1.13	1.26
May.....	2,030	850	1,190	.640	.74
June.....	4,870	655	1,630	.876	.98
July.....	5,120	620	1,950	1.05	1.21
August.....	3,130	550	1,140	.613	.71
September.....	4,180	620	1,290	.694	.77
The year.....	69,400	550	2,580	1.39	18.81
1913-14					
October.....	2,030	420	857	.461	.53
November.....	850	690	757	.407	.45
December.....	2,830	770	1,190	.640	.74
January.....	4,330	1,010	1,510	.812	.94
February.....	2,410	1,010	1,420	.763	.79
March.....	3,580	1,190	1,740	.935	1.08
April.....	6,640	850	1,840	.989	1.10
May.....	850	310	524	.282	.33
June.....	1,480	260	583	.313	.35
July.....	2,690	215	815	.438	.50
August.....	5,360	515	1,590	.855	.98
September.....	1,580	260	579	.311	.35
The year.....	6,640	215	1,120	.602	8.15
1914-15					
October.....	4,180	420	1,140	.613	.71
November.....	8,460	480	1,870	1.01	1.13
December.....	9,630	1,380	3,330	1.79	2.06
January.....	11,600	1,800	4,760	2.56	2.95
February.....	6,900	2,030	3,440	1.85	1.93
March.....	6,900	1,480	2,510	1.35	1.56
April.....	2,280	930	1,310	.704	.79
May.....	7,290	770	2,090	1.12	1.29
June.....	12,000	585	1,980	1.06	1.18
July.....	7,420	480	2,030	1.09	1.26
August.....	1,800	420	741	.398	.46
September.....	1,140	260	588	.316	.35
The year.....	12,000	260	2,140	1.15	15.67

* Estimated.

Monthly discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30—Continued

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1915-16					
October.....	8,070	620	2,290	1.23	1.42
November.....	1,190	480	862	.463	.52
December.....	18,600	850	5,610	3.02	3.48
January.....	14,800	1,380	3,250	1.75	2.02
February.....	8,720	1,480	3,230	1.74	1.88
March.....	6,380	1,380	2,620	1.41	1.63
April.....	2,550	930	1,400	.753	.84
May.....	3,280	550	900	.484	.56
June.....	3,580	450	857	.461	.51
July.....	73,200	585	12,800	6.88	7.93
August.....	6,640	690	1,980	1.03	1.22
September.....	2,550	620	1,050	.565	.63
The year.....	73,200	450	3,090	1.66	22.64
1916-17					
October.....	4,030	550	885	.476	.55
November.....	2,830	620	924	.497	.55
December.....	4,330	1,140	1,950	1.05	1.21
January.....	13,900	1,380	3,520	1.89	2.18
February.....	7,420	1,580	3,730	2.01	2.09
March.....	32,200	2,280	8,090	4.35	5.02
April.....	19,500	1,480	4,490	2.41	2.69
May.....	2,280	1,100	1,440	.774	.89
June.....	4,870	810	1,330	.715	.80
July.....	5,480	620	1,800	.968	1.12
August.....	5,730	620	2,020	1.09	1.26
September.....	7,200	515	1,530	.823	.92
The year.....	33,200	515	2,640	1.42	19.28
1917-18					
October.....	8,460	850	1,550	.833	.96
November.....	1,380	850	985	.530	.59
December.....	1,280	970	1,120	.602	.69
January.....	10,300	1,010	3,380	1.82	2.10
February.....	9,500	1,580	3,540	1.90	1.98
March.....	1,580	1,010	1,300	.69	.81
April.....	5,600	930	2,400	1.29	1.44
May.....	6,510	620	1,550	.833	.96
June.....	1,690	420	728	.391	.44
July.....	2,980	238	854	.459	.53
August.....	5,600	360	1,220	.656	.76
September.....	1,580	335	724	.389	.43
The year.....	10,300	238	1,600	.860	11.69
1918-19					
October.....	3,130	285	678	.365	.42
November.....	6,250	585	1,400	.753	.84
December.....	34,200	1,100	5,910	3.18	3.67
January.....	10,900	1,910	4,570	2.46	2.84
February.....	47,800	2,030	7,060	3.80	3.96
March.....	13,200	2,030	5,190	2.79	3.22
April.....	2,980	1,100	1,840	.989	1.10
May.....	2,030	850	1,400	.753	.87
June.....	2,690	730	1,290	.694	.77
July.....	45,600	515	6,150	3.31	3.82
August.....	9,780	850	3,380	1.82	2.10
September.....	4,030	620	1,140	.613	.68
The year.....	47,800	285	3,320	1.78	24.29
1919-20					
October.....	6,640	620	1,550	.833	.96
November.....	5,240	930	1,460	.785	.88
December.....	56,500	1,190	9,110	4.90	5.65
January.....	12,900	1,580	4,560	2.45	2.82
February.....	17,200	2,280	5,580	3.00	3.24
March.....	51,400	2,280	10,400	5.59	6.44
April.....	15,000	2,830	6,200	3.33	3.72
May.....	23,600	1,910	6,350	3.41	3.93
June.....	3,880	1,010	1,720	.925	1.03
July.....	10,300	1,010	3,150	1.69	1.95
August.....	7,160	1,190	3,740	2.01	2.32
September.....	4,470	810	1,610	.866	.97
The year.....	56,500	620	4,640	2.49	33.91

Monthly discharge, in second-feet, of Flint River near Culloden, Ga., 1911-1923 and 1929-30—Continued

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1920-21					
October.....	2,150	655	865	0.465	0.54
November.....	4,330	770	1,390	.747	.83
December.....	8,460	1,190	2,790	1.50	1.73
January.....	4,470	1,580	2,410	1.30	1.50
February.....	30,600	1,800	5,920	3.18	3.31
March.....	2,280	1,380	1,810	.973	1.12
April.....	4,330	1,010	1,730	.930	1.04
May.....	2,550	690	1,180	.634	.73
June.....	930	450	586	.315	.35
July.....	4,610	480	1,740	.935	1.08
August.....	5,480	550	1,730	.930	1.07
September.....	11,900	285	490	.263	.29
The year.....	30,600	285	1,860	1.00	13.59
1921-22					
October.....	1,690	285	558	.300	.35
November.....	2,030	480	998	.537	.60
December.....	1,800	690	1,060	.570	.66
January.....	7,680	810	2,720	1.46	1.68
February.....	14,600	1,800	5,830	3.13	3.26
March.....	52,400	3,130	12,000	6.45	7.44
April.....	4,330	1,380	2,690	1.45	1.62
May.....	6,770	1,580	3,430	1.84	2.12
June.....	28,000	1,100	4,770	2.56	2.86
July.....	5,360	1,010	2,200	1.18	1.36
August.....	3,730	690	1,470	.790	.91
September.....	930	550	678	.365	.41
The year.....	52,400	285	3,190	1.72	23.27
1922-23					
October.....	2,980	450	792	.426	.49
November.....	1,190	550	744	.400	.45
December.....	3,580	770	1,840	.989	1.14
January.....	13,000	1,380	3,330	1.79	2.06
February.....	16,800	1,910	5,080	2.73	2.84
March.....	23,600	2,550	7,060	3.80	4.38
April.....	7,030	1,690	3,270	1.76	1.96
May.....	10,500	1,800	4,720	2.54	2.93
1929-30					
October.....	36,600	1,250	4,690	2.54	2.93
November.....	8,250	1,390	3,760	2.03	2.26
December.....	8,150	2,190	3,260	1.76	2.03
January.....	12,000	2,030	3,400	1.84	2.12
February.....	7,650	2,190	3,480	1.88	1.96
March.....	14,100	2,430	5,020	2.71	3.12
April.....	12,300	1,600	3,410	1.84	2.05
May.....	2,270	950	1,490	.805	.93
June.....	2,110	525	1,010	.546	.61
July.....	4,960	425	1,050	.568	.65
August.....	1,000	295	485	.262	.30
September.....	10,200	244	1,560	.843	.94
The year.....	36,600	244	2,710	1.46	19.90

NOTE.—Tables of monthly discharge for period 1911-1923 are revised records based upon original data supplemented by recent discharge measurements defining rating curve at high stages. They supersede records for this period previously published in water-supply papers.

FLINT RIVER AT MONTEZUMA, GA.

LOCATION.—Chain gage at highway bridge half a mile below Buck Creek and 1 mile northwest of Montezuma, Macon County. Zero of gage 257.4 feet above mean sea level.

DRAINAGE AREA.—2,920 square miles.

RECORDS AVAILABLE.—July to September, 1930. At station 1 mile above Buck Creek October, 1904, to December, 1912.

EXTREMES.—Maximum discharge during period, 6,700 second-feet Sept. 24 (gage height, 9.80 feet); minimum, 840 second-feet Sept. 4 (gage height, 1.45 feet).

REMARKS.—Records fair. Gage-height record July 1 to Sept. 12 furnished by United States Weather Bureau.

Daily and monthly discharge, in second-feet, 1930

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1.....	1,180	3,290	930	11.....	1,080	1,380	1,280	21.....	2,580	1,180	2,930
2.....	1,230	3,630	930	12.....	1,180	1,740	1,560	22.....	2,040	1,680	4,460
3.....	1,560	2,580	880	13.....	1,080	1,920	2,220	23.....	1,860	1,440	5,740
4.....	1,440	2,280	840	14.....	1,740	1,860	2,930	24.....	1,800	1,330	6,520
5.....	1,280	2,100	930	15.....	2,460	1,620	2,720	25.....	1,620	1,230	6,070
6.....	1,180	1,560	930	16.....	3,000	1,230	2,400	26.....	1,860	1,180	3,490
7.....	1,130	1,380	1,130	17.....	3,700	1,180	2,400	27.....	2,100	1,130	2,790
8.....	1,130	1,230	1,230	18.....	4,460	1,130	3,210	28.....	2,400	1,080	2,650
9.....	1,130	1,230	1,230	19.....	5,420	1,080	3,560	29.....	2,720	1,030	2,280
10.....	1,130	1,180	1,080	20.....	4,140	1,130	3,210	30.....	2,580	1,030	2,040
								31.....	2,650	980	-----

Month	Maximum	Minimum	Mean	For square mile	Run-off in inches
July.....	5,420	1,080	2,090	0.716	0.88
August.....	3,630	980	1,550	.531	.61
September.....	6,520	840	2,490	.853	.95

FLINT RIVER NEAR VIENNA, GA.

LOCATION.—Staff gage at bridge on Americus-Vienna Highway 300 feet below Lumpkins or Pennahatchie Creek and 12 miles west of Vienna, Dooly County.

DRAINAGE AREA.—3,440 square miles (revised).

RECORDS AVAILABLE.—November, 1926, to July, 1930 (discontinued).

EXTREMES.—Maximum discharge during year, 36,500 second-feet Oct. 6 (gage height, 22.96 feet); minimum, 1,380 second-feet July 13 (gage height, 4.38 feet).

1926-1930: Maximum discharge, 85,500 second-feet Mar. 18, 1929 (gage height, 30.56 feet); minimum, 840 second-feet Oct. 8, 1927 (gage height, 2.90 feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1	11,900	3,000	6,290	5,100	10,800	4,520	5,340	3,180	2,520	* 1,560
2	17,800	3,060	5,610	4,870	12,500	4,870	5,020	3,180	2,340	* 1,740
3	22,100	3,060	5,610	4,800	14,900	5,990	* 5,100	3,060	2,160	* 2,040
4	24,200	3,360	5,790	4,940	15,000	9,590	* 5,990	3,000	2,100	* 2,100
5	34,000	4,590	6,890	4,940	13,500	11,200	* 7,630	2,940	2,340	* 2,040
6	35,500	5,890	7,490	4,940	12,000	13,600	9,870	2,880	2,520	1,680
7	29,500	6,410	8,750	4,800	10,800	14,200	13,600	2,760	2,820	1,560
8	22,500	6,190	9,310	4,660	9,590	14,300	15,400	2,580	3,680	1,560
9	13,600	5,020	9,030	4,520	9,030	10,300	13,800	2,520	3,820	1,500
10	13,000	5,020	7,910	4,380	8,050	9,870	11,400	2,460	3,480	1,500
11	9,310	5,990	6,650	4,240	7,250	12,700	9,170	2,400	2,940	1,500
12	5,700	6,890	5,790	4,100	6,190	13,600	7,370	2,406	2,640	1,440
13	4,520	7,370	5,180	4,030	5,610	13,200	5,990	2,460	2,400	1,380
14	4,030	6,770	4,800	3,960	5,180	11,700	5,340	2,460	2,340	1,620
15	3,750	5,700	4,590	4,170	5,020	9,450	4,870	2,460	2,340	2,820
16	3,540	5,340	4,380	4,380	5,020	8,190	4,660	2,520	2,460	3,960
17	3,420	5,610	4,310	4,730	5,260	6,190	4,450	2,529	2,580	4,800
18	3,300	6,190	4,240	5,180	5,610	5,990	4,310	2,340	2,820	5,180
19	3,180	7,010	4,240	5,260	5,700	6,090	4,380	2,220	3,060	5,430
20	3,120	7,770	4,310	4,800	5,520	7,130	4,590	2,220	2,940	5,260
21	3,060	7,910	4,240	4,660	5,100	8,470	4,870	2,280	2,760	4,590
22	3,120	7,490	4,450	5,100	4,730	9,870	5,020	2,340	2,520	3,860
23	3,240	6,190	4,800	6,090	4,520	12,000	4,870	2,340	2,280	2,880
24	3,360	5,260	5,610	6,890	4,380	10,200	4,450	2,460	2,100	2,580
25	3,420	4,800	6,530	6,890	4,310	9,310	4,100	2,760	1,920	2,460
26	3,420	4,800	7,250	6,530	4,240	8,470	3,750	2,940	* 1,890	2,820
27	3,300	4,940	7,250	5,790	4,170	6,650	3,540	2,940	1,860	2,880
28	3,180	5,180	6,410	5,430	4,170	5,990	3,420	2,880	1,800	2,880
29	3,060	5,700	5,790	5,790	-----	5,790	3,360	2,820	1,620	* 2,800
30	3,000	6,650	5,340	7,630	-----	5,790	3,240	2,820	1,560	* 2,500
31	3,000	-----	5,260	9,730	-----	5,700	-----	2,700	-----	* 2,300

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	35,500	3,000	9,780	2.84	3.27
November	7,910	3,000	5,640	1.64	1.83
December	9,310	4,240	5,940	1.73	1.99
January	9,730	3,960	5,270	1.53	1.78
February	15,000	4,170	7,430	2.16	2.25
March	14,300	4,520	9,060	2.63	3.08
April	15,400	3,240	6,300	1.83	2.04
May	3,180	2,220	2,640	.767	.88
June	3,820	1,560	2,490	.724	.81
July	5,430	1,380	2,670	.776	.89

* Estimated.

FLINT RIVER AT OAKFIELD, GA.

LOCATION.—Water-stage recorder at Georgia, Southwestern & Gulf Railroad bridge 1 mile southwest of Oakfield, Worth County.

DRAINAGE AREA.—3,840 square miles.

RECORDS AVAILABLE.—January to September, 1930.

EXTREMES.—Maximum discharge during period, 14,000 second-feet Apr. 10 (gage height, 12.40 feet); minimum, 320 second-feet July 14 (gage height, 0.98 foot).

REMARKS.—Records good. Considerable diurnal fluctuation caused by operations at Country Power Dam, 8 miles above station.

Daily and monthly discharge, in second-feet, 1930

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.		10,400	5,120	6,810	3,600	2,330	1,410	1,450	974
2.		10,300	6,160	6,290	3,480	2,220	1,580	3,360	616
3.		9,420	7,460	6,160	3,480	2,170	1,770	7,200	592
4.		8,240	8,500	6,940	3,360	2,120	2,070	5,280	598
5.		7,330	9,280	7,980	3,240	2,330	2,170	3,980	592
6.		7,070	10,500	9,420	3,180	2,550	2,020	3,090	775
7.		7,720	12,100	10,700	3,060	2,660	1,320	1,500	2,880
8.		8,890	13,200	12,400	2,940	2,170	1,110	1,920	1,820
9.	5,250	10,100	12,900	13,600	2,880	3,960	1,150	2,250	1,920
10.	5,120	10,100	12,100	13,800	2,940	3,960	691	2,440	1,400
11.	4,860	9,020	11,200	12,800	3,000	3,360	966	1,350	1,110
12.	4,600	8,240	11,500	11,100	3,120	2,880	982	1,590	2,220
13.	4,600	8,630	12,400	9,150	3,000	2,600	775	2,090	3,200
14.	4,600	7,980	12,600	7,330	3,060	2,440	484	2,740	
15.	4,730	6,160	12,200	7,590	3,120	2,380	1,110	3,310	
16.	5,380	6,160	11,100	5,640	3,360	2,440	1,830	2,840	
17.	5,770	6,160	9,700	5,380	3,480	2,550	3,820	4,080	5,250
18.	6,030	6,420	8,240	5,120	3,600	2,550	5,900	2,190	
19.	6,160	6,550	7,590	5,900	3,720	3,000	4,730	2,270	
20.	5,900	6,550	7,850	6,420	3,480	3,360	3,180	1,920	
21.	5,640	6,160	8,630	6,680	3,600	2,660	6,160	1,680	5,250
22.	6,030	5,770	9,290	6,550	3,600	2,500	4,860	754	3,840
23.	7,070	5,380	9,840	6,290	3,480	2,720	5,380	787	5,120
24.	7,720	5,120	10,400	5,900	3,360	2,660	2,370	2,080	5,770
25.	8,240	5,120	10,500	5,250	3,360	2,440	2,010	2,660	6,550
26.	8,110	4,990	10,100	4,600	3,120	2,220	2,220	2,370	6,680
27.	7,460	4,860	8,890	4,210	2,940	2,120	2,600	1,550	6,030
28.	6,810	4,730	7,720	3,960	2,720	2,020	3,480	628	3,840
29.	6,810		7,330	3,840	2,600	1,920	2,330	1,250	3,480
30.	7,980		7,070	3,600	2,500	1,770	1,920	2,550	2,940
31.	9,420		6,940		2,380		1,740	2,770	
Month			Maximum	Minimum	Mean	Per square mile		Run-off in inches	
January 9-31.			9,420	4,600	6,270	1.63		1.39	
February			10,400	4,730	7,270	1.89		1.97	
March			13,200	5,120	9,630	2.51		2.59	
April			13,800	3,600	7,380	1.92		2.14	
May			3,720	2,380	3,190	.831		.96	
June			3,960	1,770	2,570	.669		.75	
July			6,160	484	2,390	.622		.72	
August			7,200	628	2,450	.638		.74	
September			6,680	592	3,090	.805		.90	

FLINT RIVER AT ALBANY, GA.

LOCATION.—At Georgia Northern Railway bridge in Albany, Dougherty County, 1 mile upstream from Dougherty County highway bridge.

DRAINAGE AREA.—5,160 square miles (revised).

RECORDS AVAILABLE.—February, 1897, to June, 1921; September, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 37,100 second-feet Oct. 4 (gage height, 25.12 feet); minimum, 284 second-feet Sept. 7, 1930 (gage height, 1.26 feet).

1897-1921, 1929-30: Maximum gage height, 32.4 feet Mar. 25, 1897 (discharge not determined); minimum discharge, that of Sept. 7, 1930. Maximum stage known, 37.84 feet Mar. 21, 1925 (discharge, 92,000 second-feet).

REMARKS.—Records good. Considerable diurnal fluctuation caused by power plants above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		12,300	4,420	8,760	7,750	12,800	5,440	9,040	5,230	3,400	2,240	3,400	2,500
2		18,500	4,420	8,050	7,450	13,900	7,900	8,900	4,700	2,880	2,190	3,700	1,520
3		27,100	4,330	8,620	8,050	13,400	7,110	7,900	4,060	2,820	2,080	8,480	1,480
4		34,700	4,420	8,340	7,450	15,000	9,740	8,900	4,060	2,360	1,060	8,760	1,620
5		35,600	5,020	8,480	8,480	15,800	10,700	10,300	4,330	2,760	2,560	6,410	1,660
6		33,000	6,770	9,040	7,450	16,400	12,300	12,200	3,620	3,400	1,390		1,300
7	2,760	33,400	7,750	9,180	8,200	16,300	13,500	13,200	3,970	3,700	2,140		475
8	1,520	33,000	8,340	10,800	6,000	14,600	14,800	14,800	3,880	4,420	2,560		1,750
9	2,760	30,600	8,480	9,880	7,110	13,600	15,700	16,600	3,700	4,600	2,430		1,920
10	2,760	26,600	8,050	10,400	6,770	11,700	14,800	16,000	3,620	5,020	1,660	4,800	2,360
11	2,560	22,200	4,150	9,460	5,650	11,100	14,400	15,100	3,880	4,420	1,570		3,250
12	2,560	17,800	4,060	8,900	5,650	6,410	13,600	13,600	3,970	4,240	1,160		3,100
13	2,560	12,100	4,700	8,200	3,790	9,320	14,200	12,000	4,150	4,240	1,750		3,180
14	2,620	8,760	5,440	6,940	4,330	8,340	14,500	10,000	3,970	3,880	1,570	2,820	1,440
15	1,620	7,280	6,220	8,760	4,920	8,050	14,400	9,180	4,700	1,520	985	3,250	3,550
16	2,950	6,940	6,940	7,110	5,440	8,340	14,500	7,750	4,330	2,950	920	4,330	4,150
17	3,100	6,410	6,770	5,650	6,600	10,700	12,000	7,600	3,620	3,100	2,300	3,700	5,650
18	3,100	6,220	6,030	7,110	6,940	8,480	10,700	7,280	4,920	3,790	6,940	3,480	5,650
19	3,180	5,840	7,900	6,770	8,200	5,650	10,200	7,110	4,600	3,790	6,410	3,100	6,030
20	3,180	5,340	8,600	6,600	6,940	8,340	10,200	10,800	4,330	5,440	3,970	2,880	7,600
21	3,250	5,840	8,480	6,600	7,450	8,050	11,500	10,800	4,510	4,810	6,030	2,560	8,760
22	3,480	6,220	13,200	7,600	6,770	7,110	11,800	9,460	4,700	3,550	7,280	2,360	5,650
23	4,150	2,760	9,460	6,770	7,900	7,450	12,800	8,760	4,600	3,880	5,020	1,750	6,770
24	3,700	2,690	9,180	7,900	9,040	4,810	13,400	8,340	3,550	3,880	4,700	327	6,940
25	3,480	3,400	7,750	8,900	9,460	6,940	13,800	7,450	4,240	3,700	2,560	2,880	8,200
26	4,240	5,120	6,940	9,740	10,800	5,650	12,800	6,220	3,790	3,700	2,880	3,400	7,900
27	5,650	6,030	7,450	10,000	9,180	5,020	12,400	6,410	3,790	3,880	1,390	3,100	7,750
28	6,220	4,150	7,900	9,320	8,900	5,840	10,600	5,440	3,700	3,400	4,920	2,900	4,810
29	8,200	5,120	6,600	10,200	8,340		9,600	5,440	3,480	1,440	3,970	1,750	4,600
30	8,340	3,970	7,900	8,620	9,180		9,740	5,440	3,250	2,690	3,480	1,870	4,150
31		4,060		8,200	10,700		8,760		2,880		3,400	1,340	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
September 7-30	8,340	1,520	3,670	0.711	0.63
1929-30					
October	35,600	2,690	14,000	2.71	3.12
November	13,200	4,060	6,900	1.34	1.50
December	10,800	5,650	8,420	1.63	1.88
January	10,800	3,790	7,470	1.45	1.67
February	16,400	4,810	9,970	1.93	2.01
March	15,700	5,440	11,900	2.31	2.66
April	16,600	5,440	9,750	1.89	2.11
May	5,230	2,880	4,070	.789	.91
June	5,440	1,440	3,590	.696	.78
July	7,280	920	3,020	.585	.67
August	8,760	327	3,740	.725	.84
September	8,760	475	4,190	.812	.91
The year	35,600	327	7,240	1.40	19.06

FLINT RIVER AT BAINBRIDGE, GA.

LOCATION.—At Decatur County Memorial Highway Bridge in Bainbridge, 25 miles above confluence of Flint and Chattahoochee Rivers. Zero of gage 58.06 feet above mean sea level.

DRAINAGE AREA.—7,290 square miles.

RECORDS AVAILABLE.—January, 1908, to December, 1913; December, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 35,500 second-feet Oct. 9 (gage height, 24.97 feet); minimum daily mean discharge, 2,890 second-feet July 17 (gage height, estimated, 5.38 feet).

1908–1913, 1928–1930: Maximum discharge, 83,200 second-feet Mar. 21, 1929 (gage height, 37.73 feet); minimum, 2,740 second-feet Oct. 8–11, 1911.

Maximum discharge known, 101,000 second-feet Jan. 24, 1925 (gage height, 40.9 feet, present datum).

REMARKS.—Records good.

Daily discharge, in second-feet, 1908–1913 and 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1908												
1				25,400	13,800	18,200	39,600	32,200	10,400	6,950	6,950	12,200
2				23,400	17,900	17,400	38,200	34,800	10,100	6,510	6,730	12,200
3				23,400	21,200	16,700	35,300	39,300	10,100	6,300	6,400	11,600
4				22,400	25,700	16,000	29,800	46,300	9,710	6,200	6,300	9,190
5				22,400	29,800	15,400	21,400	46,600	9,450	6,400	5,900	7,550
6				22,400	32,200	14,800	19,400	47,600	9,320	6,620	6,000	7,310
7				24,400	31,900	14,200	17,700	44,800	9,320	6,950	6,000	7,070
8				25,400	31,200	13,700	16,500	39,000	9,190	7,310	6,000	7,070
9				27,000	30,500	13,600	15,700	30,500	9,190	7,550	6,300	7,070
10				28,800	30,500	13,400	18,100	21,800	9,320	7,910	6,510	7,310
11				30,500	29,400	13,000	14,800	19,800	8,800	8,540	7,190	7,790
12				31,200	27,200	12,500	13,800	18,200	8,670	9,060	7,430	7,910
13				30,700	24,400	12,200	13,600	16,800	8,670	9,320	7,070	7,430
14				30,100	22,400	11,900	13,100	15,600	8,540	9,450	6,620	6,950
15				29,800	22,000	11,500	11,900	14,400	8,410	9,450	6,200	6,510
16				29,200	22,400	11,500	13,800	13,700	8,030	9,060	5,900	6,100
17				27,600	23,200	11,200	12,100	12,600	7,670	8,800	5,630	5,900
18				25,700	24,200	11,100	13,600	12,200	7,310	8,670	5,450	5,630
19				23,400	25,400	10,900	15,400	11,800	7,070	7,910	5,210	5,540
20				21,800	26,100	10,500	16,000	11,400	7,070	7,670	5,370	5,540
21				19,600	26,800	10,200	16,800	11,400	7,070	7,670	5,050	5,540
22				18,000	27,600	10,200	17,200	11,400	7,070	8,280	5,130	5,290
23				16,800	28,800	10,800	17,400	11,400	7,070	8,540	6,300	5,130
24				15,900	28,800	14,800	16,800	11,400	7,070	8,540	6,730	5,540
25				15,200	28,800	19,800	16,200	11,100	7,070	7,790	6,510	5,630
26				14,900	27,600	32,900	16,500	10,800	7,550	7,550	7,550	5,630
27				14,800	26,100	38,800	17,000	10,500	7,550	7,310	9,190	5,630
28				14,400	23,400	43,000	19,400	10,500	7,790	7,790	10,800	5,630
29				14,200	20,800	43,600	24,600	10,900	7,670	8,150	11,500	5,630
30				13,800	-----	42,400	29,200	10,900	7,310	8,150	11,800	5,630
31				13,400	-----	40,700	-----	10,700	-----	7,430	12,100	-----

Daily discharge, in second-feet, of Flint River at Bainbridge, Ga., 1908-1913 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1908-9												
1.....	5,630	5,050	4,970	9,840	5,050	14,900	19,100	11,800	7,310	5,630	5,130	4,100
2.....	5,370	5,540	4,970	8,030	5,050	14,200	16,400	12,600	7,310	5,540	5,810	3,960
3.....	5,290	5,810	4,970	7,310	5,050	13,000	14,900	13,700	6,730	5,370	6,510	3,960
4.....	5,210	5,810	4,970	6,400	4,890	11,200	13,700	14,900	6,300	5,630	6,510	3,900
5.....	5,130	5,540	5,130	6,400	4,810	9,840	12,600	15,200	6,100	6,000	5,810	3,960
6.....	5,290	5,540	5,210	6,400	4,810	9,190	11,800	15,200	6,510	6,100	5,900	3,900
7.....	4,890	5,540	5,290	6,400	4,810	8,670	10,800	14,900	6,950	5,630	6,510	3,780
8.....	4,810	5,630	5,370	6,620	4,810	8,280	10,200	14,800	7,790	5,450	7,190	3,900
9.....	4,810	5,810	5,210	7,910	5,210	8,280	10,100	14,400	8,280	5,450	7,910	3,900
10.....	4,810	5,900	5,050	7,430	5,900	8,540	10,100	14,200	8,540	5,450	8,670	3,840
11.....	4,890	5,720	5,050	6,400	6,400	8,930	10,500	12,500	8,030	5,900	9,060	3,780
12.....	4,970	5,540	5,130	6,200	7,790	9,710	11,200	9,840	6,950	6,840	8,800	3,780
13.....	5,210	5,370	5,210	6,000	9,320	10,500	11,600	8,930	6,300	7,550	8,030	3,840
14.....	5,450	5,290	5,290	5,900	10,800	11,600	11,400	8,670	5,720	8,150	7,070	3,900
15.....	5,810	5,130	5,630	5,720	12,200	13,200	10,500	8,930	5,540	8,800	6,400	3,900
16.....	5,210	4,970	6,000	5,720	14,400	16,000	9,840	8,670	5,370	8,280	6,400	3,900
17.....	5,130	4,890	6,200	5,720	16,800	19,100	10,500	8,410	5,210	7,790	6,510	3,840
18.....	5,050	5,050	6,000	5,720	18,400	22,200	9,190	7,550	5,210	7,670	6,950	3,840
19.....	4,970	5,290	5,720	5,720	18,900	25,000	9,060	6,950	5,720	7,550	7,070	3,900
20.....	4,810	5,290	5,450	5,720	18,400	27,400	8,670	6,840	5,900	7,190	6,950	4,310
21.....	4,730	5,290	5,290	5,900	18,400	29,400	8,150	6,840	6,100	6,400	6,510	4,590
22.....	4,730	5,210	5,210	6,100	18,400	31,200	7,790	7,550	6,100	6,100	5,810	4,730
23.....	4,730	5,050	5,210	6,100	19,800	31,700	7,430	8,030	6,100	5,900	5,370	4,810
24.....	4,730	5,050	5,210	5,900	20,200	31,700	7,310	8,540	6,100	5,810	5,070	4,730
25.....	4,730	5,050	5,450	5,720	19,600	32,900	7,430	8,540	6,200	5,810	4,890	4,520
26.....	4,730	5,050	6,300	5,720	18,200	33,600	7,550	8,540	6,840	5,720	4,660	4,730
27.....	4,730	4,970	6,950	5,540	16,700	32,900	8,150	7,670	6,950	5,630	4,520	5,050
28.....	4,730	4,810	7,910	5,450	15,900	31,900	8,800	7,190	7,070	5,810	4,380	5,130
29.....	4,730	4,810	8,670	5,370	-----	30,300	9,840	6,950	6,510	5,810	4,380	5,210
30.....	4,730	4,810	9,450	5,290	-----	27,900	10,800	6,840	5,900	5,630	4,170	4,890
31.....	4,810	-----	10,100	5,210	-----	23,800	-----	6,840	-----	5,210	4,030	-----
1909-10												
1.....	4,520	3,720	4,030	4,660	5,450	12,200	5,210	6,100	4,100	4,730	7,310	3,780
2.....	4,310	3,780	3,960	4,590	6,730	12,400	5,130	5,900	4,240	4,970	6,950	3,540
3.....	4,240	3,660	3,900	4,520	7,550	13,100	5,050	5,630	4,450	5,210	6,510	3,540
4.....	4,030	3,540	3,900	4,520	8,150	13,400	4,970	5,450	4,240	5,540	5,900	3,660
5.....	3,960	3,600	3,840	4,590	8,280	13,700	4,890	5,290	3,960	5,810	5,450	3,900
6.....	3,900	3,660	3,960	4,450	7,310	13,600	4,890	5,450	3,780	5,900	5,050	4,100
7.....	3,840	3,660	4,030	4,380	6,400	14,400	4,810	5,290	3,660	5,720	4,810	4,520
8.....	3,780	3,600	4,100	4,450	6,100	14,900	4,660	5,050	3,540	5,630	4,660	4,970
9.....	3,720	3,720	3,960	4,450	6,000	16,500	4,730	4,730	3,420	5,450	4,660	5,370
10.....	3,780	3,660	3,840	4,380	5,810	17,000	4,660	4,730	3,540	6,300	5,050	4,810
11.....	3,660	3,660	3,780	4,310	6,000	17,900	4,590	4,810	3,720	6,950	4,810	4,310
12.....	3,660	3,600	3,900	4,310	6,200	15,900	4,730	4,730	3,780	7,550	4,970	4,030
13.....	3,720	3,600	4,030	4,450	5,810	13,100	4,590	4,590	3,960	8,150	4,970	3,960
14.....	3,780	3,600	4,170	4,590	5,450	11,100	4,590	4,450	4,380	7,910	4,730	4,170
15.....	3,600	3,600	4,240	4,660	5,370	9,840	4,730	4,590	4,660	7,190	4,590	3,900
16.....	3,540	3,660	4,240	4,590	6,200	7,910	4,660	4,590	4,520	6,730	4,450	4,100
17.....	3,540	3,780	4,170	4,450	6,300	7,670	4,890	4,450	4,590	6,300	4,240	3,840
18.....	3,480	3,660	4,310	4,310	6,300	7,430	5,290	4,380	5,540	6,730	4,170	3,540
19.....	3,480	3,600	4,450	4,380	6,620	7,670	6,100	4,310	6,200	5,720	4,030	3,600
20.....	3,480	3,600	4,590	4,520	6,400	7,070	6,510	4,170	7,070	5,540	4,030	3,900
21.....	3,720	3,600	4,590	4,380	6,510	6,400	9,320	4,170	7,670	5,630	3,960	4,100
22.....	3,840	3,540	4,590	4,310	6,730	6,300	12,400	4,100	8,150	5,810	3,900	4,380
23.....	3,780	3,600	4,660	4,380	8,410	6,510	13,800	4,030	7,070	6,200	3,900	4,310
24.....	3,780	3,600	4,730	4,450	9,450	6,200	15,200	4,240	6,300	6,730	4,030	4,100
25.....	3,840	3,600	4,730	4,590	10,400	6,000	15,100	4,170	5,720	7,430	4,240	3,840
26.....	3,900	3,660	4,660	4,730	11,400	5,720	16,400	4,240	5,540	6,950	4,660	3,660
27.....	3,900	3,720	4,520	4,890	11,800	5,630	13,000	4,310	5,290	6,400	4,890	3,480
28.....	3,720	3,840	4,590	5,050	11,600	5,540	8,150	4,240	5,050	6,300	4,810	3,360
29.....	3,780	3,960	4,660	5,050	-----	5,370	6,730	4,170	4,890	6,510	4,660	3,310
30.....	3,720	4,030	4,730	5,210	-----	5,290	6,300	4,030	4,660	6,730	4,380	3,160
31.....	3,660	-----	4,730	5,370	-----	5,210	-----	3,960	-----	7,070	3,960	-----

Daily discharge, in second-feet, of Flint River at Bainbridge, Ga., 1908-1918 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1910-11												
1	3, 110	3, 060	3, 420	3, 900	4, 170	4, 310	6, 620	4, 170	3, 840	3, 110	3, 310	3, 260
2	3, 110	3, 060	3, 660	3, 900	4, 100	4, 240	6, 100	4, 170	3, 660	3, 420	3, 310	3, 260
3	3, 160	3, 060	3, 660	4, 030	4, 030	4, 170	5, 630	4, 170	3, 540	3, 360	3, 260	3, 310
4	3, 110	3, 060	3, 420	4, 380	4, 030	4, 100	5, 370	4, 170	3, 360	3, 260	3, 260	3, 420
5	3, 720	3, 060	3, 600	4, 450	3, 960	4, 030	5, 130	4, 100	3, 310	3, 360	3, 360	3, 360
6	3, 600	3, 060	3, 420	5, 130	4, 030	4, 030	5, 210	4, 100	3, 260	3, 360	3, 960	3, 260
7	3, 420	3, 060	3, 360	5, 900	4, 030	3, 900	5, 050	4, 100	3, 260	3, 310	4, 590	3, 160
8	3, 310	3, 060	3, 480	6, 730	3, 960	3, 900	5, 630	4, 030	3, 310	3, 260	5, 900	3, 360
9	3, 360	3, 110	3, 600	7, 790	3, 900	3, 960	5, 720	4, 030	3, 310	3, 260	6, 300	3, 310
10	3, 310	3, 210	3, 840	8, 670	4, 100	4, 030	5, 810	3, 720	3, 260	3, 310	6, 300	3, 260
11	3, 210	3, 260	4, 030	9, 060	4, 170	4, 030	6, 100	3, 840	3, 210	3, 660	5, 130	3, 260
12	3, 600	3, 210	4, 240	8, 930	4, 890	3, 840	6, 730	3, 840	3, 210	3, 660	4, 310	3, 260
13	3, 660	3, 210	4, 170	7, 550	4, 450	3, 780	6, 950	3, 900	3, 210	3, 840	4, 240	3, 210
14	3, 660	3, 210	3, 960	6, 300	4, 590	3, 840	6, 950	3, 960	3, 160	3, 960	4, 380	3, 210
15	3, 660	3, 160	3, 900	5, 630	5, 130	3, 780	7, 070	3, 480	3, 160	4, 030	4, 240	3, 160
16	3, 600	3, 110	3, 780	5, 130	5, 450	3, 720	6, 840	3, 480	3, 160	3, 780	3, 660	3, 110
17	3, 480	3, 110	3, 660	5, 050	6, 100	3, 720	6, 840	3, 420	3, 110	3, 660	4, 030	3, 060
18	3, 420	3, 110	3, 600	4, 970	6, 000	3, 660	6, 620	3, 420	3, 060	4, 030	3, 960	2, 960
19	3, 310	3, 110	3, 540	4, 730	5, 900	3, 600	6, 400	3, 420	3, 010	4, 310	3, 960	2, 910
20	3, 310	3, 210	3, 660	4, 730	5, 630	3, 600	5, 810	3, 360	2, 910	4, 590	3, 960	2, 910
21	3, 310	3, 260	3, 780	4, 590	5, 540	3, 660	5, 450	3, 360	2, 910	4, 970	3, 960	2, 860
22	3, 260	3, 310	3, 840	4, 450	5, 210	3, 660	5, 370	3, 360	2, 910	5, 130	4, 030	2, 910
23	3, 160	3, 660	3, 840	4, 380	4, 810	3, 720	5, 370	3, 360	2, 960	5, 050	4, 310	2, 960
24	3, 110	3, 720	4, 100	4, 310	4, 730	3, 720	5, 290	3, 660	3, 010	4, 810	4, 240	2, 960
25	3, 060	3, 600	3, 960	4, 380	4, 890	3, 780	5, 210	3, 960	3, 060	4, 860	3, 840	3, 010
26	3, 060	3, 420	3, 840	4, 310	4, 730	3, 780	4, 890	4, 170	3, 110	4, 520	3, 660	3, 010
27	3, 060	3, 420	3, 780	4, 380	4, 590	3, 900	4, 730	4, 450	3, 110	4, 310	3, 540	3, 060
28	3, 110	3, 480	3, 780	4, 450	4, 520	4, 310	4, 380	4, 560	3, 480	4, 170	3, 420	3, 210
29	3, 110	3, 310	3, 900	4, 310	-----	4, 590	4, 310	4, 660	3, 110	3, 840	3, 360	3, 160
30	3, 110	3, 310	3, 900	4, 310	-----	5, 470	4, 240	4, 310	3, 110	3, 660	3, 310	3, 110
31	3, 060	-----	3, 900	4, 170	-----	6, 300	-----	4, 030	-----	3, 420	3, 310	-----
1911-12												
1	3, 060	4, 100	3, 960	25, 000	13, 400	28, 800	26, 100	47, 600	10, 500	12, 800	8, 150	8, 410
2	2, 960	4, 170	3, 900	24, 400	15, 100	28, 800	26, 100	41, 500	10, 400	13, 700	7, 910	8, 030
3	2, 860	4, 310	3, 900	21, 400	16, 000	27, 000	25, 900	35, 000	10, 800	13, 800	7, 430	7, 550
4	2, 860	4, 450	3, 900	20, 600	17, 000	26, 100	25, 200	29, 000	10, 700	14, 000	8, 270	7, 190
5	2, 820	4, 310	3, 840	19, 800	18, 000	25, 000	25, 000	24, 800	10, 100	13, 200	8, 260	6, 840
6	2, 780	4, 100	3, 960	19, 100	18, 700	20, 800	24, 000	23, 600	10, 400	12, 400	9, 580	6, 510
7	2, 780	3, 780	4, 030	19, 300	18, 400	21, 000	23, 200	23, 200	10, 800	12, 400	10, 200	6, 400
8	2, 740	3, 780	3, 840	19, 400	18, 000	21, 000	20, 400	23, 600	12, 100	11, 600	10, 900	6, 200
9	2, 740	3, 780	3, 840	20, 600	17, 700	22, 400	18, 000	24, 400	13, 600	11, 100	10, 400	6, 300
10	2, 740	3, 840	3, 780	26, 600	16, 200	23, 200	15, 900	25, 000	14, 400	10, 800	10, 100	6, 400
11	2, 740	3, 900	3, 720	34, 600	14, 800	24, 600	15, 200	26, 300	15, 100	10, 500	11, 100	6, 620
12	2, 780	4, 240	3, 660	41, 200	12, 800	24, 800	14, 800	26, 600	16, 400	10, 800	12, 100	6, 840
13	2, 780	4, 520	3, 660	44, 200	11, 200	25, 400	14, 600	25, 200	18, 200	10, 800	13, 200	7, 190
14	2, 820	4, 810	3, 660	41, 200	11, 900	26, 300	14, 600	23, 000	18, 400	10, 800	14, 000	7, 310
15	2, 820	5, 130	3, 720	39, 800	12, 200	28, 100	14, 600	20, 600	16, 400	11, 900	14, 200	7, 310
16	2, 960	5, 290	3, 780	38, 800	12, 500	29, 800	14, 400	19, 100	14, 400	12, 500	13, 600	7, 670
17	2, 860	5, 210	3, 960	37, 200	13, 800	35, 600	14, 200	17, 000	12, 600	13, 400	12, 800	7, 430
18	2, 860	4, 730	4, 890	31, 000	15, 100	38, 500	14, 300	15, 900	12, 500	14, 000	11, 500	7, 190
19	2, 820	4, 450	6, 300	25, 700	16, 400	41, 800	16, 000	15, 200	12, 600	14, 800	10, 100	6, 950
20	2, 960	4, 240	7, 310	21, 400	16, 000	42, 700	19, 100	14, 400	12, 800	15, 200	9, 710	6, 730
21	2, 960	3, 960	7, 310	20, 200	16, 700	42, 100	24, 600	13, 800	13, 000	16, 500	9, 450	6, 950
22	3, 010	3, 960	7, 310	18, 000	17, 900	43, 300	30, 500	13, 700	13, 100	15, 700	9, 580	7, 070
23	3, 110	3, 960	8, 150	15, 700	20, 000	45, 100	38, 200	12, 500	12, 500	15, 100	10, 100	7, 190
24	3, 140	3, 900	15, 700	15, 900	21, 200	47, 300	47, 300	12, 500	10, 100	13, 800	10, 200	7, 430
25	4, 570	3, 900	23, 000	15, 900	22, 800	45, 400	65, 200	12, 400	10, 100	13, 800	10, 400	8, 280
26	4, 890	3, 780	29, 400	15, 600	24, 800	42, 100	72, 800	11, 200	10, 700	11, 600	10, 700	8, 800
27	5, 290	3, 660	32, 200	14, 600	26, 800	38, 500	72, 300	10, 800	10, 400	9, 970	10, 200	9, 320
28	5, 720	3, 540	31, 700	13, 400	28, 500	33, 400	68, 200	10, 700	11, 500	9, 320	10, 100	10, 200
29	6, 600	3, 600	25, 400	13, 000	29, 200	29, 200	61, 300	10, 100	11, 600	8, 930	9, 840	11, 100
30	4, 240	3, 780	27, 600	12, 800	-----	27, 200	57, 500	9, 970	11, 900	8, 410	9, 840	11, 900
31	4, 030	-----	26, 600	12, 600	-----	26, 600	-----	10, 200	-----	8, 150	9, 190	-----

Daily discharge, in second-feet, of Flint River at Bainbridge, Ga., 1908-1913 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1912-13												
1.....	10,900	7,070	7,790	13,600	11,400	16,200	31,000	10,400	7,190	5,540	17,400	6,000
2.....	10,200	6,950	7,790	13,000	11,600	18,700	29,200	9,970	6,730	5,900	17,700	6,400
3.....	9,840	6,840	7,910	12,600	11,800	21,060	28,500	9,710	6,510	5,810	17,800	6,360
4.....	9,450	6,730	8,030	13,100	12,500	23,200	28,500	9,710	6,730	5,810	9,580	5,900
5.....	9,450	6,620	7,910	13,000	13,800	25,700	27,200	9,450	6,950	5,630	9,320	5,720
6.....	9,320	6,840	7,790	12,600	15,200	28,300	24,400	9,190	7,190	5,630	9,060	5,630
7.....	8,930	6,950	7,670	12,500	15,700	29,200	22,000	8,930	7,790	5,540	9,320	5,540
8.....	8,800	9,580	7,550	12,400	16,000	28,100	19,400	8,800	8,150	5,900	9,190	5,630
9.....	7,070	11,100	7,430	12,200	16,000	26,600	18,200	8,540	8,280	6,200	8,930	6,400
10.....	7,670	14,900	7,190	11,900	15,900	24,200	17,000	8,410	9,060	5,630	8,410	7,190
11.....	7,550	16,700	7,310	11,600	16,000	20,000	16,500	8,540	9,710	5,900	8,410	7,430
12.....	7,550	16,200	7,190	11,500	15,700	17,200	15,900	8,280	10,500	5,720	9,060	6,950
13.....	7,550	14,000	7,310	11,100	14,000	15,600	16,500	8,280	11,100	5,630	8,670	6,400
14.....	7,790	10,800	7,310	9,450	13,400	15,700	18,200	8,030	11,500	5,540	8,030	6,100
15.....	8,030	10,900	7,190	9,450	12,800	17,200	20,000	8,030	11,400	5,630	7,550	5,720
16.....	8,410	9,970	7,430	9,320	13,100	22,800	21,400	7,910	10,700	6,300	6,950	5,450
17.....	9,190	9,320	7,670	9,190	13,200	31,400	21,600	7,910	9,450	6,300	6,620	5,630
18.....	10,400	8,670	7,910	8,930	12,800	39,000	20,200	7,790	8,410	6,200	6,730	5,720
19.....	12,500	8,410	8,030	8,800	12,200	46,600	17,900	7,670	7,910	6,200	6,840	6,000
20.....	11,600	8,280	8,670	8,670	11,400	51,400	16,000	7,670	7,430	6,100	6,400	6,100
21.....	11,400	8,150	7,670	8,540	10,800	55,600	14,800	7,550	6,840	5,900	6,200	6,730
22.....	11,400	8,150	7,550	8,540	10,800	60,600	13,800	7,430	6,510	5,900	5,900	7,310
23.....	11,200	8,150	7,310	8,410	10,500	63,500	13,200	7,670	6,400	6,100	5,720	7,910
24.....	11,100	8,410	7,070	8,540	11,900	62,600	12,600	8,150	6,200	6,950	5,540	8,150
25.....	10,800	8,670	6,840	8,540	13,100	59,000	12,200	8,030	6,100	8,030	5,370	8,410
26.....	9,970	8,670	6,620	8,800	13,600	53,000	11,600	7,790	6,100	9,060	5,290	7,670
27.....	9,320	8,540	6,510	9,060	13,700	47,300	11,200	7,910	5,900	9,450	5,290	6,840
28.....	8,930	8,540	8,280	9,450	13,800	42,100	10,900	7,910	5,810	9,710	5,540	6,400
29.....	8,280	8,410	11,600	10,500	-----	37,200	10,800	7,910	5,810	10,400	5,630	5,810
30.....	7,430	7,910	14,900	11,600	-----	34,300	10,700	7,670	5,630	10,700	5,540	5,630
31.....	7,190	-----	14,000	11,100	-----	32,600	-----	7,310	-----	10,700	5,540	-----
1913												
1.....	5,630	5,810	4,730	11.....	4,890	4,810	5,210	21.....	4,450	4,810	5,050	-----
2.....	5,370	5,540	4,730	12.....	4,890	5,210	5,370	22.....	4,520	4,970	4,970	-----
3.....	5,290	5,290	4,730	13.....	4,810	5,290	5,290	23.....	4,590	4,890	4,970	-----
4.....	5,540	5,130	4,730	14.....	4,660	5,210	5,210	24.....	5,130	4,890	5,050	-----
5.....	5,540	5,130	4,810	15.....	4,590	5,130	5,130	25.....	5,370	4,810	5,130	-----
6.....	5,450	5,050	4,890	16.....	4,520	5,130	5,050	26.....	5,630	4,810	4,890	-----
7.....	5,290	4,890	5,210	17.....	4,590	4,970	5,130	27.....	5,720	4,890	5,130	-----
8.....	5,210	4,970	5,290	18.....	4,450	4,810	5,050	28.....	6,300	4,810	5,290	-----
9.....	5,050	4,810	5,290	19.....	4,590	4,890	5,050	29.....	6,510	4,810	5,450	-----
10.....	4,970	4,810	5,210	20.....	4,590	4,810	5,050	30.....	6,300	4,730	5,540	-----
								31.....	6,000	-----	5,540	-----

Daily discharge, in second-feet, of Flint River at Bainbridge, Ga., 1908-1913 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1929-30												
1-----	9,590	7,550	9,850	11,200	14,900	10,100	13,700	9,590	5,630	4,530	6,390	3,410
2-----	12,900	7,430	11,000	10,900	16,900	9,720	13,400	9,330	5,750	5,750	6,720	3,980
3-----	16,500	7,430	10,500	10,600	18,700	10,900	13,300	8,810	5,410	4,420	7,310	3,680
4-----	24,400	7,190	10,600	10,600	18,500	11,200	12,600	8,420	5,410	4,530	9,720	3,590
5-----	31,000	7,310	10,800	10,600	20,000	12,400	13,300	8,290	4,970	3,980	10,400	3,590
6-----	34,800	7,550	10,900	11,200	20,900	13,900	14,600	8,290	5,080	4,200	9,070	3,590
7-----	35,300	8,550	11,500	10,600	21,300	15,400	16,500	7,790	5,750	4,090	8,160	3,500
8-----	35,000	9,330	12,200	10,800	21,300	16,200	18,000	7,790	6,110	4,090	6,610	3,680
9-----	35,300	9,980	12,600	10,100	20,300	17,200	19,000	7,550	6,830	4,420	6,170	3,680
10-----	34,800	10,200	12,300	10,400	19,600	18,000	20,100	7,310	6,710	4,310	5,620	4,080
11-----	33,100	9,850	12,600	10,100	18,000	18,200	20,500	7,310	7,070	3,780	4,880	4,280
12-----	30,100	9,330	12,400	9,460	16,500	18,000	20,000	7,190	7,070	3,680	4,980	4,580
13-----	25,400	9,720	11,600	9,850	15,400	17,600	18,500	7,310	6,590	3,280	5,080	4,680
14-----	19,600	10,100	10,900	9,330	14,200	17,400	16,900	7,310	6,350	3,080	4,880	4,980
15-----	14,600	10,600	9,980	9,200	13,600	17,800	14,900	7,190	5,990	3,880	4,980	4,280
16-----	12,600	10,500	9,720	9,460	13,000	17,800	13,600	7,430	4,750	3,080	5,290	4,680
17-----	11,500	9,980	9,720	10,100	12,600	17,600	12,300	7,310	4,860	2,890	5,840	5,730
18-----	11,000	9,590	8,810	10,900	14,000	16,200	11,900	7,070	5,520	3,080	5,510	6,390
19-----	10,500	9,720	9,330	11,300	13,700	14,800	12,000	7,310	6,110	6,110	5,730	7,070
20-----	9,850	10,100	9,070	12,200	10,500	14,200	12,600	7,550	5,990	7,190	5,290	7,790
21-----	9,330	10,200	9,070	11,200	14,000	14,000	15,100	7,190	6,710	5,990	5,180	9,330
22-----	9,330	10,900	9,200	11,800	13,700	15,100	15,700	7,190	7,190	6,350	5,080	10,500
23-----	9,460	11,500	11,000	12,300	12,000	16,200	14,600	7,310	6,350	7,550	4,980	9,200
24-----	7,430	11,500	9,720	12,400	11,800	17,100	13,900	7,190	6,110	6,350	4,780	8,310
25-----	6,830	10,900	10,400	12,400	10,400	18,000	13,000	6,830	5,870	6,470	3,980	9,070
26-----	7,310	10,400	11,000	13,400	10,800	18,300	12,000	6,950	5,750	5,080	4,180	9,590
27-----	8,030	9,590	11,900	14,800	10,200	17,800	11,200	6,830	5,750	5,080	4,980	9,590
28-----	8,290	9,980	12,300	13,700	9,720	17,100	10,600	6,590	5,750	4,220	4,980	9,460
29-----	7,910	9,590	12,200	13,700	-----	15,900	9,980	6,470	5,630	5,990	4,480	8,420
30-----	8,030	9,330	12,400	13,700	-----	14,800	9,720	6,230	4,530	6,230	3,980	7,550
31-----	7,550	-----	11,800	13,900	-----	14,500	-----	5,870	-----	6,230	3,780	-----

NOTE.—Tables of daily discharge, 1908-1913, are revised records based upon original data supplemented by recent discharge measurements used to define rating for high stages. These records supersede those previously published in water-supply papers.

Monthly discharge in second-feet, of Flint River at Bainbridge, Ga., 1908-1913 and 1929-30

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1908					
January-----	31,200	13,400	22,500	3.09	3.56
February-----	32,200	13,800	25,900	3.55	3.83
March-----	43,600	10,200	18,600	2.55	2.94
April-----	39,600	11,900	19,300	2.65	2.96
May-----	47,600	10,500	21,000	2.88	3.32
June-----	10,400	7,070	8,320	1.14	1.27
July-----	9,450	6,200	7,870	1.08	1.24
August-----	12,100	5,050	7,030	.964	1.11
September-----	12,200	5,130	6,970	.956	1.07
1908-9					
October-----	5,810	4,730	5,000	.686	.79
November-----	5,900	4,810	5,290	.726	.81
December-----	10,100	4,970	5,890	.808	.93
January-----	9,840	5,210	6,250	.857	.99
February-----	20,200	4,810	11,800	1.62	1.69
March-----	33,600	8,290	19,600	2.69	3.10
April-----	19,100	7,310	10,500	1.44	1.61
May-----	15,200	6,840	10,100	1.39	1.60
June-----	8,540	5,210	6,520	.894	1.00
July-----	8,800	5,210	6,320	.867	1.00
August-----	9,060	4,030	6,220	.853	.98
September-----	5,210	3,780	4,220	.579	.65
The year-----	33,600	3,780	8,130	1.12	15.15

Monthly discharge in second-feet, of Flint River at Bainbridge, Ga., 1908-1913 and 1929-30—Continued

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1909-10					
October.....	4,520	3,480	3,800	0.521	0.60
November.....	4,030	3,540	3,670	.503	.56
December.....	4,730	3,780	4,280	.587	.68
January.....	5,370	4,310	4,580	.628	.72
February.....	11,800	5,370	7,310	1.00	1.04
March.....	17,900	5,210	10,000	1.37	1.58
April.....	16,400	4,590	7,200	.988	1.10
May.....	6,100	3,960	4,660	.639	.74
June.....	8,150	3,420	4,920	.675	.75
July.....	8,150	4,730	6,320	.867	1.00
August.....	7,310	3,900	4,800	.658	.76
September.....	5,370	3,160	3,970	.545	.61
The year.....	17,900	3,160	5,450	.748	10.14
1910-11					
October.....	3,720	3,060	3,310	.454	.52
November.....	3,720	3,060	3,230	.443	.49
December.....	4,240	3,360	3,760	.516	.59
January.....	9,060	3,900	5,320	.730	.84
February.....	6,100	3,900	4,700	.645	.67
March.....	6,300	3,600	4,030	.553	.64
April.....	7,070	4,240	5,730	.786	.88
May.....	4,660	3,360	3,900	.535	.62
June.....	3,840	2,910	3,200	.439	.49
July.....	5,130	3,110	3,910	.536	.62
August.....	6,300	3,260	4,080	.560	.65
September.....	3,420	2,860	3,140	.431	.48
The year.....	9,060	2,860	4,020	.551	7.49
1911-12					
October.....	5,720	2,740	3,300	.453	.52
November.....	5,290	3,540	4,170	.572	.64
December.....	32,200	3,660	10,400	1.43	1.65
January.....	44,200	12,600	23,800	3.26	3.76
February.....	29,200	11,200	17,700	2.43	2.62
March.....	47,300	20,800	31,700	4.35	5.02
April.....	72,800	14,200	30,600	4.20	4.69
May.....	47,600	9,970	20,300	2.78	3.20
June.....	18,400	10,100	12,600	1.73	1.93
July.....	16,500	8,150	12,300	1.69	1.95
August.....	14,200	7,430	10,400	1.43	1.65
September.....	11,990	6,200	7,640	1.05	1.17
The year.....	72,800	2,740	15,400	2.11	28.80
1912-13					
October.....	12,500	7,070	9,330	1.28	1.48
November.....	16,700	6,620	9,350	1.28	1.43
December.....	14,900	6,510	8,080	1.11	1.28
January.....	13,600	8,410	10,600	1.45	1.67
February.....	16,000	10,800	13,300	1.82	1.90
March.....	63,500	15,600	34,400	4.72	5.44
April.....	31,000	10,700	18,400	2.52	2.81
May.....	10,400	7,310	8,340	1.14	1.31
June.....	11,500	5,630	7,800	1.07	1.19
July.....	10,700	5,540	6,790	.931	1.07
August.....	10,800	5,290	7,500	1.03	1.19
September.....	8,410	5,450	6,440	.883	.99
The year.....	63,500	5,290	11,700	1.60	21.76
1913					
October.....	6,510	4,450	5,180	.711	.82
November.....	5,810	4,730	5,000	.686	.77
December.....	5,540	4,730	5,100	.700	.81
1929-30					
October.....	35,300	6,830	17,300	2.37	2.73
November.....	11,500	7,190	9,530	1.31	1.46
December.....	12,600	8,810	10,900	1.50	1.73
January.....	14,800	9,200	11,400	1.66	1.80
February.....	21,300	9,720	15,200	2.08	2.17
March.....	18,300	9,720	15,600	2.14	2.47
April.....	20,500	9,720	14,400	1.98	2.21
May.....	9,590	5,870	7,450	1.02	1.18
June.....	7,190	4,530	5,920	.812	.91
July.....	7,550	2,890	4,840	.664	.77
August.....	10,400	3,780	5,770	.791	.91
September.....	10,500	3,320	6,080	.834	.93
The year.....	35,300	2,590	10,300	1.41	19.27

NOTE.—Tables of monthly discharge, 1908-1913, are revised records based upon original data supplemented by recent discharge measurements used to define rating for high stages. These records supersede those previously published in water-supply papers.

CHIPOLA RIVER NEAR ALTHA, FLA.

LOCATION.—Chain gage at Willis highway bridge, 3 miles above mouth of Tenmile Creek and 4 miles southwest of Altha, Calhoun County.

DRAINAGE AREA.—740 square miles.

RECORDS AVAILABLE.—November, 1912, to December, 1913; September, 1921, to September, 1927; August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 7,980 second-feet Oct. 2 (gage height, 25.20 feet); minimum, 570 second-feet Sept. 9 (gage height, 8.76 feet). 1912-13, 1921-1927, 1929-30: Maximum discharge, 25,000 second-feet September, 1926 (gage height, 33.55 feet); minimum, 430 second-feet Oct. 20, 1925.

REMARKS.—Records good. Slight fluctuation during low water caused by operation of small power plant on Dry Creek.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,000	1,320	1,720	1,480	2,440	1,360	2,380	1,280	885	860	1,240	677
2	7,980	1,280	1,600	1,480	2,410	1,460	2,200	1,200	860	810	960	660
3	7,740	1,280	1,840	1,480	2,330	1,560	2,200	1,240	860	810	910	660
4	5,700	1,280	1,950	1,320	2,440	1,520	2,300	1,200	910	810	860	600
5	4,840	1,240	1,780	1,340	3,230	1,440	2,410	1,160	910	810	810	660
6	4,910	1,310	1,670	1,360	3,070	1,440	2,320	1,110	910	810	760	600
7	4,980	1,240	1,700	1,360	2,910	1,810	2,240	1,160	910	810	760	600
8	4,340	1,240	1,720	1,360	2,710	2,070	2,100	1,160	935	810	760	600
9	3,910	1,240	1,740	1,360	2,630	2,040	2,070	1,110	960	810	860	570
10	3,390	1,220	1,700	1,280	2,550	2,010	2,040	1,110	960	760	835	660
11	2,950	1,200	1,600	1,240	2,440	1,980	1,920	1,080	910	760	810	660
12	2,550	1,200	1,560	1,260	2,270	1,950	1,880	1,060	960	760	810	760
13	2,360	1,160	1,480	1,280	2,130	1,920	1,780	1,060	910	760	760	760
14	2,160	1,160	1,480	1,280	2,010	1,840	1,670	1,060	910	760	760	810
15	2,010	1,160	1,420	1,280	2,010	1,950	1,560	1,060	910	760	760	860
16	1,920	1,160	1,360	1,400	2,000	2,000	1,520	1,010	910	760	760	810
17	1,810	1,160	1,360	1,520	1,980	2,040	1,520	1,010	910	760	785	760
18	1,740	1,160	1,320	1,640	1,880	1,950	1,740	1,010	960	810	810	1,010
19	1,670	1,110	1,320	1,660	1,810	1,950	2,550	1,010	910	760	810	1,240
20	1,640	1,110	1,280	1,670	1,740	1,920	2,300	1,010	910	760	860	1,160
21	1,600	1,060	1,200	1,780	1,520	1,880	2,040	1,010	910	760	860	1,360
22	1,560	1,110	1,360	2,160	1,530	2,010	1,840	960	885	760	860	1,360
23	1,440	1,280	1,520	2,270	1,550	2,300	1,780	960	860	760	810	1,640
24	1,440	1,360	1,560	2,070	1,560	2,590	1,780	960	810	760	785	1,700
25	1,440	1,440	1,600	1,980	1,600	2,520	1,640	960	810	710	760	1,880
26	1,360	1,600	1,640	1,930	1,480	2,440	1,520	960	810	710	710	1,810
27	1,340	1,740	1,700	1,880	1,440	2,340	1,460	960	810	735	710	1,700
28	1,320	1,830	1,700	1,880	1,400	2,480	1,400	960	760	760	710	1,630
29	1,400	1,920	1,680	2,340	-----	2,780	1,280	960	785	910	710	1,560
30	1,320	1,840	1,670	2,670	-----	2,670	1,280	935	810	860	710	1,640
31	1,320	-----	1,600	2,550	-----	2,550	-----	910	-----	860	693	-----
Month	Maximum			Minimum			Mean		Per square mile		Run-off in inches	
October	7,980			1,320			2,880		3.89		4.48	
November	1,920			1,060			1,310		1.77		1.98	
December	1,950			1,260			1,580		2.14		2.47	
January	2,670			1,240			1,660		2.24		2.58	
February	3,230			1,400			2,110		2.85		2.97	
March	2,790			1,360			2,030		2.74		3.16	
April	2,550			1,280			1,890		2.55		2.84	
May	1,280			910			1,050		1.42		1.64	
June	960			760			885		1.20		1.34	
July	910			710			785		1.06		1.22	
August	1,240			693			866		1.09		1.26	
September	1,880			570			1,050		1.42		1.58	
The year	7,980			570			1,500		2.03		27.52	

CHOCTAWHATCHEE RIVER BASIN

CHOCTAWHATCHEE RIVER AT CARYVILLE, FLA.

LOCATION.—Water-stage recorder at highway bridge 300 feet below Louisville & Nashville Railroad bridge and three-fourths mile west of Caryville, Holmes County. Zero of gage, 39.03 feet above mean sea level.

DRAINAGE AREA.—3,490 square miles.

RECORDS AVAILABLE.—August, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 49,100 second-feet Oct. 4 (gage height, 14.83 feet); minimum, 1,180 second-feet Sept. 6, 9 (gage height, 1.0 foot).

1929-30: Maximum discharge, that of Oct. 4, 1929; minimum, that of Sept. 6, 9, 1930.

REMARKS.—Records good except those for high stages, which are fair. Discharge estimated Oct. 22-28.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11,500	6,480	6,990	6,820	10,700	5,070	7,860	2,780	1,900	1,400	5,500	1,360
2	30,500	5,810	6,480	6,310	11,200	5,650	7,160	2,660	1,810	1,400	6,140	1,320
3	45,100	5,500	6,400	5,970	11,700	6,050	6,650	2,610	1,720	1,540	6,820	1,270
4	49,100	5,350	6,950	5,810	10,400	6,990	6,480	2,560	1,680	1,810	6,820	1,270
5	45,100	5,500	7,500	5,970	10,100	7,160	6,820	2,440	1,680	1,900	6,310	1,220
6	39,100	6,480	7,500	5,810	10,700	6,990	7,330	2,390	1,680	1,720	4,820	1,180
7	33,600	7,330	6,820	5,500	11,100	7,330	7,500	2,340	1,760	1,450	3,730	1,220
8	28,200	7,230	6,480	5,380	12,200	8,610	7,600	2,290	2,390	1,320	3,010	1,220
9	22,400	6,990	6,480	5,260	10,700	9,220	6,820	2,290	2,950	1,270	2,500	1,180
10	17,200	6,820	6,480	4,940	9,440	9,010	6,480	2,290	2,660	1,360	2,240	1,220
11	11,700	5,810	6,650	4,820	8,610	8,230	5,970	2,240	2,240	1,450	2,190	1,540
12	9,010	5,350	6,480	4,700	7,600	7,330	5,500	2,240	2,040	1,450	2,390	1,960
13	7,500	5,350	6,140	4,500	7,160	6,650	5,070	2,240	1,940	1,360	2,190	2,190
14	6,480	4,940	5,810	4,470	6,650	6,480	4,820	2,240	2,090	1,270	1,940	2,190
15	5,810	4,940	5,500	5,200	6,480	6,480	4,580	2,190	2,090	1,220	2,040	2,610
16	5,500	5,500	5,350	7,500	6,310	6,650	4,360	2,290	2,040	1,270	2,040	3,190
17	4,140	6,480	5,200	8,800	6,480	6,650	4,160	2,240	2,140	1,760	1,860	3,660
18	4,700	6,990	5,200	9,220	6,480	6,480	3,980	2,090	2,090	2,390	1,720	4,470
19	4,580	7,330	5,970	9,010	6,480	6,140	3,980	2,040	2,090	2,560	1,860	5,810
20	4,360	7,160	7,160	8,230	6,140	6,310	4,070	2,140	2,040	2,890	2,240	6,820
21	4,160	8,040	7,680	7,500	5,810	7,330	4,070	2,500	1,900	2,780	2,780	7,160
22	4,160	8,230	7,500	7,160	5,650	8,420	3,880	2,060	1,760	2,560	2,890	6,480
23	4,160	8,610	7,160	7,680	5,500	9,220	3,730	2,500	1,630	2,340	2,660	5,500
24	4,070	9,440	7,330	8,420	5,350	9,880	3,520	2,440	1,540	1,990	2,390	5,070
25	3,190	9,880	8,230	9,220	5,350	10,700	3,310	3,070	1,450	1,720	2,190	4,470
26	3,890	9,660	8,610	9,220	5,200	11,200	3,190	3,010	1,400	1,760	1,990	4,070
27	3,100	8,800	8,610	8,800	5,070	10,400	3,010	2,610	1,720	2,500	1,900	3,980
28	3,890	8,230	8,420	8,040	5,070	9,440	2,550	2,340	1,860	2,610	1,760	4,360
29	4,360	7,680	8,230	7,860	-----	8,800	2,890	2,190	1,630	3,130	1,580	5,500
30	5,200	7,330	7,860	8,420	-----	8,420	2,090	2,090	1,400	4,070	1,500	4,940
31	6,480	-----	7,500	9,440	-----	8,230	-----	1,990	-----	5,070	1,450	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	49,100	3,800	14,000	4.01	4.62
November	9,880	4,040	7,000	2.01	2.24
December	8,610	5,200	6,930	1.99	2.29
January	9,440	4,470	6,970	2.00	2.31
February	12,200	5,070	7,890	2.26	2.35
March	11,200	5,070	7,810	2.24	2.58
April	7,860	2,830	5,020	1.44	1.61
May	3,070	1,990	2,390	.685	.79
June	2,950	1,400	1,910	.547	.61
July	5,070	1,220	2,040	.585	.67
August	6,820	1,450	2,950	.845	.97
September	7,160	1,180	3,280	.940	1.05
The year	49,100	1,180	5,680	1.63	22.09

ESCAMBIA RIVER BASIN

CONECUH RIVER NEAR ANDALUSIA, ALA.¹

LOCATION.—Water-stage recorder in T. 3 N., R. 15 E., at Simmons Bridge 7½ miles southwest of Andalusia.

DRAINAGE AREA.—1,300 square miles (revised).

RECORDS AVAILABLE.—August, 1904, to December, 1919; September, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 11,300 second-feet Nov. 20 (gage height, 23.92 feet); minimum, 61 second-feet July 7 (gage height, 0.39 foot). 1904-1919, 1929-30; maximum discharge (estimated), 23,000 second-feet Mar. 18, 1913; minimum, that of July 7, 1930.

Maximum discharge known, about 154,000 second-feet Mar. 15, 1929 (gage height, 47.64 feet).

REMARKS.—Records good. Flow regulated by power plants above station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		6,480	1,960	3,080	3,120	5,640	2,840	2,720	730	340	505	2,000	217
2		4,430	2,080	4,120	3,040	4,970	4,740	2,640	685	580	565	1,100	428
3		4,430	2,080	4,520	4,200	4,790	3,920	2,720	655	610	264	850	402
4		4,340	3,200	4,380	3,680	6,100	4,300	2,640	478	730	118	850	505
5		7,950	3,080	4,250	3,560	6,530	4,080	1,640	520	640	82	700	465
6		10,700	2,800	4,000	2,880	5,960	3,800	2,360	640	595	69	550	215
7		8,940	2,800	4,160	2,560	5,150	4,970	2,800	730	670	63	580	124
8		5,870	2,760	5,240	2,440	4,340	5,460	2,520	760	440	92	610	315
9		4,300	2,320	5,020	2,320	3,800	4,920	2,440	685	565	233	610	352
10		3,120	2,600	4,790	2,120	3,400	3,200	1,800	625	820	378	402	655
11		2,520	2,440	4,250	2,160	3,360	3,040	1,720	465	850	242	505	610
12		2,000	2,520	3,680	2,120	3,160	2,960	2,160	520	790	171	535	365
13		1,560	2,760	3,240	1,920	2,760	2,920	2,120	625	244	130	505	700
14		1,300	3,440	3,120	1,920	2,600	2,960	1,600	740	564	110	505	402
15		1,160	5,510	2,920	2,040	2,640	2,800	2,280	610	478	252	685	428
16		1,440	7,520	2,600	1,920	2,720	2,640	1,340	670	655	381	670	505
17		955	9,790	2,560	2,080	2,600	2,480	990	640	850	105	565	580
18		640	10,100	2,920	1,920	1,160	2,200	1,300	478	585	145	820	715
19		415	10,200	2,840	2,040	2,320	3,000	1,020	610	595	415	745	850
20		191	11,100	2,400	2,000	2,000	3,160	565	610	655	198	610	1,020
21		2,160	10,100	2,360	2,000	2,800	3,640	700	595	610	112	580	1,020
22		1,200	8,500	3,400	3,280	2,640	4,920	1,380	685	565	198	565	1,130
23		1,020	7,220	4,200	3,160	2,440	5,460	1,020	730	550	191	550	1,130
24		1,520	6,280	4,120	3,480	2,240	4,700	1,020	745	610	198	490	1,100
25		1,440	5,560	4,080	3,120	2,160	6,000	1,600	465	655	184	580	990
26		1,160	4,520	3,920	2,840	2,000	5,640	990	745	715	187	790	1,020
27		990	4,120	3,320	2,680	2,040	4,480	745	790	760	141	760	1,200
28		1,100	4,000	3,720	3,200	2,520	4,080	820	730	745	304	760	1,160
29	378	1,800	3,520	4,160	4,970	-----	3,400	745	700	610	552	760	1,380
30	2,320	1,800	3,320	3,960	5,690	-----	3,160	730	730	535	365	745	1,640
31		2,000	-----	3,520	5,960	-----	2,160	-----	610	-----	883	237	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	10,700	191	2,870	2.21	2.55
November	11,100	1,960	4,940	3.80	4.24
December	5,240	3,700	3,700	2.85	3.29
January	5,960	1,920	2,920	2.25	2.59
February	6,530	1,160	3,390	2.61	2.72
March	6,000	2,160	3,810	2.93	3.38
April	2,800	565	1,640	1.26	1.41
May	790	465	642	.494	.57
June	850	244	621	.478	.53
July	883	63	253	.195	.22
August	2,000	237	684	.526	.61
September	1,640	124	721	.555	.62
The year	11,100	63	2,170	1.67	22.73

¹Published 1904-1919 as Conecuh River at Beck, Ala.

MOBILE RIVER BASIN

COOSAWATTEE RIVER NEAR CARTERS, GA.

LOCATION.—Water-stage recorder at highway bridge 1 mile above Talking Rock Creek and 1¼ miles northeast of Carters, Murray County.

DRAINAGE AREA.—376 square miles.

RECORDS AVAILABLE.—September, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, about 12,000 second-feet Mar. 7 (gage height, 10.30 feet); minimum, 195 second-feet Sept. 2-4 (gage height, 1.10 feet).

1925-1930: Maximum stage, 16.22 feet July 31, 1929 (discharge not determined); minimum discharge, 59 second-feet Sept. 22, 1925 (gage height, 0.68 foot).

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	771	407	1,070	889	979	738	970	698	571	571	272	212
2.....	721	571	1,370	881	997	738	1,130	682	558	402	258	198
3.....	629	4,680	1,320	1,050	1,030	713	1,850	729	545	381	258	198
4.....	571	2,020	1,150	907	1,740	705	1,690	943	525	372	254	195
5.....	698	1,100	1,090	881	1,850	698	1,370	721	629	372	251	243
6.....	738	864	1,070	864	1,420	898	1,470	666	872	353	243	212
7.....	659	805	1,050	847	1,250	7,800	1,320	643	788	348	236	212
8.....	607	1,010	1,090	839	1,030	2,640	1,220	1,070	629	343	229	205
9.....	578	847	1,030	813	1,070	1,800	1,150	1,190	585	335	258	222
10.....	551	746	979	797	1,040	1,470	1,090	907	571	335	272	258
11.....	518	1,180	970	780	979	1,420	1,070	805	538	335	265	269
12.....	493	2,130	952	755	970	1,320	1,050	788	505	335	236	305
13.....	487	2,940	925	755	1,030	1,170	1,020	713	499	326	233	290
14.....	487	6,900	907	763	1,170	1,120	997	1,370	505	343	236	243
15.....	463	11,400	889	1,170	1,020	1,080	970	907	493	309	261	229
16.....	457	3,900	889	1,070	979	1,020	952	755	493	322	258	229
17.....	445	4,160	925	925	925	1,060	907	738	545	314	233	233
18.....	434	4,420	1,070	889	898	1,230	889	1,020	505	451	229	229
19.....	418	2,640	1,090	847	889	2,520	872	1,800	457	357	240	418
20.....	418	2,130	961	813	872	1,960	855	1,270	445	330	247	445
21.....	418	1,800	889	830	847	1,580	839	997	445	301	269	326
22.....	545	1,580	898	1,320	822	1,370	830	872	525	305	343	283
23.....	481	1,580	934	1,270	822	1,270	822	822	445	301	265	261
24.....	423	1,420	889	1,070	822	1,240	813	788	418	518	247	261
25.....	407	1,320	864	979	797	1,370	788	738	434	353	236	251
26.....	402	1,580	855	916	788	1,250	780	705	407	353	229	343
27.....	391	1,520	864	889	771	1,150	763	674	391	348	226	445
28.....	386	1,370	979	1,070	738	1,100	746	643	386	301	219	305
29.....	407	1,270	1,070	1,050	-----	1,070	738	636	391	290	212	265
30.....	407	1,140	979	1,030	-----	1,040	713	659	377	287	209	258
31.....	407	-----	934	1,010	-----	997	-----	607	-----	353	212	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	771	386	510	1.36	1.57
November.....	11,400	407	2,310	6.14	6.85
December.....	1,370	855	998	2.65	3.06
January.....	1,320	755	934	2.48	2.86
February.....	1,850	738	1,020	2.71	2.82
March.....	7,800	698	1,470	3.91	4.51
April.....	1,850	713	1,020	2.71	3.02
May.....	1,800	607	857	2.28	2.63
June.....	872	377	516	1.37	1.53
July.....	571	287	353	.939	1.08
August.....	343	209	246	.654	.75
September.....	445	195	268	.713	.80
The year.....	11,400	195	873	2.32	31.48

• Estimated.

OOSTANAULA RIVER AT RESACA, GA.

LOCATION.—Chain gage at highway bridge 200 feet below Nashville, Chattanooga & St. Louis Railway at Resaca, Gordon County, $3\frac{1}{2}$ miles below confluence of Conasauga and Coosawattee Rivers. Zero of gage 617.30 feet above mean sea level.

DRAINAGE AREA.—1,610 square miles.

RECORDS AVAILABLE.—April, 1892, to September, 1930.

EXTREMES.—Maximum discharge during year, 30,400 second-feet Nov. 17 (gage height, 28.52 feet); minimum, 410 second-feet Sept. 4 (gage height, 1.49 feet).

1892-1930: Maximum discharge, 42,000 second-feet Feb. 11, 1921 (gage height, 33.0 feet); minimum, 180 second-feet Sept. 7, 8, 1925 (gage height, 0.5 foot).

Maximum stage known, 36.6 feet Apr. 1, 1886.

REMARKS.—Records for current year good; for 1896 to 1928 fair. Gage-height records furnished by United States Weather Bureau.

Daily discharge, in second-feet, 1896-1928 and 1929-30

Day	Jan.	Feb.	Mar.	Apr.	July	Aug.	Sept.
1896							
1.....	3,030	1,860	1,720	3,110	-----	780	410
2.....	2,350	1,860	1,720	8,070	-----	880	428
3.....	2,070	2,350	1,720	8,150	-----	1,040	410
4.....	1,790	2,490	1,650	7,190	-----	930	428
5.....	1,520	2,710	1,580	3,830	-----	830	392
6.....	1,280	8,230	1,520	2,950	-----	735	392
7.....	1,220	12,000	1,790	2,630	-----	690	445
8.....	1,460	11,400	2,070	2,560	-----	645	375
9.....	1,930	11,200	1,860	2,490	-----	645	375
10.....	1,930	9,190	1,650	2,140	-----	645	358
11.....	1,580	5,750	1,520	2,070	-----	560	340
12.....	1,520	3,910	2,280	1,930	-----	560	340
13.....	1,460	2,710	2,560	1,790	-----	600	520
14.....	1,340	6,310	1,930	1,720	-----	560	428
15.....	1,280	6,070	1,720	1,650	-----	560	375
16.....	1,220	4,630	1,650	1,650	-----	600	358
17.....	1,720	3,670	3,830	1,650	-----	600	340
18.....	1,930	3,190	5,350	1,580	-----	600	340
19.....	1,790	2,870	3,910	1,580	-----	520	325
20.....	1,520	2,630	4,870	1,520	-----	462	310
21.....	1,400	2,420	4,310	1,460	-----	445	310
22.....	1,720	2,140	3,270	1,400	-----	428	295
23.....	3,830	2,000	2,790	1,460	-----	410	735
24.....	7,270	1,930	2,560	2,070	-----	520	560
25.....	7,670	1,930	2,870	1,720	-----	1,400	428
26.....	5,910	1,860	2,630	1,460	-----	1,160	410
27.....	3,430	1,790	2,420	1,340	1 220	735	375
28.....	2,710	1,720	2,210	1,520	-----	600	375
29.....	2,420	1,720	2,070	1,520	-----	520	880
30.....	2,140	-----	1,930	1,460	-----	480	4,950
31.....	1,930	-----	2,350	-----	-----	445	-----

Daily discharge, in second-feet, of Oostanaulq River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1896-97												
1	3,430	520	5,670	830	2,870	2,350	4,950	2,950	2,070	1,040		880
2	1,520	480	3,670	830	0,510	2,210	8,150	2,630	1,580	830		690
3		480	2,280	830	9,750	2,070	8,230	2,350	1,580	830	1,280	690
4		560	1,930	830	8,550	2,140	9,510	2,210	1,650	830		645
5		520	690	1,580	1,280	5,030	3,670	14,200	2,070	1,520	830	645
6	480	1,400	1,400	1,280	3,750	7,910	15,600	2,000	1,400	1,040	1,400	560
7	445	780	1,280	1,160	4,470	13,300	14,400	1,930	1,280	3,590	1,630	520
8	445	735	1,220	980	4,630	14,400	10,800	1,930	1,220	1,650	1,520	500
9	445	780	1,280	930	4,230	13,900	7,350	1,790	1,280	1,160	1,160	480
10	410	645	1,580	880	3,430	10,600	6,630	1,790	1,400	1,160	980	480
11	410	645	1,460	830	3,270	8,150	5,350	1,930	1,220	1,400	1,400	480
12	410	1,790	1,340	830	5,510	13,000	4,550	2,560	1,160	1,460	1,160	480
13	560	9,030	1,220	830	6,470	18,000	3,990	2,950	1,100	1,220	1,880	462
14	560	7,830	1,160	2,950	4,790	17,900	3,750	5,330	1,040	1,040	830	445
15	520	5,830	2,070	4,630	3,750	23,200	4,070	5,670	1,040	880	780	445
16	500	2,000	1,860	2,710	3,190	24,600	5,190	3,190	1,040	830	780	445
17	462	1,460	1,460	2,000	2,950	22,900	4,230	2,420	1,100	1,340	1,040	445
18	445	1,280	1,280	2,950	2,420	20,000	3,590	2,210	1,220	1,220	1,280	480
19	410	1,100	1,280	2,710	2,280	16,400	3,270	2,000	1,160	2,630	830	428
20	392	1,040	1,220	2,420	2,280	13,800	3,030	1,930	1,040	7,350	780	410
21	392	980	1,160	6,150	2,560	13,600	2,870	1,790	1,040	4,870	735	392
22	410	930	1,040	5,270	2,790	13,600	2,710	1,790	930	5,590	830	392
23	410	930	1,040	3,510	7,830	12,200	2,560	1,790	930	3,750	1,040	410
24	462	930	1,040	2,560	8,070	7,910	2,490	1,650	930	1,930	980	392
25	690	830	930	2,210	6,470	5,270	2,490	1,580	930	1,400	830	392
26	560	830	880	1,930	3,910	4,550	2,420	1,520	930	1,930	735	392
27	520	780	830	1,720	3,190	3,990	2,420	1,460	880	2,210	735	392
28	480	930	830	1,520	2,710	3,830	2,350	1,400	830	1,860	645	375
29	735	2,420	830	1,100	-----	3,510	2,210	1,400	1,580	1,400	645	410
30	500	5,990	830	1,340	-----	3,430	2,140	1,400	1,220	1,160	600	340
31	540	-----	830	1,580	-----	3,510	-----	1,580	-----	1,040	645	-----
1897-98												
1	340	462	645	1,340	2,790	1,340	6,150	2,280	1,040	690	3,350	1,580
2	358	735	500	1,280	2,350	1,220	4,070	2,070	880	735	2,560	9,510
3	358	880	735	1,100	2,070	1,280	3,110	2,000	830	690	1,790	14,600
4	325	780	2,350	1,040	1,860	1,340	3,110	1,860	830	645	1,790	16,800
5	325	690	2,710	1,040	1,790	1,280	9,510	1,790	780	600	4,230	16,100
6	358	645	3,190	1,040	1,790	1,220	12,600	1,650	735	830	2,140	14,200
7	375	560	2,140	1,160	1,790	1,160	10,200	1,650	735	980	2,000	11,990
8	358	560	1,340	1,280	1,720	1,100	7,990	1,650	690	2,490	1,720	6,590
9	358	560	1,040	1,160	1,650	1,040	5,750	1,520	690	1,220	1,520	3,910
10	358	560	930	1,160	1,520	1,040	3,270	1,520	645	1,400	1,720	2,870
11	375	560	830	1,100	1,520	1,040	2,950	1,400	645	1,220	4,390	2,630
12	735	520	830	4,070	1,460	1,040	3,030	1,400	645	1,040	3,990	2,350
13	1,280	500	780	3,990	1,460	1,040	2,630	1,340	930	780	2,950	2,210
14	645	500	2,070	4,070	1,400	1,100	2,710	1,340	1,580	830	2,490	1,930
15	560	500	2,870	3,270	1,340	2,000	3,030	1,280	1,160	1,520	1,790	1,790
16	500	480	2,210	3,670	1,280	5,190	2,870	1,220	980	1,720	1,520	1,720
17	462	480	1,520	3,830	1,220	6,150	2,630	1,160	930	1,160	1,930	1,580
18	410	500	1,220	2,630	1,220	3,430	2,350	1,160	1,790	930	1,400	1,520
19	392	500	1,160	2,560	1,280	2,950	2,210	1,160	1,930	780	2,140	1,400
20	830	480	2,790	6,470	1,280	2,350	3,110	1,160	2,870	735	1,860	1,340
21	735	480	3,590	6,950	1,280	2,000	3,110	1,040	2,630	690	1,520	1,280
22	735	480	5,350	5,590	1,280	1,790	2,280	1,040	2,210	645	2,870	1,280
23	645	480	5,990	4,390	1,220	1,650	2,560	980	1,860	690	1,950	1,950
24	645	500	4,470	4,470	1,160	1,520	7,190	1,040	1,040	645	1,280	2,420
25	520	480	2,630	7,590	1,160	1,650	5,670	1,280	930	830	1,220	2,210
26	480	480	2,210	12,300	1,100	1,930	4,310	1,100	830	1,400	1,520	2,140
27	462	560	2,560	11,200	1,280	1,580	3,830	980	830	1,520	2,350	1,280
28	462	645	2,070	8,790	1,400	1,580	3,350	930	880	2,870	1,790	1,220
29	462	645	1,790	4,870	-----	4,230	2,870	880	780	2,870	1,160	1,160
30	445	645	1,520	3,430	-----	8,390	2,560	830	735	2,070	1,040	1,000
31	445	-----	1,400	3,030	-----	8,310	-----	830	-----	2,790	1,040	-----

Daily discharge, in second-feet, of Oostanawla River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1898-99												
1.....	1,100	1,650	2,870	2,710	7,110	10,500	8,790					
2.....	1,040	1,580	2,490	2,630	5,590	6,070	6,550					
3.....	1,340	1,580	2,280	2,280	5,750	4,950	5,350					
4.....	5,830	1,580	2,350	2,070	12,200	4,710	5,510					
5.....	14,500	1,520	3,910	2,000	15,700	6,390	6,550					
6.....	18,400	1,520	3,590	2,280	18,600	6,870	5,670					
7.....	19,400	1,790	2,950	4,630	24,600	5,830	6,390					
8.....	16,500	1,860	2,560	6,150	25,400	4,550	9,830					
9.....	10,400	1,650	2,350	5,670	22,500	4,070	9,590		1,180			
10.....	4,390	1,520	2,140	3,590	16,800	3,910	8,070					
11.....	3,030	1,720	2,070	3,270	10,100	3,670	5,670					
12.....	2,790	1,720	1,930	3,430	5,190	3,510	4,790					
13.....	2,420	1,720	1,930	3,270	4,070	3,510	4,470					
14.....	2,350	2,210	1,930	2,870	3,750	6,150	4,230					
15.....	2,140	2,070	1,720	3,030	3,990	12,400	4,070					
16.....	2,000	2,490	1,650	2,790	4,310	19,800	3,830					
17.....	1,930	2,000	1,650	3,510	8,150	30,400	3,590					
18.....	5,030	2,210	1,720	3,590	7,590	27,600	3,430					
19.....	6,230	4,070	1,720	3,110	6,710	25,900	3,510					
20.....	3,670	4,390	2,420	2,710	6,070	25,600	3,430	2,070				
21.....	2,630	3,430	3,030	2,490	5,030	27,000	3,270		1,120			
22.....	2,630	2,790	2,560	2,420	5,430	21,900	3,110					
23.....	3,270	4,870	2,630	2,280	5,430	15,800	2,950					
24.....	2,560	4,310	2,870	2,350	4,710	11,200	3,750					
25.....	2,210	3,430	2,350	3,030	4,070	7,110	5,510					
26.....	2,070	2,710	2,070	2,870	4,790	5,750	5,350					
27.....	2,210	2,490	2,000	2,490	13,900	5,430	4,230					
28.....	2,070	2,210	1,930	2,350	14,800	5,270	3,670					
29.....	1,930	2,350	1,790	2,210		7,990	3,270					
30.....	1,860	3,110	1,790	2,210		7,510	3,030					
31.....	1,790		1,790	4,710		8,550						
1899-1900												
1.....		645	880	1,100	1,340	3,190	3,040	3,790	1,300			
2.....		600	980	1,100	1,280	4,180	2,740	2,960	1,420			
3.....		600	1,040	1,100	1,280	3,790	2,660	2,820	1,740			
4.....		600	880	1,100	1,340	3,120	2,890	2,660	2,820			
5.....		600	830	1,100	2,140	2,740	3,420	2,300	2,440			
6.....		600	780	1,100	2,070	2,660	3,190	2,160	4,740			
7.....		560	730	1,100	1,720	4,340	2,590	2,020	4,740			
8.....		560	730	1,040	1,580	8,420	2,440	1,740	8,190			
9.....		560	690	930	2,630	10,600	2,300	1,680	6,590			
10.....		560	730	1,160	5,590	9,300	2,440	1,610	4,190			
11.....		560	780	3,110	4,470	6,580	5,220	1,540	2,890			
12.....		600	2,710	7,670	6,950	4,340	7,380	1,480	3,040			
13.....		600	5,030	7,510	15,800	3,560	5,780	1,480	3,790			
14.....		645	3,750	5,990	19,700	3,190	4,100	1,360	3,640			
15.....		560	1,930	3,350	19,500	2,890	3,260	1,420	2,890			
16.....		690	1,650	2,490	14,500	4,180	3,120	1,360	2,300			
17.....		730	1,460	2,070	8,260	3,860	4,340	1,300	3,640			
18.....		645	1,160	2,140	3,640	3,120	7,940	1,300	4,100			
19.....		645	1,100	4,710	2,820	4,100	7,620	1,610	6,420			
20.....		645	1,580	8,870	2,590	11,700	6,660	1,680	4,920			
21.....		600	2,210	8,070	2,660	11,800	7,780	1,610	3,340			
22.....		600	1,650	7,670	5,620	8,740	7,380	1,540	2,820			
23.....		880	1,400	4,870	5,460	5,220	5,700	1,480	6,500			
24.....		1,160	5,110	2,790	4,180	4,500	4,420	1,540	8,740			
25.....		880	5,110	2,490	3,940	5,140	3,940	1,610	9,700			
26.....		1,100	3,430	2,210	3,720	7,860	3,340	1,740	10,600			
27.....		1,700	2,140	1,930	3,190	6,580	3,040	1,740	12,600			
28.....		1,520	1,740	1,720	2,820	4,820	2,890	1,540	11,800			
29.....		1,160	1,720	1,650		4,020	2,820	1,480	8,260			
30.....			980	1,580	1,580		3,640	4,580	5,700			
31.....				1,280	1,520		3,340		1,360			

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1900-1901												
1		1,010	2,090	5,860	4,820	1,740	5,140		5,300			
2		1,060	1,880	4,420	3,790	1,740	6,420					
3		1,120	1,740	3,190	3,790	1,740	9,540					
4		2,160	3,190	2,890	10,800	1,740	8,680					
5		2,090	5,220	2,440	10,800	1,740	7,220					
6		1,540	4,980	2,160	7,940	2,020	4,980				1,540	
7		1,420	3,190	1,740	4,740	2,090	4,280		5,220		6,500	
8		1,120	2,890	1,740	4,740	1,880	3,720					
9		1,060	2,440	1,740	8,420	2,300	3,490					
10		1,010	2,300	2,440	8,340	6,660	3,340					
11		1,010	1,880	9,060	5,300	7,780	2,960				1,610	
12		1,010	1,740	18,100	4,580	6,740	2,890					
13		955	1,740	25,000	4,100	4,660	3,790					
14		955	1,740	25,400	3,640	3,260	7,460				2,300	
15		955	1,740	19,800	3,490	2,890	6,420				4,580	
16		955	1,680	12,100	3,120	2,590	4,500		4,980		7,700	
17		905	1,420	5,380	3,040	2,440	3,720				9,060	4,420
18		905	1,360	3,640	2,890	2,300	3,850			1,480		3,490
19		905	1,360	3,190	2,740	2,230	9,860				9,060	
20		955	2,230	3,040	2,740	2,230	15,100	7,140			10,400	
21		1,010	6,660	2,740	2,590	2,590	16,300	9,380				
22		1,480	5,480	2,740	2,440	2,440	15,500	17,200			8,260	
23		1,360	3,940	2,590	2,300	2,300	11,500	23,200			13,500	
24		1,300	5,540	3,190	2,300	2,590	5,700				15,300	
25		2,230	5,060	5,620	2,160	5,860	4,340				10,800	
26		9,220	3,560	4,580	2,090	17,600	3,860					
27		8,660	2,890	3,490	2,020	24,000	3,640					
28		7,540	2,160	3,790	1,950	23,400	3,340				4,420	
29		4,020	2,740	3,490		18,200	3,190					
30		2,440	2,590	3,720		11,000	3,040		2,440			
31			4,500	6,100		6,020		3,120				
1901-2												
1			1,060	23,200	10,200	21,900	8,340					
2			1,010	17,800	13,900	22,900	4,580					
3			1,240	9,380	14,300	18,600	4,100					
4			1,880	4,500	10,700	11,100	3,720					535
5			1,740	3,560	6,340	6,980	3,720					
6			1,420	3,040	4,500	7,940	3,490					
7			1,480	2,890	4,100	7,300	3,560					
8			1,360	2,890	3,790	5,780	5,860					
9			1,360	2,820	3,490	6,780	6,020					
10			1,740	2,660	3,340	5,540	4,420					
11			2,090	2,590	3,120	4,900	3,790			1,010		
12			1,950	2,440	3,040	4,420	3,490					
13		1,480	1,300	1,680	2,230	2,740	4,340			1,010		
14			1,120	3,640	2,160	2,660	3,940				620	
15			1,180	14,500	2,090	2,740	3,560					
16			1,120	18,700	2,090	2,890	5,140	2,960				
17			1,060	18,400	2,160	3,340	8,660	2,740				
18			1,010	12,900	2,090	3,260	7,460	3,340				
19			1,060	5,300	2,160	2,960	5,060	2,740	1,300			
20			1,300	2,660	2,660	2,890	4,100	2,660				
21			1,360	2,300	2,820	3,190	3,790	2,590				
22			1,300	1,810	4,180	4,500	3,640	2,520				
23			1,120	1,950	4,100	4,420	3,420	2,300				
24			1,680	3,260	2,960	3,790	3,190	2,300				
25			1,540	3,190	2,820	3,490	3,040	2,300				2,020
26			1,420	3,420	2,590	4,100	2,960	2,230				
27			1,240	5,620	2,440	5,700	2,890	2,230				
28			1,180	7,940	4,260	15,300	4,260	2,160				
29			1,120	15,100	5,140		13,000	2,090				
30			1,060	22,300	4,820		15,700	2,090		805		
31				25,900	6,980		13,200					

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1902-3												
1		455	1,120	2,090	1,740	25,200	19,800	2,440	4,020	1,120	1,740	710
2		455	1,360	1,880	2,230	26,800	14,600	2,440	6,340	1,360	2,160	665
3		455	6,260	3,790	4,820	21,900	8,260	2,370	6,740	1,480	2,740	665
4		455	5,060	5,300	8,180	13,900	5,460	2,370	6,340	1,480	1,740	665
5		455	3,490	3,490	11,200	6,980	4,900	2,440	6,260	1,480	4,740	665
6		535	2,890	2,590	8,820	6,580	3,720	2,370	6,020	1,360	4,260	710
7		905	2,160	2,370	7,460	5,780	3,860	2,230	4,660	1,360	2,590	665
8		665	1,740	2,300	10,800	5,620	5,060	2,230	3,860	1,360	1,610	620
9		575	1,480	2,020	10,900	8,260	6,420	2,230	2,890	1,610	1,360	620
10		575	1,120	1,680	9,140	8,900	5,140	2,230	2,440	1,610	1,360	620
11	535	535	1,120	1,740	10,300	9,860	4,180	2,160	4,740	1,880	1,360	620
12		535	1,060	5,860	12,000	9,300	3,720	2,160	4,100	2,590	1,480	620
13		535	1,010	4,500	10,300	6,420	6,020	2,160	2,890	6,260	1,240	535
14	1,740	535	1,010	2,960	7,140	5,700	9,220	2,160	2,300	5,540	1,120	535
15		495	955	2,230	4,980	5,380	7,460	2,230	2,300	3,790	2,440	535
16		495	1,120	2,160	6,820	4,820	5,700	2,230	2,160	3,040	2,590	620
17		495	4,580	2,020	14,800	4,340	4,820	1,810	2,160	2,020	1,610	710
18		1,360	3,560	1,880	16,500	4,020	3,940	1,740	2,020	1,880	1,610	710
19		1,060	2,960	1,740	13,600	3,720	3,790	1,740	1,740	1,740	1,610	710
20		855	1,880	1,740	9,540	3,490	3,640	1,680	1,610	1,610	1,610	620
21		805	3,420	1,610	4,740	4,020	3,790	1,680	1,480	1,480	1,420	535
22		710	6,980	1,610	3,940	6,580	3,640	1,680	1,480	2,020	1,360	535
23		655	5,460	1,480	3,420	11,700	3,340	1,540	1,420	2,300	1,360	455
24		620	3,040	1,480	3,120	14,300	3,040	1,480	1,480	1,610	1,240	455
25		805	1,880	1,480	2,660	11,600	2,890	1,420	1,480	1,480	1,010	455
26		5,140	1,740	1,480	2,660	6,660	3,190	1,360	1,360	1,360	905	455
27		3,640	1,680	1,480	4,740	4,660	2,960	1,360	3,340	1,300	805	455
28		1,880	1,680	1,680	16,600	4,180	2,820	1,300	4,260	1,240	755	455
29		1,240	1,680	3,190		5,700	2,740	1,300	3,040	1,120	755	455
30		1,010	2,370	2,820		14,300	2,440	2,230	2,020	1,120	710	455
31			2,440	2,230		20,200		3,190		2,020		
1903-4												
1		455	620	455	620	1,120	1,610	2,160	805	3,160	1,240	535
2		455	620	455	620	1,010	1,480	2,160	620	2,300	905	455
3		455	620	385	620	1,010	1,480	1,880	620	1,740	710	455
4		455	710	385	620	1,010	2,440	1,740	710	1,120	620	455
5		455	1,360	385	620	1,010	1,740	1,740	710	1,010	620	455
6		455	1,360	385	535	1,010	1,610	1,540	710	1,010	620	710
7		455	710	385	535	1,010	1,880	1,480	620	2,300	620	620
8		535	620	385	535	1,880	4,260	3,190	1,240	1,240	535	535
9		905	620	385	535	2,740	3,490	6,020	3,190	1,120	535	2,020
10		805	620	385	620	1,880	2,440	4,420	2,300	905	535	1,240
11		710	535	535	620	2,020	2,440	2,890	1,740	805	535	2,160
12		620	535	535	805	2,020	2,690	2,440	1,480	805	535	1,480
13		535	535	535	805	1,740	2,440	1,880	1,480	710	710	1,240
14		455	535	620	855	1,480	3,260	1,610	1,360	710	805	1,120
15		455	620	620	855	1,240	6,340	1,360	1,360	710	620	1,120
16		455	620	620	855	1,120	4,580	1,480	1,120	620	535	1,120
17		535	805	620	1,360	1,120	3,040	1,610	1,120	620	805	1,120
18		1,120	1,740	620	1,740	1,120	2,440	1,610	1,010	620	710	1,010
19		1,010	1,740	620	1,480	1,300	2,160	1,010	905	620	710	905
20		905	1,240	855	1,360	3,560	2,090	905	905	710	620	805
21		805	905	1,240	1,060	3,340	3,190	905	805	835	535	710
22		535	805	1,420	2,960	5,460	5,380	905	805	1,010	535	620
23		535	710	1,010	6,420	6,980	7,220	905	710	915	455	620
24		535	620	805	5,060	5,460	8,180	905	710	710	1,360	535
25		535	535	710	2,740	3,260	7,380	805	620	620	1,010	535
26		535	535	855	1,610	2,370	5,940	905	620	620	805	455
27		455	455	905	1,300	2,090	4,260	2,300	620	535	535	212
28		455	455	710	1,120	1,740	4,580	1,880	620	535	805	710
29		455	455	710	1,240	1,740	4,180	1,480	620	710	710	620
30		455	455	620	1,120		3,490	1,010	620	1,240	905	620
31		535		620	1,120		2,520		2,440		905	620

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1904-5												
1.....	252	231	855	1,480	1,360	2,740	1,740	4,900	1,880	3,190	905	620
2.....	252	231	1,540	1,120	1,240	2,590	1,740	3,040	1,740	2,890	755	1,240
3.....	252	231	2,440	905	1,120	2,440	1,740	2,440	1,610	2,020	620	1,480
4.....	252	325	2,300	1,120	1,120	2,090	1,610	3,040	1,610	1,480	535	905
5.....	252	325	1,610	1,740	1,420	1,880	1,880	2,890	1,480	1,240	455	1,010
6.....	252	275	4,740	1,480	3,940	1,950	2,300	2,590	1,480	1,120	535	805
7.....	252	275	3,790	2,160	5,540	2,000	2,160	2,300	1,360	1,360	620	710
8.....	252	275	1,740	2,740	6,180	2,090	2,020	2,160	1,360	1,480	1,010	620
9.....	275	275	1,120	1,740	13,300	2,090	2,020	3,490	1,480	1,480	3,190	535
10.....	275	275	1,010	1,540	14,700	4,420	1,610	3,040	1,240	2,300	2,160	535
11.....	275	275	1,010	2,160	13,300	5,220	1,610	2,590	1,120	2,440	1,880	455
12.....	275	275	905	6,100	11,700	3,940	1,740	2,300	1,010	4,260	2,160	2,440
13.....	275	275	805	11,200	8,740	3,790	1,740	1,880	1,240	5,380	4,420	1,740
14.....	275	385	805	15,100	7,700	2,590	1,610	1,610	1,120	3,040	1,880	1,360
15.....	275	385	710	8,180	5,940	2,440	1,880	1,680	1,010	1,740	3,340	1,010
16.....	275	385	710	3,190	4,260	2,230	2,440	6,340	1,010	1,610	3,790	710
17.....	275	355	620	2,370	3,490	2,160	2,300	5,780	1,120	1,740	5,380	710
18.....	275	355	620	2,160	3,190	2,090	2,160	4,500	1,240	1,480	2,740	620
19.....	275	325	620	1,880	3,340	1,880	2,160	3,260	1,610	1,240	2,230	535
20.....	275	325	535	2,300	7,940	1,950	2,020	2,520	1,240	1,120	1,610	535
21.....	275	325	535	1,880	15,500	5,140	1,610	2,160	1,240	1,120	1,360	535
22.....	275	325	455	1,740	17,500	5,700	1,740	2,230	1,120	1,120	1,010	535
23.....	252	355	455	1,740	15,500	3,560	1,740	5,540	3,190	1,120	1,010	535
24.....	252	355	385	1,420	12,100	2,820	1,610	9,060	2,440	1,010	1,120	535
25.....	252	420	620	1,420	5,140	2,590	1,480	6,900	1,610	1,010	1,740	535
26.....	252	420	710	1,360	4,020	2,160	1,480	4,980	1,360	1,010	1,610	575
27.....	252	420	2,020	1,240	3,490	2,160	1,740	3,560	1,240	805	1,360	575
28.....	252	420	6,660	1,240	3,190	2,020	3,640	2,740	2,590	805	1,010	535
29.....	231	420	5,700	1,120	-----	1,880	3,340	2,370	1,880	1,740	905	535
30.....	231	420	3,190	1,240	-----	1,880	5,700	2,160	1,880	1,120	805	535
31.....	231	-----	1,740	1,420	-----	1,740	-----	2,160	-----	1,010	710	-----
1905-6												
1.....	575	710	805	2,300	3,640	1,610	7,590	2,350	1,650	1,610	3,420	6,020
2.....	575	665	1,240	2,370	3,420	1,610	5,510	2,210	1,650	1,610	4,420	4,980
3.....	620	665	10,100	6,340	3,040	3,790	4,550	2,210	2,350	1,480	3,120	2,440
4.....	1,010	665	9,060	12,600	2,740	6,820	3,830	4,230	2,070	1,480	3,490	2,440
5.....	1,180	665	5,380	12,100	2,440	5,700	3,590	2,950	2,070	1,360	5,220	2,160
6.....	955	665	2,590	8,340	2,590	3,340	3,590	2,630	3,910	1,360	4,260	2,300
7.....	665	665	2,440	4,340	2,440	2,740	3,430	3,430	2,350	1,360	4,660	2,370
8.....	620	710	6,500	3,640	2,300	3,040	3,270	2,950	1,930	1,240	3,190	2,090
9.....	575	710	13,000	4,020	2,300	3,340	3,110	2,790	1,790	1,240	2,590	3,120
10.....	575	710	12,500	3,790	2,300	2,740	5,510	2,490	1,790	1,360	2,370	2,370
11.....	1,180	710	7,380	3,340	2,160	1,740	4,230	2,350	1,650	1,360	2,590	2,370
12.....	2,590	710	4,020	3,790	1,880	2,300	3,590	2,070	1,930	1,240	2,090	4,100
13.....	1,540	665	2,660	3,340	1,880	2,160	3,270	2,070	8,470	1,360	2,020	4,340
14.....	1,060	665	2,740	3,120	1,880	2,090	2,790	1,930	12,800	2,020	5,220	3,560
15.....	905	620	4,580	3,190	1,880	14,200	3,910	1,930	12,000	5,540	2,440	2,300
16.....	1,060	665	5,060	2,890	1,740	17,400	3,750	1,930	10,500	5,140	4,340	1,950
17.....	1,060	665	4,020	3,340	1,740	15,000	3,110	1,860	8,020	7,140	3,340	1,740
18.....	1,010	665	3,040	2,890	1,740	9,590	2,790	1,790	4,100	10,100	2,590	1,610
19.....	805	665	2,590	2,890	1,610	11,200	2,630	1,790	3,040	10,900	2,040	3,640
20.....	755	710	3,340	2,740	1,610	14,700	2,490	1,790	2,590	11,500	2,520	4,340
21.....	710	1,120	8,340	2,820	1,610	11,800	2,490	1,650	2,440	9,380	2,520	3,860
22.....	865	805	8,100	7,940	2,440	7,910	2,210	1,580	2,160	6,580	2,160	3,340
23.....	665	710	7,220	12,400	1,880	5,110	2,210	1,520	2,020	8,180	3,370	3,340
24.....	620	710	6,260	11,900	1,880	4,470	2,210	1,400	2,300	6,820	3,300	3,490
25.....	665	755	5,540	6,980	1,740	3,910	2,210	1,400	3,040	4,740	2,590	3,190
26.....	805	1,060	4,100	4,980	1,740	3,590	2,210	1,400	2,440	3,190	2,370	2,590
27.....	1,060	855	3,340	5,060	1,610	4,230	2,210	3,750	2,160	2,660	3,040	2,230
28.....	955	755	2,960	5,620	1,610	5,270	3,110	2,210	1,880	2,440	2,520	2,020
29.....	805	755	3,100	4,820	-----	6,230	2,950	1,930	1,610	3,040	2,300	2,090
30.....	805	855	3,040	4,580	-----	7,910	2,790	1,930	1,610	4,820	3,120	7,140
31.....	805	-----	2,520	4,500	-----	9,510	-----	1,790	-----	4,260	4,580	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1906-7												
1	12,400	1,740	1,880	11,300	6,340	7,780	2,440	2,160	6,020	2,020	1,240	620
2	12,800	1,740	1,740	8,820	10,600	11,400	3,040	2,020	5,540	2,300	1,120	620
3	13,100	1,740	1,610	6,260	9,940	12,900	2,020	1,880	2,740	2,020	1,120	710
4	12,600	1,680	1,610	4,500	9,860	9,220	1,880	2,440	2,860	1,880	1,010	1,480
5	10,600	1,680	1,480	3,790	9,300	5,940	1,880	3,040	2,740	1,880	1,010	1,360
6	8,100	1,680	1,610	3,640	8,420	4,820	2,740	3,490	2,440	1,610	1,010	905
7	7,220	1,610	2,160	2,590	5,780	3,190	3,940	3,340	2,300	1,480	1,010	805
8	6,580	1,610	2,160	2,020	4,340	4,020	3,040	5,540	2,370	1,480	1,010	620
9	4,740	1,540	2,300	1,880	3,860	3,640	2,740	3,940	5,700	1,360	1,010	620
10	3,560	1,480	3,490	1,880	3,490	3,120	2,590	2,890	6,260	1,360	1,120	710
11	3,190	1,480	5,220	1,740	3,190	2,590	2,440	2,890	5,140	1,360	1,010	620
12	2,890	1,480	4,180	1,740	3,040	2,230	2,300	3,790	3,190	1,610	1,010	1,010
13	2,590	1,480	3,490	1,740	2,890	2,020	2,440	3,120	2,440	2,440	1,480	905
14	2,440	1,420	3,040	1,740	2,740	2,020	2,300	2,890	2,520	4,580	1,120	710
15	2,300	2,020	2,160	1,740	2,590	2,160	2,300	6,100	2,300	3,790	2,300	710
16	2,230	2,020	1,880	1,740	2,590	4,260	2,020	7,940	2,160	2,160	1,360	710
17	2,440	2,520	2,160	1,680	2,440	3,490	2,160	5,140	2,020	2,020	1,010	665
18	7,140	7,220	5,220	1,610	2,440	2,960	2,300	3,340	2,020	1,740	1,120	665
19	9,060	21,000	6,020	1,610	2,300	2,820	2,160	2,890	1,740	1,610	1,740	665
20	6,900	32,400	5,060	2,440	2,440	2,740	2,440	2,660	1,610	1,360	1,010	620
21	3,940	33,700	4,420	3,040	2,590	2,590	2,300	2,300	1,610	1,480	1,010	620
22	3,040	27,400	3,640	2,590	2,440	2,590	2,160	2,160	1,610	1,480	905	755
23	2,740	19,200	3,490	2,440	2,300	2,440	2,160	2,020	1,480	1,240	805	7,940
24	2,520	9,860	3,490	2,300	2,370	2,300	5,700	2,300	2,160	1,120	905	8,980
25	2,370	4,260	3,790	2,300	4,500	2,900	2,590	2,590	2,590	1,120	2,260	2,960
26	2,230	3,040	3,640	2,160	4,580	2,160	3,190	2,160	3,190	1,120	1,480	1,610
27	2,160	2,660	3,420	2,440	7,060	2,160	2,740	3,490	2,440	1,120	1,010	1,360
28	2,020	2,370	3,190	2,090	6,500	2,020	1,740	2,300	2,440	1,360	905	1,680
29	1,950	2,230	3,340	1,680	-----	2,020	2,440	2,160	4,420	1,480	805	6,580
30	1,880	2,090	5,300	1,480	-----	1,880	2,300	2,160	2,590	1,880	805	5,300
31	1,880	-----	10,100	1,420	-----	1,950	-----	2,890	-----	1,480	710	-----
1907-8												
1	2,960	905	1,740	7,220	5,860	2,660	3,190	2,890	1,740	805	620	620
2	1,880	805	1,610	4,820	6,180	2,590	3,040	2,740	1,610	710	535	535
3	1,480	1,360	1,360	3,260	4,580	2,590	2,890	2,440	1,610	710	455	455
4	1,480	1,360	1,360	2,300	3,190	2,520	2,740	2,440	1,610	710	455	420
5	1,360	1,010	1,240	7,940	3,120	2,440	2,590	2,440	1,480	3,790	455	420
6	1,480	1,120	1,360	9,380	3,120	2,440	3,640	2,890	2,740	3,640	1,120	4,900
7	1,480	1,010	1,360	6,740	2,890	2,440	4,740	3,640	2,740	2,890	1,480	2,890
8	1,300	1,010	1,360	4,420	2,740	2,440	3,190	5,860	2,440	2,440	1,010	1,360
9	1,480	905	1,360	2,820	3,340	2,370	2,890	3,790	2,300	2,020	2,300	1,010
10	1,240	905	2,440	2,230	7,940	2,300	2,740	3,490	1,880	2,890	2,020	620
11	1,120	3,040	2,020	1,950	11,300	2,300	2,590	3,190	2,020	2,590	1,740	535
12	1,010	2,440	1,880	6,020	9,780	2,740	2,440	2,740	2,020	2,020	1,360	535
13	1,010	1,610	1,740	6,900	7,220	3,340	2,160	2,590	1,480	1,740	1,360	455
14	905	1,480	3,640	4,180	7,780	3,490	2,090	2,440	1,360	1,610	1,010	455
15	805	1,360	5,220	2,820	12,900	3,040	4,180	2,300	1,360	1,480	755	420
16	805	1,240	4,260	2,520	14,900	2,740	6,180	2,020	1,240	1,360	535	420
17	805	1,120	3,190	2,960	12,800	2,590	4,840	2,020	1,240	1,120	455	385
18	805	1,240	2,890	2,740	9,460	2,370	3,660	2,020	1,240	1,010	455	385
19	805	1,880	2,440	2,590	6,100	2,370	5,180	2,160	1,120	805	1,360	355
20	805	1,680	2,160	2,440	4,900	4,100	7,060	2,740	1,120	710	905	325
21	805	2,740	2,020	2,160	3,860	6,580	4,820	2,440	1,120	620	620	325
22	710	3,120	1,880	3,040	3,340	4,900	3,120	2,300	1,120	620	905	325
23	710	7,940	2,890	2,740	3,340	5,540	2,740	2,160	1,360	620	3,900	300
24	710	10,800	5,700	2,300	3,040	12,900	2,890	2,020	1,010	535	2,020	300
25	710	9,620	2,020	2,020	3,040	14,700	4,900	2,020	905	535	3,490	300
26	710	7,220	5,060	2,020	4,900	11,100	6,100	3,190	905	535	3,190	300
27	805	3,940	4,260	2,590	5,220	6,340	4,900	2,740	905	455	1,480	455
28	1,480	2,820	3,940	3,040	4,260	4,180	3,420	2,440	905	455	1,240	495
29	1,360	2,230	4,260	3,190	2,820	3,720	2,960	2,300	905	455	1,010	495
30	1,120	1,610	4,900	2,960	-----	3,420	2,890	2,160	805	455	805	495
31	1,010	-----	9,540	2,590	-----	3,340	-----	2,020	-----	710	710	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1906-9												
1.....	535	620	620	2,020	1,610	3,490	4,980	12,100	3,190	3,420	1,740	2,300
2.....	535	620	1,880	2,160	1,610	5,060	3,860	15,000	3,560	3,190	4,420	2,020
3.....	495	620	1,610	1,880	1,610	4,820	3,420	11,800	7,380	2,820	6,260	1,810
4.....	495	710	1,010	1,950	1,480	3,190	3,040	6,340	14,700	2,440	5,140	1,360
5.....	495	805	805	5,380	1,480	2,890	2,890	4,580	17,500	2,300	3,420	1,010
6.....	455	710	1,120	6,900	2,300	3,490	2,820	3,720	18,600	2,300	2,440	1,010
7.....	455	620	11,200	6,100	4,580	5,460	3,040	3,490	17,400	3,940	2,960	1,010
8.....	455	535	14,600	4,100	2,300	4,180	4,900	3,490	11,800	3,940	3,040	1,120
9.....	535	535	10,900	2,820	2,370	4,100	4,900	3,490	5,140	4,260	2,740	1,120
10.....	1,240	495	9,500	2,370	9,940	12,200	4,020	3,940	4,820	3,640	2,300	1,010
11.....	2,740	535	2,090	2,160	12,000	14,200	3,190	4,740	7,780	3,340	2,160	1,240
12.....	1,010	455	1,880	2,020	7,140	12,900	2,890	3,640	7,780	3,340	2,020	1,480
13.....	1,010	455	2,090	2,300	5,380	20,200	2,740	3,490	3,940	3,340	1,880	1,240
14.....	905	455	1,880	2,820	7,780	35,400	5,540	3,190	3,120	3,340	3,790	1,010
15.....	805	620	1,740	3,490	10,900	36,900	4,740	2,890	4,420	3,640	2,300	1,010
16.....	710	620	1,610	7,940	13,800	29,000	3,940	2,820	4,420	3,340	2,160	1,480
17.....	710	620	1,480	10,800	13,400	20,200	3,340	3,560	3,340	2,890	2,890	1,360
18.....	535	535	1,480	10,300	10,300	12,600	2,890	3,190	3,190	2,300	2,300	1,240
19.....	535	535	1,360	8,260	8,260	6,900	2,740	3,640	3,040	1,880	2,020	1,010
20.....	455	535	1,240	4,820	6,020	5,940	2,740	5,140	2,820	1,740	1,880	1,010
21.....	455	535	1,420	3,260	5,380	5,460	2,590	6,500	2,890	1,610	1,880	905
22.....	385	535	5,700	2,440	9,780	4,740	2,660	5,780	3,940	1,480	1,880	905
23.....	385	535	8,580	2,300	15,900	3,790	4,580	6,500	4,100	1,480	1,740	905
24.....	455	535	5,540	2,300	16,400	3,340	7,300	7,060	3,420	2,740	1,480	1,120
25.....	455	455	3,940	2,160	13,200	5,540	4,900	6,420	4,260	2,300	1,120	1,240
26.....	455	455	2,590	2,020	10,000	7,300	4,260	4,740	4,580	2,020	1,120	1,120
27.....	455	455	2,020	2,020	6,900	5,380	4,580	3,260	3,940	1,740	1,010	1,010
28.....	455	455	1,880	1,880	4,980	8,980	5,220	3,190	6,980	1,610	905	1,010
29.....	455	455	1,740	1,740	-----	9,620	4,980	3,040	5,220	1,480	905	905
30.....	620	455	1,740	1,880	-----	7,620	4,820	2,890	3,940	1,480	905	905
31.....	620	-----	1,740	1,610	-----	6,340	4,820	2,890	-----	1,610	3,040	-----
1909-10												
1.....	805	710	455	1,360	1,360	5,620	1,120	1,610	2,790	5,190	2,070	6,230
2.....	755	620	455	1,120	1,360	6,420	1,010	1,480	2,630	5,190	1,930	6,390
3.....	805	620	455	1,120	1,240	5,140	905	1,360	2,630	7,910	1,790	4,790
4.....	805	620	495	1,010	1,360	4,180	905	1,240	2,630	8,390	1,790	2,710
5.....	710	620	495	1,010	1,480	3,420	805	1,120	4,230	6,550	4,900	2,140
6.....	710	620	455	1,010	1,480	2,820	805	1,240	7,910	6,470	3,430	1,930
7.....	620	620	955	2,740	1,480	2,590	805	1,540	6,790	6,630	4,230	1,790
8.....	535	620	4,300	4,100	1,360	2,300	805	4,740	4,790	5,830	3,830	1,790
9.....	535	575	2,890	3,790	1,360	2,160	805	8,580	3,350	5,430	3,270	1,790
10.....	535	575	1,740	2,160	1,240	2,020	805	7,140	3,510	5,750	2,490	1,790
11.....	535	575	1,480	1,740	1,300	2,890	755	4,900	6,630	5,510	2,210	1,650
12.....	535	575	1,010	1,610	3,190	2,740	755	3,260	6,390	5,670	1,930	1,400
13.....	620	575	1,610	1,480	3,340	2,800	805	2,740	5,350	5,510	1,930	1,160
14.....	805	575	3,940	1,480	2,440	1,950	805	2,520	4,630	5,190	1,790	1,160
15.....	3,640	535	3,190	1,880	1,880	1,880	855	2,300	3,990	4,630	1,790	1,160
16.....	3,190	535	2,440	1,360	1,740	1,480	2,020	2,230	3,430	4,230	1,650	1,160
17.....	2,020	535	2,160	1,240	3,040	1,360	7,060	3,040	3,910	3,750	1,520	1,160
18.....	1,480	620	1,880	1,010	8,580	1,360	7,060	4,100	3,750	3,270	1,520	1,160
19.....	1,010	620	1,360	1,480	8,420	1,360	4,020	4,340	2,790	3,110	1,520	1,160
20.....	1,010	535	1,120	1,740	5,780	1,360	2,370	7,540	2,790	2,950	1,520	1,160
21.....	905	535	1,120	2,300	3,420	1,610	1,740	13,500	4,070	2,630	1,520	1,160
22.....	905	535	1,010	2,740	2,660	1,480	1,740	14,600	3,430	2,790	1,650	1,160
23.....	905	535	1,010	2,440	2,590	1,360	1,740	12,800	3,110	2,630	1,790	1,160
24.....	805	535	1,010	2,440	2,590	1,360	1,740	10,200	2,950	2,490	1,790	1,040
25.....	805	495	1,360	2,300	2,440	1,300	1,740	10,700	3,110	2,420	1,790	1,040
26.....	710	495	2,890	2,300	2,230	1,300	1,880	10,100	3,270	2,280	1,790	1,040
27.....	710	495	2,440	2,160	2,160	1,300	1,880	9,350	2,950	2,420	1,790	1,040
28.....	710	455	2,020	2,160	2,300	1,240	2,160	6,470	2,950	3,380	1,790	1,040
29.....	710	455	1,740	2,230	-----	1,240	1,880	3,830	4,710	2,420	1,790	1,160
30.....	710	455	1,480	2,020	-----	1,180	1,740	3,510	3,350	2,070	1,790	2,350
31.....	710	-----	1,360	1,880	-----	1,180	-----	3,030	-----	2,070	1,930	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1910-11												
1-----	2,790	830	1,040	2,950	1,930	3,110	1,650	2,590	1,360	1,120	535	495
2-----	1,520	830	930	7,270	2,070	2,950	1,520	2,890	1,360	1,010	620	495
3-----	1,280	930	930	13,900	2,070	3,430	1,520	2,440	1,360	1,010	1,120	495
4-----	1,280	930	1,100	15,000	2,070	3,110	2,000	2,300	1,360	1,010	1,010	495
5-----	1,280	980	3,270	13,300	2,350	2,950	6,790	2,160	1,360	1,360	905	575
6-----	1,280	1,040	9,110	11,100	2,350	2,350	12,000	2,020	1,360	1,740	710	620
7-----	1,280	1,040	7,430	7,350	2,350	2,490	9,190	1,880	1,360	1,610	1,880	620
8-----	1,280	980	4,710	3,350	2,950	2,420	8,630	1,740	1,240	1,480	1,610	575
9-----	1,520	980	2,560	2,950	6,470	2,420	15,800	1,740	1,240	1,360	1,480	495
10-----	1,400	980	2,000	2,870	7,350	2,350	16,400	1,610	1,240	1,360	1,480	455
11-----	1,400	930	1,930	2,710	8,390	2,210	13,400	1,610	1,120	1,740	1,240	455
12-----	1,280	880	1,930	2,490	8,550	2,070	9,540	1,610	1,120	1,740	1,120	455
13-----	1,280	880	1,790	2,350	5,910	1,930	5,140	1,480	1,060	1,610	535	455
14-----	1,160	880	1,520	2,210	3,990	1,930	1,810	1,480	1,060	2,160	535	455
15-----	1,160	880	1,280	1,930	3,430	1,790	1,810	1,480	1,010	2,020	495	455
16-----	1,040	830	1,160	1,930	3,270	1,790	2,740	1,480	1,010	1,880	535	455
17-----	1,040	830	1,040	1,790	3,110	1,650	3,120	1,360	1,010	1,740	620	455
18-----	1,040	830	980	1,790	2,950	1,520	2,890	1,360	1,010	1,480	905	455
19-----	930	830	930	1,720	2,790	1,520	3,490	1,360	1,010	1,240	905	455
20-----	930	830	930	1,650	3,430	2,490	7,140	1,480	1,480	1,010	805	420
21-----	930	830	930	1,650	5,030	2,790	6,900	1,610	1,880	805	710	420
22-----	830	830	930	1,650	4,470	2,490	5,460	1,880	1,880	710	620	420
23-----	830	830	930	1,520	2,870	2,070	3,640	3,040	1,120	1,120	575	420
24-----	730	830	1,280	1,400	2,630	1,790	2,890	4,740	1,120	1,240	575	420
25-----	730	830	1,520	1,280	2,490	1,650	2,740	2,590	1,120	1,740	575	420
26-----	730	830	1,400	1,400	2,490	1,790	2,590	2,090	1,010	1,180	535	420
27-----	730	830	1,280	1,650	2,790	2,490	2,440	1,680	1,010	855	535	385
28-----	930	1,160	1,280	1,790	3,910	3,750	2,440	1,610	1,120	755	535	385
29-----	1,160	1,280	1,280	1,650	-----	2,210	2,820	1,610	1,360	710	535	385
30-----	1,040	1,280	1,650	1,930	-----	1,790	2,660	1,480	1,240	535	495	355
31-----	930	-----	1,930	2,210	-----	1,650	-----	1,360	-----	535	495	-----
1911-12												
1-----	355	535	1,010	5,540	5,780	5,060	19,000	6,900	3,940	1,950	1,740	855
2-----	355	535	1,010	5,220	2,890	3,860	13,400	5,140	3,190	2,590	2,160	805
3-----	355	455	905	4,500	2,370	3,420	8,500	4,420	2,820	3,120	1,880	805
4-----	325	455	905	3,860	2,300	3,190	4,980	4,180	4,260	2,960	1,740	805
5-----	325	420	955	3,260	2,160	3,790	3,940	3,860	2,740	3,560	1,610	855
6-----	325	385	955	2,590	2,160	5,700	3,940	4,020	2,740	6,740	1,610	905
7-----	325	1,120	955	2,090	2,090	5,540	3,790	4,980	2,820	4,900	1,360	855
8-----	325	4,180	955	2,300	2,020	5,220	3,720	6,900	2,740	3,340	1,740	805
9-----	325	2,440	905	4,900	1,950	4,740	3,560	5,700	2,590	2,440	3,190	710
10-----	325	1,880	805	4,100	1,880	5,380	3,340	4,260	2,440	2,160	6,260	710
11-----	1,740	1,880	710	3,190	1,880	4,900	3,190	3,190	2,230	2,890	4,900	665
12-----	805	1,740	710	2,820	1,810	4,340	3,040	3,190	2,090	3,190	3,260	665
13-----	620	2,440	710	2,590	1,740	3,940	2,890	3,040	2,020	3,490	2,440	620
14-----	495	2,370	710	2,230	2,300	4,260	2,890	2,890	2,300	2,590	2,160	620
15-----	495	2,160	955	2,020	10,300	11,200	3,120	2,890	3,940	2,440	2,020	620
16-----	535	1,360	1,060	1,880	12,100	13,800	5,540	2,960	3,940	2,160	1,740	620
17-----	4,900	1,240	1,120	1,610	9,940	11,600	6,420	2,890	3,260	2,020	1,740	620
18-----	7,300	1,120	1,300	1,360	7,860	8,100	5,620	2,740	3,490	2,020	2,590	620
19-----	3,560	2,440	1,300	2,960	6,260	4,740	5,060	2,740	2,440	2,370	2,440	1,120
20-----	1,880	1,810	1,420	2,590	5,540	3,940	4,340	2,590	1,880	2,300	2,090	1,480
21-----	1,060	1,120	1,740	2,230	5,620	3,490	3,940	2,440	1,740	2,160	1,880	1,480
22-----	805	955	4,260	1,740	9,220	3,190	4,660	2,300	1,740	2,160	1,740	1,480
23-----	755	905	6,980	1,740	7,540	3,640	9,700	2,160	1,610	2,160	1,610	2,740
24-----	755	805	6,020	1,360	5,940	9,700	6,260	2,090	1,610	2,160	1,610	5,540
25-----	710	805	5,220	1,360	12,300	11,200	4,740	2,020	2,960	2,020	1,480	2,960
26-----	710	805	4,740	1,360	13,600	9,860	3,860	1,880	6,180	2,020	1,480	1,880
27-----	710	905	8,900	1,420	9,330	5,940	5,940	1,810	6,020	2,160	1,240	1,120
28-----	620	1,120	9,060	1,610	6,020	6,900	9,140	1,810	4,260	2,020	1,240	905
29-----	620	1,240	8,180	8,100	5,700	15,400	9,540	5,540	2,820	1,880	905	805
30-----	620	2,590	6,660	10,300	-----	20,300	9,460	8,980	2,230	1,880	905	805
31-----	620	-----	3,940	7,860	-----	22,300	-----	5,380	-----	1,950	905	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1912-13												
1.....	905	710	535	3,940	5,540	16,800	4,980	2,090	1,740	1,480	1,010	620
2.....	805	1,120	535	3,190	5,300	15,600	4,020	2,090	2,440	1,360	1,610	620
3.....	805	905	535	2,820	4,980	11,500	3,880	2,090	3,040	1,360	1,480	575
4.....	805	805	1,120	3,940	6,180	5,460	3,490	2,020	3,640	1,360	1,120	575
5.....	1,360	755	3,940	3,560	5,380	4,580	3,340	2,020	3,040	1,880	955	575
6.....	1,010	710	4,340	2,820	4,180	3,490	3,340	2,020	2,440	1,480	855	535
7.....	805	1,420	4,340	2,440	3,190	3,120	3,190	1,950	2,520	1,360	755	535
8.....	805	1,420	2,890	2,590	3,040	2,890	3,040	2,440	3,560	1,120	710	535
9.....	805	1,360	1,740	3,190	2,740	2,820	2,660	2,820	6,020	1,120	710	535
10.....	805	1,240	1,060	3,040	2,440	4,980	2,660	2,300	4,580	1,010	620	535
11.....	710	1,120	855	3,120	4,580	6,980	3,040	1,950	3,720	1,010	620	535
12.....	710	1,010	755	4,820	9,700	5,940	2,890	1,880	2,590	1,610	535	495
13.....	620	955	755	6,260	7,940	6,340	2,820	1,810	2,300	2,440	535	495
14.....	710	855	755	4,580	5,860	13,200	2,820	1,810	2,160	1,880	535	455
15.....	1,480	855	755	3,040	3,720	19,400	2,740	1,610	2,160	1,480	1,880	455
16.....	1,120	855	855	2,440	3,420	24,000	2,740	1,540	2,020	1,240	1,610	455
17.....	805	855	1,420	2,520	3,190	21,500	2,660	1,540	2,020	1,120	1,010	455
18.....	805	805	1,240	3,420	2,960	13,800	2,590	1,740	2,020	1,010	905	455
19.....	1,010	805	1,120	4,540	2,820	6,580	2,590	1,740	2,020	905	805	455
20.....	3,790	805	1,120	3,560	3,640	4,820	2,440	1,740	1,950	805	710	535
21.....	2,440	755	1,120	2,820	7,060	5,620	2,440	1,740	1,950	755	620	535
22.....	1,240	755	1,240	3,040	5,940	8,180	2,440	1,810	2,300	805	620	1,300
23.....	1,120	755	1,480	3,120	4,580	7,140	2,300	2,960	2,160	805	620	1,120
24.....	1,120	710	2,160	3,940	3,940	5,220	2,300	7,700	2,020	805	620	805
25.....	1,010	710	2,890	7,380	3,120	3,860	2,300	6,900	1,740	805	575	620
26.....	905	665	2,440	7,220	3,040	6,180	2,300	5,460	1,610	1,540	495	535
27.....	805	620	2,300	8,740	8,260	11,900	2,230	4,020	1,480	3,940	495	455
28.....	710	620	9,620	15,600	14,400	2,230	2,960	1,880	1,480	2,440	495	420
29.....	665	620	1,880	8,020	14,300	2,160	2,020	1,480	1,480	1,420	495	455
30.....	665	620	1,740	7,460	11,600	2,160	1,740	1,480	1,120	1,240	3,940	
31.....	620		3,940	6,660		7,300		1,740		1,120	620	
1913-14												
1.....	3,190	535	1,010	2,300	3,790	1,360	5,140	2,440	805	535	535	620
2.....	710	535	1,740	2,020	3,190	1,360	3,940	1,950	710	710	535	535
3.....	620	535	1,480	1,880	2,020	1,240	3,340	1,740	710	620	535	620
4.....	535	535	1,010	1,810	2,020	1,120	2,890	1,740	710	620	710	805
5.....	455	535	905	1,740	1,480	1,120	2,440	2,300	665	620	1,010	710
6.....	455	535	905	1,740	3,190	1,120	2,370	2,440	665	1,010	905	620
7.....	420	535	955	1,420	6,100	1,120	1,610	2,160	620	665	1,120	620
8.....	420	535	1,360	1,360	4,820	1,120	1,740	1,880	1,010	620	1,120	535
9.....	420	535	1,120	1,360	2,960	1,010	3,940	1,880	755	620	905	535
10.....	420	535	1,010	1,360	2,160	1,010	3,340	1,540	710	620	1,120	535
11.....	420	535	905	1,360	2,020	1,010	2,440	1,420	665	620	1,120	535
12.....	385	535	805	1,240	2,020	1,640	1,880	1,240	665	620	1,540	535
13.....	385	535	755	1,120	2,020	3,190	2,660	1,120	665	620	1,240	455
14.....	385	535	755	1,120	2,300	3,190	3,260	1,120	620	710	1,360	455
15.....	385	535	755	1,010	2,440	2,020	10,000	1,060	620	855	3,190	455
16.....	385	535	710	905	2,160	1,740	9,060	1,060	710	2,440	1,880	455
17.....	385	535	710	755	1,740	1,540	6,180	1,010	710	3,420	1,360	455
18.....	385	535	665	620	1,610	1,480	3,560	1,010	805	6,020	1,010	455
19.....	620	535	665	620	1,540	1,360	2,090	955	855	4,820	805	535
20.....	455	535	620	620	2,370	1,360	2,820	955	855	3,120	535	535
21.....	455	535	620	620	1,610	1,480	5,300	905	805	2,440	535	495
22.....	620	535	620	620	1,610	1,740	4,020	905	805	1,950	535	495
23.....	535	535	710	620	1,360	1,540	2,890	805	755	1,120	535	455
24.....	455	535	855	620	1,480	1,300	2,660	805	710	905	535	455
25.....	420	535	1,010	805	1,610	1,240	2,440	710	620	805	855	455
26.....	420	535	1,120	1,120	3,040	1,360	2,160	665	620	710	1,010	455
27.....	420	495	1,240	1,010	1,610	1,300	2,020	665	620	620	620	420
28.....	1,120	495	1,240	905	1,540	1,300	1,880	665	535	620	620	420
29.....	905	495	1,610	805		1,420	1,740	665	620	620	1,010	420
30.....	620	495	1,880	805		1,420	2,820	620	535	620	1,120	420
31.....	535		2,440	2,300		5,620		620		535	905	

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-15												
1-----	420	535	905	5,380	8,420	3,190	2,440	1,740	1,740	1,120	535	1,120
2-----	420	495	1,880	3,860	15,600	2,960	2,440	1,480	1,610	1,240	535	1,120
3-----	455	495	1,880	3,340	16,400	2,740	2,160	1,360	1,480	2,160	1,120	905
4-----	455	495	9,380	3,040	12,500	2,590	2,090	1,240	1,480	2,160	1,010	855
5-----	420	495	11,600	2,740	8,900	3,340	2,090	1,180	1,360	3,190	805	3,190
6-----	420	495	9,380	2,660	6,100	5,780	2,090	1,120	1,360	3,640	710	4,740
7-----	420	495	7,460	7,940	4,420	4,900	1,950	1,240	1,480	2,440	620	3,190
8-----	420	495	4,820	7,540	3,860	4,260	1,950	5,380	1,610	2,590	535	1,810
9-----	420	535	3,490	5,380	3,490	3,940	1,740	8,740	1,740	2,160	535	1,120
10-----	385	620	1,420	4,660	3,190	3,190	1,740	5,460	1,740	2,020	1,010	1,010
11-----	455	620	1,240	2,590	2,890	2,890	1,740	2,660	1,480	2,020	710	855
12-----	455	535	1,120	3,940	2,660	2,740	1,880	2,370	1,480	1,740	1,120	805
13-----	455	535	1,120	5,860	2,660	2,740	1,950	2,090	1,740	1,610	2,440	805
14-----	535	535	1,740	4,420	2,820	2,590	2,020	3,190	2,160	1,740	1,360	755
15-----	4,020	710	1,120	3,940	5,060	2,440	2,020	2,440	2,300	1,610	1,360	805
16-----	6,660	620	1,010	5,060	6,980	2,440	1,880	2,440	2,440	1,880	1,740	805
17-----	3,040	535	855	3,940	4,580	2,890	1,740	2,090	2,740	1,610	1,610	710
18-----	1,360	535	755	3,560	3,640	2,890	1,610	1,880	2,890	1,740	805	665
19-----	1,240	535	755	5,540	3,260	2,890	1,610	1,740	2,440	1,610	805	535
20-----	1,120	535	905	4,740	2,960	2,890	1,540	1,610	1,480	1,360	1,180	455
21-----	905	535	1,120	3,790	4,740	2,520	1,480	1,480	1,240	1,120	2,740	385
22-----	1,360	535	1,120	3,190	2,520	2,550	1,480	1,420	1,180	1,740	1,610	355
23-----	620	495	1,740	3,040	3,260	2,440	1,480	1,860	1,120	1,480	1,300	355
24-----	620	495	2,090	4,580	7,540	2,440	1,480	1,860	1,010	1,240	1,300	325
25-----	620	495	7,620	7,460	6,340	2,300	1,480	1,360	855	1,120	1,120	905
26-----	620	495	14,200	7,620	4,340	2,300	1,480	1,610	805	1,120	1,010	620
27-----	535	495	14,700	5,780	3,720	2,300	1,420	2,090	805	1,010	1,010	535
28-----	535	495	12,800	4,020	3,190	2,160	1,420	2,020	855	805	855	535
29-----	535	495	11,200	3,640	-----	2,440	1,610	1,480	1,010	710	2,440	495
30-----	535	755	10,900	3,490	-----	2,440	2,020	1,360	1,010	620	1,610	620
31-----	535	-----	8,100	3,490	-----	2,440	-----	1,360	-----	575	1,120	-----
1915-16												
1-----	3,260	855	1,540	14,400	7,620	6,340	1,880	1,420	1,540	1,120	2,440	905
2-----	3,420	805	1,480	9,860	12,000	6,980	1,880	1,300	1,540	1,120	2,440	905
3-----	1,740	805	1,420	4,260	13,900	7,220	1,880	1,300	1,360	1,120	2,440	855
4-----	1,810	715	1,900	4,260	11,900	5,540	1,880	1,300	1,240	1,120	2,440	855
5-----	7,380	710	1,120	3,420	7,140	4,180	1,880	1,300	1,240	1,120	2,300	855
6-----	6,100	620	1,120	3,120	4,580	3,640	1,880	1,300	1,240	1,120	2,090	855
7-----	2,020	620	1,120	3,560	4,020	3,940	2,020	1,300	1,540	1,680	2,090	855
8-----	1,880	620	1,120	3,560	3,340	5,060	1,740	1,240	1,540	6,740	2,090	855
9-----	1,740	710	1,120	3,490	3,490	4,340	2,090	1,240	1,360	15,100	2,090	855
10-----	1,540	710	1,120	3,190	4,100	3,490	2,090	1,120	1,120	20,800	3,560	2,090
11-----	1,480	755	1,120	3,040	3,560	3,190	1,950	1,120	1,120	25,000	3,190	855
12-----	1,420	755	1,740	2,820	3,190	3,040	1,740	1,120	1,740	27,200	2,440	855
13-----	1,420	905	2,020	4,420	2,820	2,820	1,740	1,010	3,190	26,800	2,440	855
14-----	1,300	1,120	1,740	6,580	3,340	2,440	1,740	1,010	1,740	22,300	2,440	855
15-----	2,160	2,160	1,360	6,020	2,820	2,440	1,740	955	2,440	14,500	3,190	855
16-----	1,740	3,560	1,480	3,860	2,740	2,440	1,740	955	5,380	8,180	2,440	855
17-----	1,480	3,440	1,950	3,790	2,590	2,440	1,740	855	5,380	6,900	2,440	855
18-----	1,610	1,120	9,640	3,040	2,590	2,440	1,740	855	5,820	8,660	2,090	855
19-----	2,020	2,440	15,600	2,820	2,440	2,300	1,740	855	2,440	8,900	1,740	855
20-----	3,940	2,090	13,300	2,590	2,300	2,230	1,740	855	2,090	7,540	1,740	855
21-----	4,340	1,740	10,300	2,590	2,090	2,160	1,740	855	1,740	5,540	1,740	855
22-----	3,190	1,300	5,700	4,740	2,090	2,090	1,740	855	1,420	6,340	1,420	855
23-----	3,190	1,300	3,190	7,860	2,090	1,950	1,640	4,260	1,120	8,340	1,420	855
24-----	2,300	1,300	2,590	8,180	5,940	1,950	1,640	5,300	1,120	7,940	1,420	855
25-----	1,360	1,120	2,520	6,980	5,060	1,950	1,640	3,340	1,740	7,380	1,420	855
26-----	1,360	1,120	3,720	3,940	3,340	1,950	1,540	2,020	1,880	5,060	1,420	855
27-----	1,360	2,590	3,120	3,420	2,740	2,300	1,640	1,540	1,880	4,600	1,420	855
28-----	1,240	2,440	3,490	2,960	2,740	2,590	1,420	1,540	1,540	3,190	1,120	855
29-----	1,120	2,300	12,100	2,660	5,460	2,440	1,420	1,420	1,420	3,190	1,120	855
30-----	1,060	1,740	17,800	2,440	-----	2,300	1,420	1,880	1,120	3,120	1,120	2,090
31-----	955	-----	18,700	3,190	-----	2,020	-----	2,300	-----	2,820	1,120	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-17												
1	855	1,120	1,420	3,190	7,860	6,420	7,140	2,440	3,940	1,740	1,740	2,440
2	855	805	1,360	3,120	12,200	10,500	6,180	2,370	2,370	1,360	1,680	2,370
3	805	855	1,120	4,260	8,820	13,600	5,880	2,440	1,740	1,420	3,190	2,440
4	855	855	1,120	7,400	5,300	20,300	4,900	2,440	1,740	1,360	2,370	1,680
5	855	805	1,060	5,460	4,180	31,700	8,580	3,800	1,680	1,420	1,740	1,120
6	805	855	1,740	5,300	3,790	33,700	7,700	2,440	1,740	1,360	1,680	1,060
7	855	805	1,060	5,050	3,120	27,600	9,380	2,370	1,680	3,190	1,950	1,120
8	855	855	1,120	3,940	3,190	20,600	6,900	2,440	1,880	1,680	4,900	1,060
9	805	805	2,370	3,490	2,740	13,000	6,100	2,370	3,190	1,740	7,140	1,120
10	1,740	855	1,740	3,190	2,440	6,660	5,540	2,440	6,340	1,680	4,100	1,060
11	1,120	855	1,740	2,440	2,440	4,740	5,380	2,440	3,120	1,740	2,440	855
12	855	805	1,680	2,020	2,370	4,660	4,660	2,370	2,370	1,680	2,300	575
13	805	855	1,740	2,230	2,440	4,740	4,740	2,440	2,370	1,740	1,740	620
14	620	1,120	1,740	5,700	2,880	4,820	4,840	1,740	1,740	1,680	1,680	575
15	620	1,060	1,360	5,160	2,520	4,980	3,860	2,020	1,680	1,740	1,740	620
16	575	1,120	1,120	8,660	3,190	4,660	3,940	2,090	1,740	1,680	1,680	575
17	620	1,060	1,060	8,740	3,190	5,140	3,860	2,020	1,680	1,740	1,740	620
18	620	1,120	1,120	6,900	3,860	8,660	3,790	2,090	1,740	1,680	1,680	1,680
19	1,060	805	2,370	5,460	8,340	7,460	3,490	2,020	1,680	2,440	1,740	620
20	1,740	855	1,740	5,460	14,700	5,460	3,190	1,880	2,440	2,370	1,060	575
21	1,420	855	1,610	5,300	17,900	6,340	3,190	1,120	2,090	2,440	1,120	620
22	1,120	805	2,020	7,140	16,900	10,100	3,190	1,060	2,370	2,370	1,060	575
23	1,060	855	2,090	9,860	13,600	12,100	3,190	1,740	2,440	2,440	1,120	620
24	855	2,090	2,090	8,340	10,900	13,100	3,190	1,740	1,740	2,370	1,060	1,680
25	855	1,680	1,680	6,100	8,420	26,100	2,740	1,680	1,680	2,440	1,120	1,120
26	805	1,420	1,740	4,500	5,700	28,700	2,660	1,740	1,740	2,370	1,060	1,060
27	855	1,360	1,740	3,260	4,580	26,300	2,370	1,680	1,680	2,440	855	1,240
28	855	1,420	4,580	2,370	4,500	24,600	2,440	1,740	1,740	3,120	575	4,580
29	805	1,360	9,060	2,520	-----	22,900	2,370	1,680	1,680	2,440	620	4,980
30	855	1,740	7,540	4,820	-----	18,400	2,440	1,740	1,740	1,680	575	2,300
31	1,740	-----	5,060	4,900	-----	12,300	-----	1,740	-----	1,740	620	-----
1917-18												
1	1,740	2,160	420	620	19,700	2,370	805	4,580	805	1,360	2,590	495
2	1,060	2,020	355	575	17,800	1,810	805	3,790	805	1,060	1,420	420
3	1,120	1,740	385	620	14,000	1,740	855	3,040	855	855	1,360	620
4	1,060	1,360	355	575	7,140	1,360	805	2,300	805	575	1,060	2,370
5	855	1,120	2,090	620	4,020	1,060	2,020	1,610	805	575	755	2,020
6	805	755	1,060	1,680	2,590	1,120	1,950	1,120	855	620	620	1,740
7	855	620	620	1,740	1,680	2,020	1,480	1,060	1,680	575	855	1,360
8	805	535	575	1,060	1,360	1,810	8,580	1,060	3,120	575	755	1,060
9	855	575	620	575	1,740	1,740	11,100	1,740	2,820	620	575	855
10	805	535	575	535	2,090	2,090	10,000	1,120	2,440	535	455	755
11	855	575	620	4,740	2,370	1,880	7,780	1,060	2,020	385	385	710
12	805	495	575	10,200	2,370	1,680	3,190	1,120	1,680	385	385	665
13	905	535	620	8,500	2,440	1,120	2,300	3,340	3,190	420	420	620
14	575	455	575	6,420	2,370	805	1,540	6,100	2,370	385	385	575
15	620	455	620	8,980	2,440	805	1,240	5,380	1,680	385	385	495
16	575	385	575	7,300	3,790	855	4,100	4,500	1,420	420	2,820	495
17	620	420	620	4,740	7,300	805	4,820	3,040	1,060	385	3,120	385
18	535	385	575	3,260	4,820	805	4,420	2,160	1,060	385	2,370	495
19	1,420	420	620	2,370	7,620	855	3,040	1,240	2,440	1,420	1,740	620
20	3,120	535	535	2,020	6,260	855	2,590	2,440	1,120	3,190	1,120	805
21	2,090	420	575	2,090	5,300	1,680	5,140	3,040	1,060	2,740	805	955
22	805	385	535	2,370	4,660	1,680	4,900	2,660	805	2,370	665	855
23	805	420	575	3,190	4,500	1,420	2,370	2,440	620	1,740	620	855
24	575	385	535	2,740	4,340	1,060	1,540	1,680	575	1,060	575	755
25	620	385	575	2,300	4,100	905	1,120	1,360	1,360	1,010	535	575
26	575	355	575	1,810	3,940	855	2,740	1,120	2,440	955	535	535
27	620	385	620	4,180	3,120	805	2,960	1,060	1,680	855	420	385
28	575	420	575	8,500	2,820	805	2,590	1,060	1,060	805	665	495
29	620	420	620	12,400	-----	855	4,820	1,010	855	2,440	855	620
30	1,680	385	575	14,400	-----	855	5,380	855	1,010	2,740	710	575
31	1,120	-----	620	17,100	-----	805	-----	805	-----	2,740	620	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-19												
1	496	9,460	5,140	4,420	2,300	3,720	3,490	2,740	1,740	1,880	1,300	2,520
2	455	5,540	4,180	8,580	2,300	3,340	3,190	2,440	1,680	1,740	1,490	2,740
3	420	2,300	3,720	12,000	2,230	3,120	3,190	2,440	1,680	1,610	1,610	2,300
4	355	1,740	2,960	11,600	3,420	3,190	3,190	2,440	1,610	1,420	1,480	1,740
5	355	1,610	2,660	10,100	3,640	5,140	3,190	2,440	1,540	7,140	1,360	1,480
6	385	1,360	2,370	8,980	3,640	11,500	3,040	2,660	1,480	7,460	1,360	1,360
7	355	1,300	1,950	6,660	3,420	11,600	2,890	6,100	1,360	5,300	1,300	1,360
8	355	1,240	1,810	5,140	3,340	11,000	2,740	8,950	1,360	4,100	1,360	1,360
9	355	1,060	1,680	3,640	3,260	14,500	2,660	6,100	1,300	3,040	1,300	1,060
10	300	1,010	1,300	3,040	3,040	14,500	2,660	3,420	1,300	2,370	1,300	905
11	300	755	1,240	2,960	2,590	11,600	3,420	2,820	1,240	2,160	1,300	905
12	300	710	1,610	2,520	2,520	9,940	5,780	2,520	1,480	1,950	1,480	855
13	325	710	2,020	2,520	5,880	8,180	4,420	2,590	1,420	1,950	1,540	855
14	300	535	4,900	1,540	8,820	5,380	3,190	3,790	1,300	1,810	1,420	855
15	300	535	9,300	1,300	8,580	4,580	3,260	3,190	1,300	1,610	1,300	805
16	325	1,060	8,980	3,260	6,740	3,860	5,140	3,040	1,240	1,480	1,240	755
17	300	3,040	8,420	8,580	5,220	4,900	7,140	2,440	1,240	1,480	1,180	755
18	385	3,420	7,300	7,700	4,420	7,540	5,380	2,230	1,420	2,160	1,120	710
19	420	3,560	4,180	6,900	3,790	6,340	4,020	2,090	1,720	3,190	1,180	710
20	385	2,300	2,820	5,300	3,640	4,740	3,420	2,090	1,610	3,190	1,120	755
21	385	1,610	5,860	4,420	7,140	3,720	3,340	2,090	1,680	3,120	1,120	755
22	385	1,300	13,000	3,640	10,200	3,340	3,190	2,090	1,740	2,160	2,300	710
23	495	1,540	16,300	3,420	15,100	3,420	2,960	2,020	1,950	1,740	3,660	755
24	385	1,420	16,800	5,460	14,800	3,260	2,740	2,020	2,590	1,610	3,640	710
25	1,950	1,610	14,400	6,580	12,600	3,190	2,590	1,950	3,120	1,480	3,790	710
26	1,360	2,370	11,600	9,220	10,900	3,420	2,440	1,950	3,120	1,420	2,960	665
27	2,660	2,660	8,740	10,600	8,660	7,140	2,300	1,850	6,420	1,300	2,060	665
28	1,420	3,120	4,900	8,100	5,140	9,780	2,230	1,880	3,860	1,300	1,610	620
29	4,100	6,500	3,040	5,220	-----	8,660	2,230	1,740	3,190	1,300	1,420	575
30	12,800	6,020	2,660	3,640	-----	7,620	2,440	1,740	2,590	1,240	2,300	575
31	13,300	-----	2,520	2,660	-----	4,900	-----	1,740	-----	1,240	3,340	-----
1919-20												
1	575	1,060	2,590	1,610	4,580	3,120	11,500	3,940	2,230	2,300	1,480	3,040
2	575	1,740	2,020	1,540	3,790	3,120	19,400	3,560	2,160	4,740	1,480	3,720
3	535	1,610	1,480	1,540	5,860	3,120	32,700	5,380	2,230	12,300	1,420	4,340
4	575	1,300	1,120	1,480	13,400	3,190	37,900	5,780	2,520	14,700	1,420	4,260
5	620	1,120	1,120	1,480	15,500	6,740	31,900	4,260	3,720	10,000	1,360	4,020
6	620	1,060	1,240	1,420	13,600	7,700	26,800	3,860	3,190	4,420	1,300	3,790
7	575	1,010	1,610	1,420	10,700	5,380	21,900	3,490	2,660	2,890	1,300	3,490
8	620	905	3,190	2,440	7,060	4,100	13,300	3,420	2,300	2,590	1,240	3,490
9	665	905	9,860	2,590	4,420	3,720	9,140	3,260	2,300	2,440	3,640	4,020
10	620	805	14,900	2,440	3,640	3,420	10,000	3,120	1,740	2,230	7,140	4,420
11	575	1,240	17,400	2,370	4,100	3,260	7,860	2,820	1,610	3,640	11,600	3,940
12	575	1,680	11,200	2,230	4,020	5,700	6,020	2,820	1,610	4,100	10,800	3,790
13	905	1,540	4,820	2,160	4,420	9,940	5,780	6,980	1,540	3,940	8,020	3,190
14	805	1,540	4,260	2,160	4,180	9,380	5,540	11,200	1,540	3,560	12,500	3,790
15	665	1,420	4,660	2,090	3,790	6,180	4,900	8,420	1,610	1,740	16,000	3,940
16	710	1,300	4,180	3,190	3,560	4,740	4,340	5,380	1,480	2,300	18,600	4,240
17	805	1,240	3,720	5,700	3,340	6,180	6,180	3,560	1,420	1,740	20,300	3,940
18	805	1,120	3,190	5,940	3,190	7,940	4,820	3,340	1,680	2,060	17,800	3,490
19	755	1,060	3,040	4,740	3,040	8,020	3,940	4,980	1,740	3,120	13,700	3,190
20	755	1,060	3,720	4,100	2,890	11,400	3,490	4,020	1,810	4,180	9,940	2,890
21	755	1,010	3,420	3,260	2,890	10,400	7,300	3,490	1,950	2,180	7,620	2,520
22	2,300	1,010	3,040	2,740	6,500	7,620	8,900	3,420	1,880	2,040	5,460	2,160
23	6,660	1,060	2,440	2,590	13,000	5,380	6,020	2,890	2,160	2,440	5,620	1,950
24	7,300	1,010	2,300	7,940	14,400	4,100	4,740	2,740	3,120	2,300	5,060	1,810
25	5,060	1,010	2,090	13,200	11,700	3,560	4,180	3,190	3,190	2,300	4,100	2,160
26	2,660	955	2,090	14,500	8,500	5,700	4,340	3,560	2,090	2,090	3,560	2,370
27	2,090	1,010	1,950	14,200	5,780	5,460	7,140	3,340	1,950	2,090	3,720	1,950
28	1,680	1,010	1,880	11,200	3,790	4,740	6,580	3,040	1,740	1,810	3,260	1,740
29	1,420	955	1,810	7,700	3,260	11,100	5,060	2,660	1,610	1,680	5,140	1,540
30	1,300	1,680	1,740	5,700	-----	11,300	4,100	2,440	1,680	1,540	4,580	1,480
31	1,120	-----	1,610	4,820	-----	9,780	-----	2,300	-----	1,540	3,420	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1920-21												
1	1,420	1,240	2,960	3,860	3,420	3,640	5,060	2,520	1,480	1,120	1,360	1,010
2	1,420	1,420	2,370	3,720	3,340	3,560	4,900	2,300	1,480	1,060	1,300	1,010
3	1,480	1,740	2,160	3,490	3,120	3,560	2,520	1,420	1,180	1,120	1,180	955
4	1,540	1,610	1,890	3,420	2,960	3,260	3,040	2,590	1,300	1,120	1,180	955
5	1,480	1,360	2,740	3,190	3,560	3,120	2,820	2,440	1,300	1,180	1,360	906
6	1,480	1,300	3,190	2,960	5,220	3,040	2,590	2,370	1,360	1,060	1,300	855
7	1,540	1,300	2,960	2,660	5,220	2,960	2,520	2,230	1,300	955	1,240	855
8	1,480	1,240	3,640	2,520	9,540	2,960	2,520	2,090	1,300	1,010	2,300	806
9	1,480	1,240	4,900	4,260	19,400	2,890	2,440	2,020	1,360	1,120	1,740	806
10	1,480	1,180	4,180	9,640	32,200	2,820	2,300	1,880	1,420	1,610	1,540	806
11	1,420	1,180	3,120	9,380	41,400	2,740	2,160	2,440	1,360	1,950	1,120	755
12	1,360	1,120	2,520	7,140	37,400	2,740	2,020	3,490	1,300	1,300	1,420	806
13	1,300	1,120	3,860	5,940	23,900	2,660	1,950	3,120	1,300	1,180	1,300	806
14	1,300	1,120	15,100	8,580	21,700	2,590	2,230	2,740	1,240	1,060	1,480	755
15	1,300	1,180	19,800	10,000	14,400	2,590	2,520	2,590	1,240	1,880	1,880	755
16	1,240	2,660	20,800	7,460	9,620	2,520	2,820	2,440	3,260	1,740	3,720	755
17	1,240	2,960	16,800	5,540	5,540	2,520	9,700	2,230	1,950	2,960	6,020	710
18	1,300	2,440	10,300	4,820	4,500	2,440	11,300	2,160	1,680	3,190	4,690	806
19	1,300	1,950	4,180	4,260	4,340	2,520	11,500	1,950	1,240	2,090	2,660	955
20	1,300	2,300	3,190	3,490	5,860	2,440	9,860	1,810	1,610	1,540	2,020	906
21	1,240	1,540	2,820	3,340	7,140	2,370	4,500	1,680	1,610	2,890	1,540	855
22	1,240	1,480	6,580	3,260	6,660	2,370	3,560	2,590	1,480	5,780	1,360	855
23	1,240	1,480	12,900	3,120	5,860	2,520	4,100	2,370	1,360	4,950	1,180	806
24	1,180	1,420	13,100	2,960	5,060	2,960	4,020	2,160	1,300	2,590	1,420	710
25	1,120	1,360	19,780	2,890	4,660	4,180	3,260	1,880	1,240	2,020	2,440	710
26	1,120	1,360	5,620	2,890	4,420	4,100	2,960	1,680	1,240	1,610	1,950	855
27	1,420	1,300	8,100	3,560	4,020	3,420	3,340	1,810	1,180	1,360	1,740	1,610
28	2,230	2,740	9,700	3,490	3,790	2,890	3,560	1,680	1,120	1,300	1,420	3,120
29	1,610	3,790	7,620	3,860	-----	2,960	3,260	1,610	1,060	1,300	1,180	1,610
30	1,360	3,260	5,300	3,260	-----	2,590	2,740	1,540	1,120	1,240	1,060	1,300
31	1,240	-----	4,260	3,560	-----	2,440	-----	1,540	-----	1,240	1,060	-----
1921-22												
1	1,120	1,060	4,980	1,950	3,490	4,500	8,260	3,790	2,890	1,540	1,180	806
2	1,060	2,020	4,500	1,880	3,560	11,000	7,220	3,260	5,380	1,680	1,120	755
3	2,520	1,740	6,500	1,740	3,640	13,300	5,300	3,490	7,140	1,540	1,060	710
4	3,120	1,480	5,380	1,610	3,490	12,700	4,020	9,540	6,020	1,610	1,180	955
5	2,520	1,060	3,940	1,680	6,020	12,000	3,720	11,300	4,340	1,950	906	665
6	2,090	955	3,190	2,090	6,660	8,820	4,660	9,300	3,420	1,680	906	665
7	1,810	855	2,960	1,950	5,900	8,820	5,700	7,220	3,120	1,540	855	665
8	1,540	805	2,370	4,100	4,580	10,400	4,340	6,180	4,100	1,420	855	620
9	1,010	1,420	2,230	5,780	3,720	8,820	3,640	5,380	4,260	1,360	1,740	620
10	855	1,240	2,090	5,380	3,490	8,900	3,720	4,820	3,420	1,300	1,420	875
11	755	1,060	1,950	6,260	3,420	15,600	3,720	4,260	2,590	1,240	1,180	665
12	755	955	1,810	6,260	3,190	19,700	4,100	6,020	2,370	1,680	955	2,160
13	710	905	1,680	5,060	3,340	20,800	3,790	4,020	2,590	1,480	905	1,010
14	710	1,540	1,610	3,640	5,620	16,500	3,340	3,120	2,890	1,810	855	805
15	665	2,960	1,490	2,890	11,500	12,700	3,040	2,960	2,440	1,680	855	755
16	710	3,790	1,420	2,740	14,700	10,400	2,960	3,120	2,090	1,540	805	710
17	710	7,380	1,420	2,820	14,600	8,900	3,720	3,120	1,810	1,540	1,120	665
18	710	2,660	2,620	2,890	12,400	8,580	4,300	3,190	2,300	2,090	1,010	1,540
19	710	5,460	2,740	4,020	9,300	7,780	10,000	3,190	2,660	1,680	955	1,010
20	710	5,380	2,370	13,600	5,380	10,300	11,500	2,960	2,300	1,480	906	710
21	665	3,940	2,230	22,700	4,340	8,500	10,900	2,590	2,020	1,300	855	665
22	665	2,740	2,020	37,200	3,790	6,020	6,260	2,370	1,880	1,300	806	665
23	665	2,090	1,680	35,400	3,490	4,740	4,340	2,590	1,740	1,240	755	665
24	665	1,880	1,400	28,700	3,420	4,420	3,790	2,440	1,680	1,360	755	620
25	665	1,680	2,660	21,500	3,260	4,020	3,490	2,890	1,610	1,360	755	620
26	620	1,610	6,100	13,000	3,260	3,790	3,420	2,590	1,540	1,300	1,010	620
27	620	3,490	6,140	6,900	4,260	3,640	3,340	2,370	1,540	2,020	1,610	575
28	755	7,060	3,190	5,480	4,580	4,420	3,640	3,190	1,880	2,160	1,480	575
29	710	7,700	2,740	4,740	-----	4,500	5,300	3,120	2,160	1,420	1,010	575
30	805	6,420	2,370	4,020	-----	3,860	4,500	2,960	1,680	1,360	855	575
31	955	-----	2,090	3,490	-----	3,940	-----	2,660	-----	1,300	805	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1922-23												
1.....	575	575	575	4,820	3,190	3,420	2,520	6,260	5,947	2,890	2,440	1,420
2.....	535	575	575	6,260	3,190	2,820	2,370	4,100	4,901	2,660	2,440	1,360
3.....	535	575	575	4,020	4,900	2,520	2,230	3,490	3,947	2,440	2,300	1,360
4.....	495	575	1,010	2,960	5,220	2,370	2,660	3,560	3,497	3,190	1,880	1,300
5.....	495	575	3,120	2,520	9,380	2,370	5,060	5,780	3,267	2,520	1,740	1,880
6.....	495	535	1,610	2,090	10,400	2,590	4,580	7,700	3,797	2,230	1,880	1,880
7.....	1,640	575	1,060	1,950	9,140	5,780	3,860	5,700	3,347	2,160	3,340	1,360
8.....	2,160	575	1,010	1,810	6,820	6,980	3,120	4,420	5,467	2,160	2,090	1,300
9.....	1,420	575	1,300	1,680	4,660	5,700	3,040	4,960	3,947	3,190	1,810	1,240
10.....	1,060	535	1,420	1,610	3,940	3,640	3,190	3,790	3,267	3,040	4,260	1,240
11.....	805	535	1,540	1,480	3,560	3,420	2,660	3,340	3,567	2,020	3,940	1,120
12.....	710	535	1,360	1,360	3,640	3,860	3,120	3,120	4,827	1,810	2,370	1,060
13.....	665	535	1,480	1,300	6,180	4,960	3,940	3,720	6,027	1,740	2,020	1,060
14.....	620	535	1,610	1,240	10,700	5,140	11,400	4,580	4,827	3,120	2,020	1,010
15.....	575	535	2,960	1,480	9,620	4,420	12,900	4,260	3,267	3,790	1,740	955
16.....	575	575	7,220	1,740	7,940	4,500	8,740	10,000	2,890	2,590	1,610	955
17.....	575	575	9,300	1,480	4,580	10,500	4,900	10,600	2,590	2,740	1,480	905
18.....	620	710	14,300	1,300	3,040	9,380	3,790	9,780	2,44	4,820	1,740	855
19.....	665	710	13,500	1,240	2,820	7,940	3,420	10,000	2,307	7,140	1,680	855
20.....	620	710	9,060	1,180	2,660	6,660	3,040	11,500	2,167	7,700	1,540	855
21.....	620	665	4,820	1,240	2,590	4,820	3,190	11,200	2,097	5,300	1,420	855
22.....	620	665	2,370	1,740	2,440	4,020	4,020	9,540	2,237	3,560	1,360	1,120
23.....	575	665	2,020	5,300	2,300	3,860	4,180	7,460	2,167	2,890	1,680	1,010
24.....	665	665	1,810	9,620	2,160	4,820	4,580	7,300	2,167	2,820	4,420	905
25.....	710	620	1,610	9,300	2,090	5,460	3,790	6,890	2,967	2,300	2,890	905
26.....	710	620	1,480	8,660	2,020	4,100	3,190	6,020	2,377	1,880	1,880	955
27.....	665	575	1,420	6,980	3,340	3,640	3,040	6,500	2,377	1,740	1,740	905
28.....	665	575	1,480	4,320	4,660	3,260	5,300	7,220	4,747	1,680	1,680	905
29.....	620	620	2,300	3,190	-----	2,890	7,460	7,460	7,307	3,940	2,230	855
30.....	620	620	1,810	2,960	-----	2,740	9,380	7,220	4,347	5,140	2,440	805
31.....	575	-----	1,950	2,960	-----	2,960	-----	7,300	-----	3,640	1,610	-----
1923-24												
1.....	755	710	1,240	2,660	2,820	8,810	2,300	7,460	5,707	1,610	1,240	665
2.....	755	710	1,240	5,780	2,740	4,580	2,090	8,100	4,347	1,540	2,440	665
3.....	710	710	1,180	9,660	2,660	3,940	2,020	6,820	3,567	1,420	1,610	755
4.....	710	805	1,360	10,400	2,440	3,940	2,520	3,940	3,197	1,300	1,740	755
5.....	710	855	3,340	8,980	2,440	7,140	6,820	3,340	2,967	2,020	1,300	710
6.....	710	805	5,540	7,620	2,440	15,400	6,740	3,040	2,597	6,020	1,180	665
7.....	710	805	4,820	4,740	2,230	17,400	6,980	2,890	2,447	8,180	1,120	665
8.....	710	805	2,890	3,260	2,160	14,600	4,260	2,660	2,307	8,980	1,300	620
9.....	710	755	1,810	2,820	2,160	10,300	3,120	2,590	2,237	8,420	1,180	665
10.....	665	755	1,610	2,890	2,090	5,540	2,820	2,660	2,897	6,020	1,060	1,240
11.....	665	755	1,680	7,300	2,020	4,500	2,890	3,640	3,127	2,440	1,010	1,120
12.....	620	710	1,680	8,500	2,020	3,940	3,340	3,790	2,897	3,560	955	955
13.....	620	710	1,610	8,020	2,090	3,720	3,560	3,120	2,747	5,220	905	755
14.....	620	710	2,090	6,820	2,020	3,560	3,040	2,740	2,827	3,790	905	755
15.....	620	710	3,940	3,790	1,950	3,420	4,500	2,590	3,727	4,500	855	710
16.....	620	710	3,790	6,260	1,880	3,040	6,740	2,440	3,197	3,640	855	710
17.....	665	710	7,540	10,700	2,960	6,260	2,370	2,370	2,447	2,890	805	665
18.....	665	710	5,940	8,420	1,810	2,820	15,400	2,230	2,167	2,230	855	710
19.....	665	710	3,640	4,820	2,160	2,740	19,000	2,090	1,957	2,090	855	855
20.....	755	710	2,590	3,940	5,620	2,660	22,500	2,020	1,817	2,230	855	955
21.....	755	665	1,680	3,790	6,340	3,120	19,400	1,950	1,747	2,020	805	955
22.....	710	665	2,090	3,190	4,740	3,790	12,900	1,880	1,617	1,740	805	955
23.....	755	1,060	3,640	2,890	3,260	3,120	6,340	1,810	1,617	1,540	755	805
24.....	755	1,880	3,860	3,260	2,960	2,890	4,180	1,810	1,547	1,880	905	805
25.....	755	1,240	4,180	6,340	2,740	2,590	3,860	1,880	1,547	1,610	955	755
26.....	755	1,060	2,740	4,660	3,790	2,440	3,420	1,810	1,617	1,480	905	805
27.....	710	1,180	2,590	3,940	12,100	2,370	3,120	2,370	1,817	1,300	805	955
28.....	710	1,300	2,370	2,890	14,200	2,300	3,120	5,780	2,690	1,240	755	905
29.....	710	1,120	2,230	2,960	11,800	2,230	3,560	7,940	2,160	1,120	710	955
30.....	710	1,060	2,230	2,960	-----	2,740	4,960	10,700	1,610	1,060	710	1,240
31.....	665	-----	2,160	2,890	-----	2,740	-----	9,220	-----	1,060	665	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1924-25												
1-----	1,300	495	575	8,260	2,230	1,740	1,680	1,540	755	495	325	212
2-----	955	495	535	6,820	2,520	1,950	1,540	1,480	710	495	355	212
3-----	805	495	535	5,140	2,960	1,810	1,540	1,360	710	495	355	231
4-----	755	495	575	2,960	2,830	1,740	1,810	1,800	710	455	355	231
5-----	710	495	755	2,440	2,440	1,950	4,260	1,240	710	455	325	212
6-----	710	495	1,680	2,300	2,230	2,160	6,100	1,240	665	455	325	195
7-----	665	535	1,480	1,810	2,090	2,020	3,260	1,180	710	575	325	180
8-----	665	535	3,790	1,540	1,950	1,880	2,300	1,120	755	955	325	180
9-----	620	535	8,900	3,120	2,020	1,740	2,090	1,120	805	1,240	325	212
10-----	620	495	6,980	8,740	2,960	1,610	1,950	1,060	755	1,060	355	212
11-----	575	495	4,740	10,900	3,720	1,540	2,740	1,060	755	805	325	231
12-----	575	495	2,300	11,600	3,120	1,480	2,820	1,240	710	665	325	231
13-----	575	495	1,900	11,100	2,230	1,420	2,320	1,740	710	755	300	231
14-----	535	495	1,120	9,540	2,090	1,450	2,060	1,880	665	710	300	212
15-----	535	535	1,010	4,900	2,090	1,610	2,020	1,480	665	535	275	212
16-----	535	535	955	3,190	3,420	1,880	1,810	1,180	620	535	275	231
17-----	535	535	955	6,340	3,860	5,060	1,740	1,120	620	495	300	231
18-----	535	535	905	11,800	3,260	7,300	1,740	2,690	575	455	325	212
19-----	535	535	905	15,500	2,890	7,540	1,680	1,880	575	420	300	212
20-----	495	535	955	16,300	2,440	8,420	1,540	1,540	575	420	300	212
21-----	495	535	855	13,600	2,300	5,940	1,420	1,120	620	385	275	212
22-----	495	575	755	8,980	2,160	3,640	1,360	1,120	575	385	275	212
23-----	455	755	755	4,740	2,090	2,960	1,300	1,010	535	805	275	195
24-----	455	710	4,020	3,640	2,020	2,660	1,300	955	535	620	252	212
25-----	455	665	4,740	3,120	1,950	2,300	1,240	1,010	575	495	252	212
26-----	495	665	2,740	2,820	1,950	2,230	1,300	1,010	535	420	231	955
27-----	620	620	1,810	2,660	1,880	2,230	1,300	955	495	385	231	385
28-----	535	620	1,300	3,190	1,740	2,160	1,740	955	495	385	231	355
29-----	535	575	1,240	2,890	-----	1,950	2,370	905	455	355	212	355
30-----	535	575	1,420	2,660	-----	1,810	1,950	865	455	355	212	325
31-----	495	-----	3,790	2,370	-----	1,740	-----	755	-----	365	212	-----
1925-26												
1-----	300	710	1,420	1,300	2,520	2,520	8,340	1,740	905	805	3,940	1,300
2-----	275	955	1,300	1,240	2,590	2,370	5,380	1,610	905	755	6,100	1,120
3-----	1,010	1,060	1,060	1,300	3,640	2,160	3,560	1,540	855	855	5,860	1,010
4-----	755	955	1,010	3,260	6,130	2,020	2,960	1,810	905	805	3,790	905
5-----	495	955	1,240	7,940	5,300	1,880	2,660	1,680	955	755	3,490	855
6-----	385	805	1,540	7,940	3,720	2,370	2,440	1,540	955	755	2,890	955
7-----	385	905	1,420	5,860	2,820	6,980	2,300	1,480	905	710	1,810	1,360
8-----	355	3,860	1,180	4,740	2,160	9,300	2,660	1,420	855	1,060	1,420	1,060
9-----	620	6,660	1,120	4,420	2,090	7,140	4,100	1,360	855	1,010	1,240	1,060
10-----	535	4,260	1,060	3,640	2,300	4,100	3,340	1,360	805	1,420	1,120	955
11-----	355	2,090	955	3,040	2,230	4,260	2,740	1,180	805	1,010	1,010	905
12-----	325	2,660	905	2,890	2,090	5,540	2,960	1,180	805	1,180	1,740	905
13-----	385	6,590	905	2,440	2,020	5,060	3,260	1,120	755	905	2,300	855
14-----	1,240	5,140	955	2,300	2,090	3,790	5,460	1,300	755	855	1,950	805
15-----	2,230	2,890	4,580	2,090	2,020	3,190	3,420	1,300	755	805	2,300	805
16-----	2,440	2,020	4,980	1,950	1,950	2,960	2,960	1,740	855	710	1,180	755
17-----	2,160	1,810	4,100	2,440	1,740	2,740	2,660	1,610	805	620	1,420	755
18-----	2,090	1,480	3,340	9,780	1,810	2,520	2,440	1,480	755	620	3,340	710
19-----	1,610	1,360	2,660	12,100	5,140	2,370	2,230	1,420	855	575	3,040	665
20-----	955	1,240	5,780	9,380	5,300	2,230	2,090	1,480	2,020	575	4,660	665
21-----	620	1,180	6,500	6,900	4,180	2,440	1,950	1,880	1,880	535	3,560	620
22-----	535	1,120	6,580	6,180	3,260	2,440	1,810	1,610	1,950	535	3,860	575
23-----	535	1,060	4,900	5,220	2,890	2,300	2,960	1,480	2,300	955	2,890	710
24-----	1,120	955	3,340	4,500	2,520	2,660	3,260	1,300	3,860	755	1,950	1,060
25-----	4,900	955	2,440	3,860	3,040	2,440	3,420	1,180	3,190	805	3,120	1,010
26-----	5,460	905	2,300	3,340	4,340	2,660	2,820	1,120	1,810	1,010	3,420	805
27-----	3,040	905	2,090	3,190	3,640	2,740	2,440	1,060	955	2,370	2,890	710
28-----	1,480	1,680	1,810	3,040	2,820	3,040	2,090	1,010	955	6,340	1,810	620
29-----	1,010	1,740	1,610	2,740	-----	2,740	1,810	1,010	1,010	7,060	1,480	575
30-----	805	1,480	1,480	2,520	-----	3,040	1,810	955	805	4,020	1,360	535
31-----	710	-----	1,360	2,300	-----	7,940	-----	955	-----	2,020	1,240	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1926-27												
1-----	535	855	1,680	13,000	2,280	3,540	7,760	3,860	1,480	1,300	3,340	805
2-----	495	755	1,680	6,240	2,140	5,840	6,720	3,190	1,480	1,180	4,580	855
3-----	905	755	1,610	3,540	2,020	5,840	4,600	2,660	1,420	1,120	2,590	865
4-----	805	710	1,420	3,120	1,820	4,300	3,620	2,370	1,420	1,120	2,520	905
5-----	710	620	1,240	2,780	1,700	3,540	3,120	2,230	1,420	1,060	2,440	855
6-----	655	575	1,180	2,560	1,640	3,400	5,680	2,590	1,360	1,060	2,520	835
7-----	575	575	1,120	2,360	1,640	3,770	5,840	2,890	1,360	1,010	2,090	805
8-----	535	575	1,120	2,140	1,640	6,720	4,140	2,820	1,360	1,010	1,450	755
9-----	535	855	2,660	2,020	3,200	10,300	3,200	2,590	1,480	1,740	1,360	755
10-----	535	3,340	3,640	1,880	2,640	12,700	5,600	2,370	1,810	6,020	1,480	710
11-----	710	2,520	3,260	1,820	2,560	12,800	12,700	2,160	1,880	6,580	1,360	755
12-----	620	1,120	3,190	1,760	2,780	11,700	15,000	2,020	2,370	4,420	1,480	710
13-----	710	1,010	3,940	1,700	5,600	9,410	14,000	1,950	2,370	3,040	1,480	665
14-----	2,590	905	6,500	1,700	10,900	5,840	10,500	1,950	4,180	2,160	1,240	665
15-----	1,360	855	6,820	1,760	10,900	6,640	6,660	1,880	4,260	2,440	1,180	620
16-----	955	5,540	5,060	1,760	7,760	6,000	4,740	1,810	3,940	2,440	1,120	620
17-----	805	4,580	3,190	1,700	4,520	4,370	4,100	1,740	2,820	2,960	1,060	575
18-----	710	2,520	2,590	1,640	3,480	3,700	3,720	1,680	2,300	4,280	1,010	875
19-----	665	2,440	2,520	1,580	3,540	3,340	3,490	1,680	2,520	8,900	1,010	855
20-----	620	1,950	2,300	1,520	4,740	2,980	3,190	1,610	2,160	5,220	1,060	2,160
21-----	575	1,680	1,880	1,460	4,440	2,840	3,560	1,540	1,950	3,340	1,060	1,300
22-----	575	1,420	2,370	1,520	3,260	2,700	6,680	1,610	1,880	3,420	1,010	1,010
23-----	535	1,300	3,040	1,520	4,140	2,640	6,660	1,540	3,120	3,040	1,955	805
24-----	535	1,180	4,260	1,460	8,480	2,500	6,240	1,610	5,380	2,440	855	755
25-----	575	1,120	9,860	1,460	8,480	2,840	4,500	1,610	2,890	1,680	805	665
26-----	620	1,240	13,800	1,410	7,120	2,560	3,560	1,740	2,090	1,420	805	620
27-----	620	4,180	15,900	1,520	4,370	2,360	3,190	1,680	1,810	1,300	1,010	620
28-----	575	3,420	17,600	1,640	3,540	2,220	2,890	1,540	1,540	1,800	1,060	575
29-----	575	2,160	21,700	1,760	-----	2,140	2,740	1,480	1,420	1,060	1,010	575
30-----	575	1,740	21,900	2,220	-----	2,280	2,660	1,420	1,360	1,010	955	575
31-----	665	-----	18,600	2,220	-----	3,620	-----	1,420	-----	1,180	855	-----
1927-28												
1-----	535	515	805	10,200	4,100	2,020	15,500	3,340	2,740	5,860	2,440	2,890
2-----	515	515	2,020	8,660	3,340	1,880	11,800	3,940	3,940	4,900	2,020	5,380
3-----	515	620	4,740	5,220	2,890	1,610	7,460	3,940	4,580	3,190	1,810	10,000
4-----	475	1,240	3,340	3,190	2,590	1,740	3,940	3,040	5,380	2,740	1,740	10,000
5-----	475	1,010	3,040	2,660	2,440	1,880	3,490	2,740	6,820	2,300	1,950	10,600
6-----	475	805	2,440	2,590	2,300	1,740	3,040	2,590	6,340	2,160	1,810	14,600
7-----	475	710	2,300	2,440	2,300	1,610	3,340	3,340	5,380	2,300	1,880	14,700
8-----	535	710	2,300	2,300	2,890	1,880	4,260	4,420	4,340	2,890	1,610	9,240
9-----	805	1,240	2,160	3,190	3,790	6,500	3,640	4,420	3,190	2,890	1,740	4,140
10-----	1,120	1,610	2,160	3,790	3,640	9,460	3,340	3,490	3,120	3,390	2,020	3,200
11-----	805	1,240	2,160	3,640	2,890	7,620	6,340	3,040	3,340	5,380	1,880	2,640
12-----	710	1,010	2,230	3,040	2,590	4,980	9,060	2,740	2,890	4,340	1,610	2,360
13-----	2,590	905	2,890	2,740	2,440	3,720	7,540	2,440	3,340	7,460	1,540	2,140
14-----	1,480	805	4,580	2,440	2,300	4,100	7,140	2,300	4,900	10,000	1,680	2,020
15-----	1,010	710	8,740	2,300	2,440	3,940	7,860	2,300	6,260	9,540	1,880	1,880
16-----	805	710	13,200	2,160	2,440	3,340	6,820	2,300	4,740	4,660	4,740	2,420
17-----	710	1,880	14,200	2,020	2,300	3,640	4,820	2,160	3,340	2,890	4,420	2,840
18-----	710	4,580	12,500	1,880	2,300	3,790	3,860	2,160	2,890	2,890	3,640	2,140
19-----	620	5,060	10,300	1,880	2,160	3,940	3,560	2,300	2,590	2,440	2,740	1,880
20-----	620	3,190	5,700	1,880	2,020	3,190	3,040	3,940	2,440	2,300	2,520	1,700
21-----	620	1,360	2,890	1,880	1,880	2,890	5,940	5,540	2,300	2,520	2,300	1,580
22-----	620	1,120	2,590	1,740	1,740	2,590	8,260	4,260	2,160	3,940	2,300	1,520
23-----	620	1,010	2,440	1,610	3,190	2,440	9,140	6,020	2,020	4,900	1,810	1,520
24-----	535	905	2,160	1,610	3,640	2,300	9,140	7,460	2,740	3,560	1,740	1,460
25-----	535	805	2,020	2,590	3,340	2,300	6,980	5,700	5,220	3,560	2,520	1,410
26-----	535	805	1,880	3,040	2,740	2,300	5,060	3,790	6,180	3,860	2,960	1,360
27-----	535	805	1,740	2,440	2,440	4,580	3,940	3,190	4,100	4,020	2,440	1,300
28-----	535	805	1,610	2,300	2,160	5,860	4,340	2,890	3,940	3,490	2,090	1,300
29-----	515	710	2,020	2,020	2,020	5,700	3,940	3,040	3,940	2,960	1,880	1,240
30-----	515	805	3,640	1,880	-----	10,700	3,640	3,040	4,420	2,440	1,740	1,240
31-----	515	-----	9,540	1,880	-----	14,900	-----	3,040	-----	2,520	2,520	-----

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1897-1928 and 1929-30—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1929-30												
1	1,700	995	3,060	2,840	3,480	2,080	2,500	1,580	1,360	1,100	690	440
2	1,700	1,240	3,700	2,840	3,700	2,020	2,420	1,580	1,300	905	575	440
3	1,580	9,240	5,440	3,480	3,840	1,950	1,740	1,520	1,300	815	540	440
4	1,410	11,200	4,520	3,700	6,160	1,880	6,480	1,760	1,240	770	540	410
5	1,640	8,080	3,480	2,980	8,820	1,880	5,600	1,680	1,240	730	540	440
6	2,080	5,040	3,200	2,700	7,840	2,420	6,640	1,520	1,820	730	540	505
7	1,820	2,560	3,060	2,640	5,120	12,000	6,320	1,460	2,140	730	505	410
8	1,580	3,260	3,260	2,500	3,920	16,900	4,900	1,460	1,880	690	505	440
9	1,410	3,480	2,980	2,420	3,400	17,900	3,700	2,420	1,460	690	505	440
10	1,300	2,780	2,780	2,360	3,120	13,400	3,260	2,220	1,300	690	1,040	505
11	1,200	3,340	2,640	2,220	2,840	7,280	2,980	1,950	1,200	730	770	1,240
12	1,140	5,520	2,640	2,140	2,700	4,370	2,840	1,820	1,200	730	610	1,300
13	1,140	8,480	2,420	2,080	2,840	3,620	2,700	1,640	1,140	690	540	905
14	1,100	13,900	2,360	2,080	5,200	3,260	2,640	2,220	1,140	690	505	770
15	1,100	19,000	2,280	3,540	5,200	3,060	2,500	2,640	1,100	690	505	650
16	1,040	24,200	2,280	4,600	3,920	2,920	2,360	2,080	1,040	690	575	575
17	1,040	29,900	2,360	5,540	3,260	2,780	2,280	1,820	1,100	690	575	575
18	995	29,900	3,840	2,980	2,920	3,060	2,220	2,500	1,200	1,200	730	540
19	995	27,800	5,440	2,700	2,780	5,280	2,140	4,520	1,140	950	540	1,140
20	995	24,000	4,900	2,420	2,560	6,880	2,020	6,480	1,100	905	540	2,360
21	995	18,900	3,700	2,420	2,500	5,600	2,020	4,820	995	730	610	1,640
22	1,140	11,500	3,120	4,740	2,360	4,070	1,950	2,920	995	690	1,410	995
23	1,240	5,600	3,120	6,240	2,360	3,540	1,880	2,220	1,040	690	815	815
24	1,200	4,520	2,920	4,520	2,360	3,260	1,880	2,220	995	1,040	650	815
25	1,100	4,000	2,700	3,540	2,280	3,480	1,820	1,880	995	1,360	575	730
26	1,040	4,740	2,700	3,120	2,220	4,000	1,760	1,700	950	905	540	1,300
27	995	5,920	3,200	2,920	2,140	3,400	1,760	1,640	905	1,300	505	1,640
28	995	4,820	4,140	3,200	2,080	2,980	1,700	1,520	860	815	470	1,140
29	995	4,000	4,970	3,700	-----	2,840	1,700	1,520	815	690	470	770
30	995	3,480	4,220	3,400	-----	2,780	1,790	1,460	815	730	440	690
31	995	-----	3,480	3,480	-----	2,640	-----	1,410	-----	730	440	-----

NOTE.—Tables of daily discharge, 1896-1901 and 1905-1923, are revised records based upon original data supplemented by recent discharge measurements defining rating curve at high stages, and supersede those previously published by the Geological Survey. Records for periods 1902-1904 and 1924-1923 have not previously been published.

Monthly discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928 and 1929-30

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1896					
January	7,670	1,220	2,400	1.45	1.72
February	12,000	1,720	4,230	2.65	2.84
March	5,350	1,520	2,460	1.55	1.76
April	8,150	1,340	2,520	1.57	1.75
August	1,400	410	664	.412	.48
September	4,950	295	567	.352	.39
1896-97					
October	3,430	392	626	.38 ^a	.45
November	9,080	462	1,820	1.17	1.26
December	5,670	830	1,500	.92 ²	1.07
January	6,150	830	1,990	1.24 ⁴	1.43
February	9,750	2,280	4,670	2.90	3.02
March	24,600	2,070	10,500	6.52	7.52
April	15,600	2,140	5,520	3.45	3.83
May	5,670	1,400	2,230	1.30	1.60
June	2,070	830	1,210	.75 ²	.84
July	7,350	830	1,920	1.10	1.37
August	1,930	600	976	.60 ^a	.70
September	880	340	483	.30 ^a	.33
The year	24,600	340	2,780	1.77	23.42

*Monthly discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928
and 1929-30—Continued*

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1897-98					
October.....	1,280	325	508	0.316	0.36
November.....	880	462	562	.349	.39
December.....	5,990	566	2,110	1.31	1.51
January.....	12,300	1,040	3,870	2.40	2.77
February.....	2,790	1,100	1,520	.944	.98
March.....	8,390	1,040	2,350	1.46	1.65
April.....	12,600	2,210	4,376	2.71	3.02
May.....	2,280	830	1,340	.832	.96
June.....	2,870	645	1,130	.702	.78
July.....	2,870	600	1,230	.764	.88
August.....	4,396	1,040	2,090	1.30	1.50
September.....	16,800	1,100	4,450	2.76	3.08
The year.....	16,800	325	2,130	1.32	17.91
1898-99					
October.....	19,400	1,040	4,830	3.00	3.46
November.....	4,870	1,520	2,420	1.50	1.67
December.....	3,910	1,650	2,290	1.42	1.64
January.....	6,150	2,000	3,060	1.90	2.19
February.....	25,400	3,750	9,730	6.04	6.29
March.....	30,400	3,510	11,000	6.83	7.87
April.....	9,830	2,950	5,050	3.14	3.50
1899-1900					
November.....	1,790	560	761	.473	.53
December.....	5,110	690	1,840	1.14	1.31
January.....	8,870	930	3,070	1.91	2.20
February.....	19,700	1,280	5,390	3.35	3.49
March.....	11,800	2,660	5,340	3.32	3.83
April.....	7,940	2,300	4,300	2.67	2.98
May.....	3,790	1,300	1,790	1.11	1.28
June.....	12,600	1,300	5,160	3.20	3.57
1900-1901					
November.....	9,220	905	2,080	1.29	1.44
December.....	6,660	1,360	2,960	1.84	2.12
January.....	25,400	1,740	6,300	3.91	4.51
February.....	10,500	1,950	4,350	2.70	2.81
March.....	24,000	1,740	5,700	3.54	4.06
April.....	16,300	2,890	6,260	3.89	4.34
1901-2					
November 13-30.....	1,680	1,010	1,230	.764	.51
December.....	25,900	1,010	6,090	3.78	4.36
January.....	23,200	2,090	4,470	2.78	3.20
February.....	15,800	2,660	5,310	3.30	3.44
March.....	22,900	2,890	7,560	4.70	5.42
April.....	8,340	2,090	3,390	2.11	2.35
1902-3					
November.....	5,140	455	964	.599	.67
December.....	6,980	955	2,530	1.57	1.81
January.....	5,860	1,480	2,420	1.50	1.73
February.....	16,600	1,740	7,970	4.95	5.16
March.....	26,800	3,490	9,380	5.83	6.72
April.....	19,800	2,440	5,360	3.32	3.70
May.....	3,190	1,300	2,000	1.24	1.43
June.....	6,740	1,360	3,230	2.01	2.24
July.....	6,260	1,120	1,990	1.24	1.43
August.....	4,740	710	1,680	1.04	1.20
September.....	710	455	584	.363	.40
1903-4					
October.....	1,120	455	583	.362	.42
November.....	1,740	455	756	.470	.52
December.....	1,420	385	638	.398	.46
January.....	6,420	535	1,370	.851	.98
February.....	6,980	1,010	2,170	1.35	1.46
March.....	8,180	1,480	3,550	2.20	2.54
April.....	6,020	805	1,840	1.14	1.27
May.....	3,190	620	1,070	.665	.77
June.....	3,190	535	1,020	.634	.71
July.....	1,360	455	712	.442	.51
August.....	2,160	455	1,100	.683	.79
September.....	710	212	371	.230	.26
The year.....	8,180	212	1,260	.783	10.69

Monthly discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928
and 1929-30—Continued

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1904-5					
October.....	275	231	260	0.161	0.19
November.....	420	231	331	.206	.23
December.....	6,660	385	1,640	1.02	1.18
January.....	15,100	905	2,790	1.73	1.99
February.....	17,500	1,120	7,000	4.35	4.53
March.....	5,700	1,740	2,720	1.69	1.96
April.....	5,700	1,480	2,090	1.30	1.45
May.....	9,060	1,610	3,430	2.13	2.46
June.....	3,190	1,010	1,540	.957	1.07
July.....	5,380	805	1,760	1.09	1.26
August.....	5,380	455	1,700	1.06	1.22
September.....	2,440	455	800	.497	.55
The year.....	17,500	231	2,140	1.33	18.08
1905-6					
October.....	2,590	575	899	.558	.64
November.....	1,120	620	732	.455	.51
December.....	13,000	805	5,090	3.16	3.64
January.....	12,600	2,300	5,260	3.27	3.77
February.....	3,640	1,610	2,140	1.33	1.38
March.....	17,400	1,610	6,290	3.91	4.51
April.....	7,590	2,210	3,370	2.09	2.33
May.....	4,230	1,400	2,200	1.37	1.58
June.....	12,800	1,610	3,610	2.24	2.50
July.....	11,500	1,240	4,080	2.53	2.92
August.....	5,220	2,020	3,120	1.94	2.24
September.....	7,140	1,610	3,120	1.94	2.16
The year.....	17,400	575	3,340	2.07	28.18
1906-7					
October.....	13,100	1,880	5,150	3.20	3.69
November.....	33,700	1,420	6,550	4.07	4.54
December.....	10,100	1,480	3,430	2.13	2.46
January.....	11,300	1,420	2,850	1.77	2.04
February.....	10,600	2,300	4,680	2.91	3.08
March.....	12,900	1,880	3,900	2.36	2.72
April.....	5,700	1,740	2,630	1.63	1.82
May.....	7,940	1,880	3,160	1.96	2.26
June.....	6,260	1,480	2,970	1.84	2.05
July.....	4,580	1,120	1,770	1.10	1.27
August.....	2,300	710	1,140	.708	.82
September.....	8,980	620	1,780	1.11	1.24
The year.....	33,700	620	3,310	2.06	27.94
1907-8					
October.....	2,960	710	1,130	.702	.81
November.....	10,800	805	2,660	1.65	1.84
December.....	9,540	1,240	3,070	1.91	2.20
January.....	9,380	1,950	3,710	2.30	2.65
February.....	14,900	2,740	6,000	3.73	4.02
March.....	14,700	2,300	4,210	2.61	3.01
April.....	8,180	2,090	3,780	2.35	2.62
May.....	5,860	2,020	2,670	1.66	1.91
June.....	2,740	805	1,480	.919	1.03
July.....	3,790	455	1,320	.820	.95
August.....	3,490	455	1,270	.789	.91
September.....	4,900	300	710	.441	.49
The year.....	14,900	300	2,650	1.65	22.44
1908-9					
October.....	2,740	385	.655	.407	.47
November.....	805	455	550	.342	.38
December.....	14,600	620	3,330	2.07	2.39
January.....	10,800	1,610	3,680	2.29	2.64
February.....	16,400	1,480	7,390	4.59	4.78
March.....	36,900	2,890	10,000	6.21	7.16
April.....	7,300	2,590	3,950	2.45	2.73
May.....	15,000	2,820	5,050	3.14	3.62
June.....	18,600	2,820	6,380	3.96	4.42
July.....	4,260	1,480	2,610	1.62	1.87
August.....	6,260	905	2,380	1.48	1.71
September.....	2,300	905	1,200	.745	.83
The year.....	36,900	385	3,920	2.43	33.00

*Monthly discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928
and 1929-30—Continued*

Month	Maximum	Minimum	Mean	For square mile	Run-off in inches
1909-10					
October.....	3,640	535	976	0.606	0.70
November.....	710	455	562	.349	.39
December.....	5,300	455	1,660	1.03	1.19
January.....	4,100	1,010	1,900	1.18	1.36
February.....	8,580	1,240	2,640	1.64	1.71
March.....	6,420	1,180	2,250	1.40	1.61
April.....	7,060	755	1,780	1.11	1.24
May.....	14,600	1,120	5,330	3.31	3.82
June.....	7,910	2,630	3,960	2.46	2.74
July.....	8,390	2,070	4,350	2.70	3.11
August.....	4,390	1,520	2,130	1.32	1.52
September.....	6,390	1,040	1,860	1.16	1.29
The year.....	14,600	455	2,450	1.52	20.68
1910-11					
October.....	2,790	730	1,150	.714	.82
November.....	1,280	830	920	.571	.64
December.....	9,110	930	1,970	1.22	1.41
January.....	15,000	1,280	3,830	2.38	2.74
February.....	8,550	1,930	3,730	2.32	2.42
March.....	3,750	1,520	2,290	1.42	1.64
April.....	16,400	1,520	5,370	3.34	3.73
May.....	4,740	1,360	1,930	1.20	1.38
June.....	1,880	1,010	1,230	.764	.85
July.....	2,160	535	1,290	.801	.92
August.....	1,880	495	814	.506	.58
September.....	620	355	462	.287	.32
The year.....	16,400	355	2,070	1.29	17.45
1911-12					
October.....	7,300	325	1,090	.677	.78
November.....	4,180	385	1,410	.876	.98
December.....	9,060	710	2,740	1.70	1.96
January.....	10,300	1,360	3,250	2.02	2.38
February.....	13,600	1,740	5,540	3.44	3.73
March.....	22,300	3,190	7,380	4.58	5.28
April.....	19,000	2,890	5,920	3.68	4.11
May.....	8,980	1,810	3,740	2.32	2.68
June.....	6,180	1,610	2,970	1.84	2.05
July.....	6,740	1,880	2,640	1.64	1.89
August.....	6,260	905	2,050	1.27	1.46
September.....	5,540	620	1,180	.733	.82
The year.....	22,300	325	3,320	2.06	28.05
1912-13					
October.....	3,790	620	1,080	.640	.74
November.....	1,420	620	873	.542	.60
December.....	4,340	535	1,730	1.07	1.23
January.....	9,620	2,440	4,440	2.76	3.18
February.....	15,600	2,440	5,060	3.16	3.29
March.....	24,000	2,820	9,340	5.80	6.69
April.....	4,980	2,160	2,830	1.76	1.96
May.....	7,700	1,540	2,520	1.57	1.81
June.....	6,020	1,480	2,460	1.53	1.71
July.....	3,940	755	1,370	.851	.98
August.....	1,880	495	834	.518	.60
September.....	3,940	420	687	.427	.48
The year.....	24,000	420	2,760	1.71	23.27
1913-14					
October.....	3,190	385	592	.368	.42
November.....	535	495	530	.329	.37
December.....	2,440	620	1,040	.646	.74
January.....	2,300	620	1,180	.733	.85
February.....	6,100	1,480	2,350	1.46	1.52
March.....	5,620	1,010	1,600	.994	1.16
April.....	10,000	1,610	3,420	2.12	2.36
May.....	2,440	620	1,260	.783	.90
June.....	1,010	535	705	.438	.49
July.....	6,020	535	1,320	.820	.95
August.....	3,190	535	994	.617	.71
September.....	805	420	516	.320	.36
The year.....	10,000	385	1,280	.795	10.82

Monthly discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928
and 1929-30—Continued

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1914-15					
October.....	6,660	385	980	0.60 ³	0.70
November.....	755	495	538	.33 ⁴	.37
December.....	14,700	755	4,770	2.96	3.41
January.....	7,940	2,590	4,520	2.81	3.24
February.....	16,400	2,520	5,570	3.46	3.60
March.....	5,780	2,160	2,920	1.81	2.09
April.....	2,440	1,420	1,800	1.12	1.25
May.....	8,740	1,120	2,200	1.37	1.58
June.....	2,890	805	1,550	.96 ³	1.07
July.....	3,640	575	1,650	1.02	1.18
August.....	2,740	535	1,180	.73 ³	.85
September.....	4,740	325	1,050	.65 ³	.73
The year.....	16,400	325	2,380	1.48	20.07
1915-16					
October.....	7,380	955	2,290	1.42	1.64
November.....	3,560	620	1,410	.87 ³	.98
December.....	18,700	1,120	4,690	2.91	3.36
January.....	14,400	2,440	4,550	2.83	3.26
February.....	13,900	2,090	4,720	2.93	3.05
March.....	7,220	1,950	3,230	2.01	2.32
April.....	2,090	1,420	1,740	1.08	1.20
May.....	5,300	855	1,540	.95 ⁷	1.10
June.....	5,380	1,120	1,900	1.18	1.32
July.....	27,200	1,120	8,530	5.30	6.11
August.....	3,560	1,120	2,030	1.26	1.45
September.....	2,090	855	941	.58 ⁴	.65
The year.....	27,200	620	3,130	1.94	26.44
1916-17					
October.....	1,740	575	940	.58 ⁴	.67
November.....	2,090	805	1,060	.65 ⁸	.73
December.....	9,060	1,060	2,230	1.39	1.60
January.....	9,860	2,020	5,080	3.16	3.64
February.....	17,900	2,370	6,500	4.04	4.21
March.....	33,700	4,660	14,400	8.94	10.31
April.....	9,380	2,370	4,560	2.83	3.16
May.....	3,860	1,060	2,080	1.28	1.49
June.....	6,340	1,680	2,190	1.36	1.52
July.....	3,190	1,360	1,980	1.23	1.42
August.....	7,140	575	1,870	1.16	1.34
September.....	4,980	575	1,390	.86 ³	.96
The year.....	33,700	575	3,680	2.20	31.05
1917-18					
October.....	3,120	535	970	.60 ²	.69
November.....	2,160	355	668	.41 ⁵	.46
December.....	2,090	355	625	.38 ⁹	.45
January.....	17,100	535	4,460	2.77	3.19
February.....	19,700	1,360	5,240	3.25	3.38
March.....	2,370	805	1,270	.78 ⁹	.91
April.....	11,100	805	3,570	2.22	2.48
May.....	6,100	805	2,220	1.38	1.59
June.....	3,190	575	1,480	.91 ⁹	1.08
July.....	3,190	385	1,120	.66 ⁶	.80
August.....	3,120	385	986	.61 ²	.71
September.....	2,370	385	806	.50 ¹	.56
The year.....	19,700	355	1,930	1.20	16.25
1918-19					
October.....	13,300	300	1,510	.93 ⁸	1.08
November.....	9,460	535	2,390	1.48	1.65
December.....	16,800	1,240	5,750	3.57	4.12
January.....	12,000	1,300	5,810	3.61	4.16
February.....	15,100	2,280	5,960	3.70	3.85
March.....	14,500	3,120	6,690	4.16	4.80
April.....	7,140	2,230	3,400	2.11	2.35
May.....	8,980	1,740	2,830	1.76	2.03
June.....	6,420	1,240	1,980	1.23	1.37
July.....	7,460	1,240	2,440	1.52	1.75
August.....	3,790	1,120	1,770	1.10	1.27
September.....	2,740	575	1,040	.64 ⁶	.72
The year.....	16,800	300	3,460	2.15	29.15

*Monthly discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928
and 1929-30—Continued*

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1919-20					
October.....	7,300	535	1,470	0.913	1.05
November.....	1,740	805	1,180	.733	.82
December.....	17,400	1,120	3,990	2.48	2.80
January.....	14,500	1,420	4,530	2.81	3.24
February.....	15,500	2,890	6,510	4.04	4.36
March.....	11,400	3,120	6,810	3.92	4.52
April.....	37,960	3,490	10,900	6.77	7.55
May.....	11,200	2,300	4,090	2.54	2.93
June.....	3,720	1,420	2,080	1.29	1.44
July.....	14,700	1,540	3,630	2.25	2.59
August.....	20,300	1,240	6,890	4.28	4.93
September.....	4,420	1,480	3,150	1.96	2.19
The year.....	37,900	535	4,550	2.83	38.48
1920-21					
October.....	2,230	1,120	1,380	.857	.99
November.....	3,790	1,120	1,710	1.06	1.18
December.....	20,800	1,880	6,980	4.34	5.00
January.....	10,000	2,520	4,590	2.85	3.29
February.....	41,400	2,960	10,900	6.77	7.05
March.....	4,180	2,370	2,910	1.81	2.09
April.....	11,500	1,950	4,100	2.55	2.84
May.....	3,490	1,540	2,220	1.38	1.59
June.....	3,260	1,060	1,420	.882	.98
July.....	5,780	955	1,830	1.14	1.31
August.....	6,020	1,060	1,840	1.14	1.31
September.....	3,120	710	986	.612	.68
The year.....	41,400	710	3,360	2.09	28.31
1921-22					
October.....	3,120	620	1,050	.652	.75
November.....	7,700	805	2,900	1.80	2.01
December.....	6,500	1,420	2,870	1.78	2.05
January.....	37,200	1,610	8,470	5.26	6.06
February.....	14,700	3,190	5,640	3.50	3.64
March.....	20,800	3,640	9,110	5.66	6.52
April.....	11,800	2,960	5,020	3.12	3.48
May.....	11,300	2,370	4,190	2.60	3.00
June.....	7,140	1,540	2,860	1.78	1.99
July.....	2,090	1,240	1,550	.963	1.11
August.....	1,740	755	1,010	.627	.72
September.....	2,160	575	766	.476	.53
The year.....	37,200	575	3,780	2.35	31.86
1922-23					
October.....	2,160	495	735	.457	.53
November.....	755	535	603	.375	.42
December.....	14,300	575	3,150	1.96	2.26
January.....	9,620	1,190	3,190	1.98	2.28
February.....	10,700	2,020	4,900	3.04	3.17
March.....	10,500	2,370	4,570	2.84	3.27
April.....	12,900	2,230	4,610	2.86	3.19
May.....	11,500	3,120	6,610	4.11	4.74
June.....	7,300	2,090	3,630	2.25	2.51
July.....	7,700	1,680	3,190	1.98	2.28
August.....	4,420	1,360	2,180	1.35	1.56
September.....	1,880	805	1,100	.683	.76
The year.....	14,300	495	3,200	1.99	26.97
1923-24					
October.....	755	620	698	.434	.50
November.....	1,880	665	870	.540	.60
December.....	7,540	1,180	2,880	1.79	2.06
January.....	10,700	2,660	5,400	3.35	3.86
February.....	14,200	1,810	3,790	2.35	2.53
March.....	17,400	2,230	4,990	3.10	3.57
April.....	22,500	2,020	4,390	3.97	4.43
May.....	10,700	1,810	3,800	2.36	2.72
June.....	5,700	1,540	2,560	1.59	1.77
July.....	8,980	1,060	3,040	1.89	2.18
August.....	2,440	665	1,030	.640	.74
September.....	1,240	620	821	.510	.57
The year.....	22,500	620	3,020	1.88	25.53

Monthly discharge, in second-feet, of Oostanaula River at Resaca, Ga., 1896-1928
and 1929-30—Continued

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1924-25					
October	1,300	455	607	0.37 ^m	0.43
November	755	495	552	1.34 ^r	.38
December	8,900	535	2,080	1.29	1.49
January	16,300	1,540	6,290	3.91	4.51
February	8,860	1,740	2,480	1.54	1.60
March	8,420	1,420	2,770	1.72	1.98
April	6,100	1,240	2,070	1.29	1.44
May	2,590	755	1,260	.783	.90
June	1,240	355	562	.349	.40
July	805	455	634	.39 ^r	.44
August	355	212	292	.16 ^r	.21
September	955	180	257		.18
The year	16,300	180	1,660	1.03	13.96
1925-26					
October	5,460	275	1,260	.783	.90
November	6,660	710	2,010	1.25	1.40
December	6,580	905	2,450	1.52	1.75
January	12,100	1,240	4,320	2.68	3.09
February	6,180	1,740	3,096	1.92	2.00
March	9,300	1,880	3,550	2.20	2.54
April	8,340	1,810	3,060	1.90	2.12
May	1,880	955	1,380	.85 ^m	.99
June	8,860	755	1,230	.76 ^r	.85
July	7,060	535	1,390	.863	.99
August	6,100	1,010	2,650	1.65	1.90
September	1,360	535	854	.530	.59
The year	12,100	275	2,270	1.41	19.12
1926-27					
October	2,590	495	725	.450 ^r	.52
November	5,540	575	1,750	1.09	1.22
December	21,900	1,120	6,050	3.76	4.34
January	13,000	1,410	2,410	1.50	1.73
February	10,900	1,640	4,330	2.69	2.80
March	12,800	2,140	5,010	3.11	3.58
April	15,000	2,660	5,700	3.54	3.95
May	3,860	1,420	2,040	1.27	1.46
June	5,380	1,360	2,230	1.39	1.55
July	8,900	1,010	2,580	1.60	1.84
August	4,580	805	1,510	.93 ^r	1.08
September	2,160	575	802	.49 ^r	.56
The year	21,900	495	2,920	1.81	24.63
1927-28					
October	2,590	475	712	.442	.51
November	5,060	515	1,270	.789	.88
December	14,200	805	4,330	2.69	3.10
January	10,200	1,610	2,940	1.83	2.11
February	4,100	1,740	2,670	1.66	1.79
March	14,900	1,610	4,170	2.59	2.99
April	15,500	3,040	6,010	3.73	4.16
May	7,460	2,160	3,500	2.17	2.50
June	6,280	2,020	3,980	2.47	2.76
July	10,000	2,160	3,940	2.45	2.82
August	4,740	1,540	2,260	1.40	1.61
September	14,700	1,240	4,020	2.50	2.79
The year	15,500	475	3,310	2.06	28.02
1929-30					
October	2,080	995	1,250	.776	.89
November	29,900	995	10,000	6.21	6.93
December	5,440	2,280	3,380	2.10	2.42
January	6,240	2,080	3,160	1.96	2.26
February	8,320	2,080	3,640	2.26	2.35
March	17,900	1,880	4,950	3.07	3.54
April	6,640	1,700	2,980	1.85	2.06
May	6,480	1,410	2,200	1.37	1.58
June	2,140	815	1,190	.739	.82
July	1,640	690	842	.523	.60
August	1,410	440	606	.376	.43
September	2,360	410	835	.519	.58
The year	29,900	410	2,910	1.81	24.46

NOTE.—Tables of monthly discharge, 1896-1901 and 1905-1923, are revised records based upon original data supplemented by recent discharge measurements defining rating curve at high stages, and supersede those previously published by the Geological Survey. Records for periods 1902-1904 and 1924-1928 have not previously been published.

COOSA RIVER NEAR ROME, GA.

LOCATION.—Water-stage recorder $7\frac{1}{2}$ miles below confluence of Oostanaula and Etowah Rivers and 8 miles below Rome, Floyd County.

DRAINAGE AREA.—4,040 square miles.

EXTREMES.—Maximum discharge during year, 44,200 second-feet Mar. 9 (gage height, 30.94 feet); minimum, 1,090 second-feet Sept. 3 (gage height, -0.30 foot).

RECORDS AVAILABLE.—June, 1928, to September, 1930. At Rome from January, 1897, to December, 1903.

1897-1903; 1928-1930: Maximum discharge, estimated, 64,000 second-feet Dec. 31, 1901 (gage height, 32.6 feet, old datum); minimum, 990 second-feet Oct. 5, 1897 (gage height, -0.15 feet).

REMARKS.—Records good. Discharge estimated Nov. 28, 29. Flow regulated by storage above Mayos Bar Dam.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	4,670	2,710	7,250	6,920	9,940	4,870	5,490	3,680	3,320	3,410	2,020	1,150
2-----	4,670	2,870	7,360	6,370	9,580	4,770	5,380	3,590	3,230	3,320	1,820	1,180
3-----	4,770	13,100	9,100	6,810	9,820	4,770	6,260	3,590	3,050	2,420	1,580	1,180
4-----	4,070	20,500	9,700	7,470	12,500	4,570	9,940	3,500	2,960	2,180	1,480	1,210
5-----	3,970	19,200	8,020	6,810	17,700	4,370	10,900	3,770	3,590	2,100	1,480	1,340
6-----	4,470	12,900	7,030	6,040	17,400	6,920	11,600	3,590	5,990	2,020	1,410	1,300
7-----	4,670	7,800	6,700	5,710	14,000	32,100	11,900	3,320	5,270	1,940	1,410	1,440
8-----	4,270	6,810	7,360	5,490	10,400	40,500	10,700	3,410	4,770	1,860	1,340	1,440
9-----	3,870	8,380	7,800	5,380	8,500	40,500	8,740	4,070	3,870	1,960	1,440	1,410
10-----	3,500	6,920	6,700	5,170	7,580	31,400	7,470	5,490	3,320	1,780	1,660	1,520
11-----	3,320	6,590	6,150	5,070	7,030	25,500	6,590	4,770	3,050	1,940	2,180	1,980
12-----	3,050	10,400	5,930	4,870	6,590	16,000	6,040	4,370	2,870	1,820	1,900	4,870
13-----	2,960	19,900	5,710	4,670	6,370	9,400	5,820	4,470	2,780	1,780	1,550	4,070
14-----	2,960	27,500	5,490	4,770	7,800	8,100	5,600	4,770	2,780	1,740	1,410	2,510
15-----	2,870	35,600	5,380	5,820	9,700	7,580	5,380	6,480	2,690	1,820	1,380	2,020
16-----	2,790	33,200	5,270	8,740	9,100	7,140	5,170	5,600	2,690	2,020	1,380	1,860
17-----	2,710	38,800	5,490	8,500	7,580	6,810	4,970	4,670	2,960	2,420	1,440	1,780
18-----	2,630	41,500	7,800	6,810	6,700	6,810	4,970	7,580	2,960	2,180	1,480	1,860
19-----	2,630	43,500	9,820	6,040	6,260	8,020	4,970	11,300	2,960	3,410	1,620	3,590
20-----	2,630	39,500	10,300	5,490	5,930	11,300	4,870	12,100	2,690	2,690	1,480	4,370
21-----	2,710	34,900	8,860	5,600	5,710	11,500	4,570	11,000	2,600	2,340	1,440	4,570
22-----	2,960	31,000	7,250	8,020	5,490	9,460	4,470	7,910	2,510	1,940	2,180	3,320
23-----	3,230	26,200	6,810	11,300	5,380	8,980	4,370	5,930	2,420	1,900	3,050	2,420
24-----	3,050	15,100	6,700	10,900	5,380	7,250	4,170	6,480	2,420	2,180	2,020	2,100
25-----	2,870	10,100	6,150	8,620	5,270	7,250	4,070	5,600	2,340	2,870	1,700	2,510
26-----	2,710	10,500	6,040	7,250	5,170	7,580	4,070	4,470	2,260	2,420	1,520	3,870
27-----	2,630	14,000	6,370	6,590	5,070	7,360	3,970	4,070	2,260	2,100	1,410	3,770
28-----	2,630	13,400	7,470	8,140	4,970	6,590	3,870	3,770	2,180	2,180	1,340	3,050
29-----	2,550	11,000	9,100	10,500	-----	6,150	3,870	3,680	2,020	2,020	1,340	2,340
30-----	2,550	8,260	9,220	11,000	-----	5,930	3,770	3,500	1,940	1,820	1,210	1,900
31-----	2,710	-----	7,910	10,700	-----	5,710	-----	3,410	-----	1,820	1,180	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	4,870	2,550	3,300	0.817	0.94
November-----	43,500	2,710	19,200	4.75	5.30
December-----	10,300	5,270	7,300	1.81	2.09
January-----	11,300	4,670	7,150	1.77	2.04
February-----	17,700	4,970	8,320	2.06	2.14
March-----	40,500	4,370	11,800	2.92	3.37
April-----	11,900	3,770	6,130	1.52	1.70
May-----	12,100	3,320	5,290	1.31	1.51
June-----	5,930	1,940	3,020	.748	.83
July-----	3,410	1,740	2,200	.645	.63
August-----	3,050	1,180	1,610	.399	.46
September-----	4,870	1,150	2,400	.594	.66
The year-----	43,500	1,150	6,450	1.60	21.67

MOBILE RIVER BASIN

207

COOSA RIVER AT GADSDEN, ALA.

LOCATION.—Water-stage recorder at highway bridge in Gadsden, Etowah County, 700 feet below Louisville & Nashville Railroad. Zero of gage 485.16 feet above mean sea level.

DRAINAGE AREA.—5,800 square miles.

RECORDS AVAILABLE.—October, 1926, to September, 1930.

EXTREMES.—Maximum discharge during year, 58,100 second-feet Nov. 17 (gage height, 25.76 feet); minimum, 1,590 second-feet Sept. 6 (gage height, 0.69 foot).

1926-1930: Maximum discharge, that of Nov. 17, 1929; minimum, 1,540 second-feet Nov. 2, 1927 (gage height, 0.65 foot).

REMARKS.—Records good. No appreciable regulation at station.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	7,460	3,400	12,500	12,300	15,500	6,660	7,940	4,880	4,740	2,790	2,550	1,746
2.....	5,900	4,050	11,400	10,900	14,800	6,500	7,620	4,740	4,460	3,150	2,500	1,690
3.....	5,450	11,100	12,000	10,900	14,300	6,500	8,900	4,600	4,320	4,180	2,610	1,640
4.....	5,600	19,700	12,700	11,100	16,700	6,350	11,300	4,600	4,180	3,660	2,380	1,690
5.....	5,300	24,200	12,500	10,800	21,700	6,200	13,000	4,460	4,050	3,030	2,160	1,690
6.....	4,880	23,600	12,000	10,300	24,700	8,740	14,100	4,600	4,460	2,730	2,000	1,590
7.....	5,450	19,500	10,600	9,410	24,000	28,300	14,800	4,740	7,460	2,670	1,940	1,690
8.....	5,900	13,600	9,920	8,580	20,900	42,600	14,800	4,600	8,260	2,550	1,890	1,890
9.....	5,600	10,300	10,100	8,260	16,500	47,500	13,700	5,160	8,100	2,500	2,000	2,000
10.....	5,020	10,400	10,400	7,940	13,000	46,500	11,600	6,350	6,980	2,500	1,940	2,060
11.....	4,600	10,300	9,750	7,620	11,300	45,500	9,920	6,980	6,050	2,440	2,060	3,270
12.....	4,180	10,800	8,900	7,300	10,300	44,500	8,740	6,500	4,180	2,380	2,280	4,740
13.....	3,920	17,800	8,420	6,980	9,580	41,400	8,260	5,600	3,920	2,500	2,610	5,600
14.....	3,790	34,200	7,940	6,820	9,410	31,400	7,780	5,600	3,790	2,440	2,330	5,900
15.....	3,790	51,000	8,780	6,980	10,800	16,800	7,460	6,050	3,660	2,330	2,160	4,050
16.....	3,660	55,400	7,460	8,740	12,700	11,600	7,140	6,980	3,660	2,440	2,110	3,270
17.....	3,530	57,300	7,620	10,800	12,700	10,600	6,820	7,620	4,180	2,550	2,160	2,910
18.....	3,530	57,300	8,900	11,600	11,100	10,100	6,660	10,800	6,200	2,850	2,110	2,550
19.....	3,530	57,700	12,100	10,100	9,750	11,100	6,350	15,900	6,300	2,970	2,000	2,970
20.....	3,400	57,000	13,700	8,740	8,900	13,600	6,350	21,500	4,050	3,400	2,000	7,140
21.....	3,660	55,000	13,900	8,580	8,260	14,800	6,350	20,900	3,790	3,790	2,220	7,460
22.....	3,920	52,800	12,800	11,300	7,940	15,000	6,050	16,300	3,530	3,150	2,110	6,350
23.....	4,050	51,000	11,400	13,700	7,620	13,400	5,750	12,800	3,400	2,850	2,220	5,160
24.....	4,320	48,100	10,400	15,200	7,450	11,400	5,600	10,600	3,270	2,790	3,030	3,920
25.....	4,180	44,500	9,920	14,800	7,300	10,900	5,450	9,410	3,270	3,400	3,150	3,150
26.....	3,920	35,500	9,580	12,700	7,140	11,300	5,300	8,420	3,270	3,530	2,500	3,400
27.....	3,790	23,400	9,580	10,900	6,980	10,900	5,160	6,980	3,150	3,660	2,160	5,900
28.....	3,530	19,900	10,600	11,600	6,820	10,400	5,020	6,050	3,030	2,970	2,060	5,900
29.....	3,530	18,000	12,800	14,300	-----	9,750	5,020	5,450	2,970	2,790	1,890	4,740
30.....	3,400	15,000	13,900	15,400	-----	8,900	4,880	5,160	2,850	3,030	1,840	3,790
31.....	3,400	-----	13,600	15,700	-----	8,580	-----	4,880	-----	3,030	1,790	-----
Month	Maximum		Minimum		Mean		Per square mile		Run-off in inches			
October.....	7,460		3,400		4,390		0.757		0.87			
November.....	57,700		3,400		30,400		5.24		5.85			
December.....	13,900		7,460		10,800		1.86		2.14			
January.....	15,700		6,820		10,700		1.84		2.12			
February.....	24,700		6,820		12,400		2.14		2.23			
March.....	47,500		6,200		18,300		3.16		3.64			
April.....	14,800		4,880		8,260		1.42		1.68			
May.....	21,500		4,460		8,040		1.39		1.60			
June.....	8,260		2,850		4,480		.772		.86			
July.....	4,180		2,330		2,940		.507		.58			
August.....	3,150		1,790		2,220		.383		.44			
September.....	7,460		1,590		3,660		.631		.70			
The year.....	57,700		1,590		9,670		1.67		22.61			

COOSA RIVER AT CHILDERSBURG, ALA.

LOCATION.—Water-stage recorder in T. 20 S., R. 3 E. Huntsville meridian, at Central of Georgia Railway bridge 1 mile northwest of Childersburg. Zero of gage 421.00 feet above mean sea level.

DRAINAGE AREA.—8,390 square miles.

RECORDS AVAILABLE.—February, 1914, to September, 1930.

EXTREMES.—Maximum discharge during year, 101,000 second-feet Nov. 18 (gage height, 22.81 feet); minimum, 2,440 second-feet Sept. 8 (gage height, 1.38 feet).

1914-1930: Maximum discharge, 121,000 second-feet July 11, 1916; maximum gage height, 24.84 feet Mar. 16; 1929; minimum discharge, 1,300 second-feet in September, 1925.

REMARKS.—Records good. Records collected by Alabama Power Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	12,600	4,640	19,700	18,100	25,800	9,580	11,400	6,640	6,770	4,040	4,160	2,700
2-----	8,800	5,480	17,300	16,100	25,400	9,260	10,900	6,510	6,510	3,920	3,920	2,700
3-----	7,320	12,600	16,900	15,800	24,200	8,950	14,100	6,380	6,250	3,920	3,470	2,590
4-----	6,770	27,800	16,500	15,800	25,800	8,800	19,300	6,250	6,120	4,880	3,470	2,480
5-----	6,900	31,800	16,900	15,000	34,100	8,500	19,300	6,120	5,990	5,000	3,470	3,250
6-----	6,770	31,800	16,900	14,300	35,900	8,500	19,300	5,990	6,510	4,400	3,250	2,810
7-----	6,250	30,000	15,800	13,500	35,900	67,300	19,300	5,990	6,900	3,920	3,140	2,590
8-----	6,640	26,200	15,800	12,400	32,800	87,400	19,300	6,250	9,580	3,690	3,030	2,480
9-----	6,900	17,700	14,300	11,600	27,400	76,000	18,900	6,250	10,600	3,580	3,030	2,480
10-----	6,770	13,700	13,900	11,100	21,600	65,100	16,900	6,640	8,350	3,470	3,250	2,590
11-----	6,120	17,500	13,900	10,800	17,700	59,900	14,600	7,750	7,180	3,470	3,030	3,140
12-----	5,730	39,000	12,900	10,200	15,800	57,200	12,600	8,350	6,360	3,470	2,920	3,580
13-----	5,360	44,200	11,800	9,740	14,600	54,600	11,400	8,050	5,860	3,470	2,920	5,480
14-----	5,000	56,200	11,100	9,580	13,900	50,600	10,900	8,350	5,480	3,690	3,250	6,510
15-----	4,880	88,400	10,800	10,200	13,500	38,200	10,400	8,200	5,240	4,880	3,920	7,180
16-----	4,760	98,600	10,400	11,100	15,000	22,000	9,900	8,050	5,120	3,800	3,470	5,990
17-----	4,640	99,000	10,600	11,900	16,500	16,100	9,420	9,420	5,120	3,470	3,360	4,760
18-----	4,520	97,300	13,000	13,900	16,100	15,000	9,100	16,500	5,360	3,470	3,470	4,280
19-----	4,400	85,900	16,100	14,300	14,300	17,300	8,800	23,800	7,320	3,690	3,920	4,280
20-----	4,400	76,000	18,100	12,400	12,800	19,300	8,500	31,400	7,040	4,040	3,580	5,000
21-----	5,240	69,200	18,500	11,400	11,800	19,300	8,650	31,400	5,730	4,040	3,470	8,950
22-----	5,900	65,400	18,500	16,500	11,100	20,000	8,350	26,600	5,240	4,640	3,250	9,260
23-----	6,900	63,600	17,700	20,800	10,800	20,000	7,900	20,400	5,000	4,520	3,360	7,900
24-----	6,250	61,000	15,800	21,200	10,600	17,700	7,600	17,700	4,760	5,730	3,250	6,640
25-----	5,730	57,500	14,300	21,200	10,200	16,500	7,320	14,600	4,520	5,000	3,250	5,480
26-----	5,480	56,900	14,100	19,700	10,100	16,100	7,180	12,300	4,520	5,120	4,040	4,640
27-----	5,120	48,400	14,100	16,900	9,900	15,400	7,040	10,900	4,400	4,880	3,800	4,880
28-----	5,000	33,000	15,000	21,600	9,580	14,600	6,900	9,260	4,280	4,880	3,360	7,040
29-----	4,640	27,300	17,300	28,300	-----	13,900	6,770	8,200	4,160	4,400	3,140	7,320
30-----	4,640	23,800	18,900	28,700	-----	12,600	6,640	7,600	4,040	4,160	2,920	6,250
31-----	4,640	-----	18,900	27,000	-----	11,900	-----	7,040	-----	4,040	2,810	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	12,600	4,400	5,970	0.712	0.82
November-----	99,000	4,640	47,000	5.60	6.25
December-----	19,700	10,400	15,300	1.82	2.10
January-----	28,700	9,580	15,800	1.88	2.17
February-----	35,900	9,580	18,700	2.23	2.32
March-----	87,400	8,500	28,300	3.37	3.88
April-----	19,300	6,640	11,600	1.38	1.54
May-----	31,400	5,990	11,600	1.38	1.59
June-----	10,600	4,040	6,010	.716	.80
July-----	5,730	3,470	4,180	.498	.57
August-----	4,160	2,810	3,380	.403	.46
September-----	9,260	2,480	4,840	.577	.64
The year-----	99,000	2,480	14,300	1.70	23.14

COOSA RIVER AT LOCK 18, NEAR WETUMPKA, ALA.

LOCATION.—Water-stage recorder in sec. 22, T. 19 N., R. 18 E. St. Stephens meridian, half a mile downstream from Lock 18 dam site and 7 miles above junction with Tallapoosa River at Wetumpka. Zero of gage 172.65 feet above mean sea level.

DRAINAGE AREA.—10,200 square miles.

RECORDS AVAILABLE.—July, 1912, to September, 1914; December, 1925, to September, 1930.

EXTREMES.—Maximum discharge during year, 134,000 second-feet Nov. 18 (gage height, 30.7 feet); minimum, 70 second-feet Aug. 9 (gage height, 1.95 feet). 1912-1914, 1925-1930: Maximum discharge, 207,000 second-feet Mar. 15, 1929 (gage height, 38.6 feet); minimum, that of Aug. 9, 1930.

REMARKS.—Records good. Flow almost completely regulated during low and medium stages by hydroelectric plants at Lock 12 and Mitchell Dam. Records collected by Alabama Power Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	18,500	6,090	26,300	21,300	32,600	10,700	13,600	4,260	7,200	3,760	4,240	5,960
2.....	12,800	6,530	14,600	21,500	26,200	13,200	16,800	5,260	8,620	6,240	6,260	2,630
3.....	8,570	6,670	19,100	21,400	28,600	16,400	15,500	8,130	6,860	7,360	6,260	3,210
4.....	9,070	28,200	18,600	16,900	31,000	9,020	31,500	6,820	6,390	6,300	5,240	2,480
5.....	8,750	32,200	19,100	14,400	35,300	9,200	19,700	6,090	6,080	6,040	2,810	1,710
6.....	5,540	32,500	18,900	18,900	41,300	10,000	18,300	6,100	10,200	2,980	3,970	804
7.....	8,640	33,100	17,900	15,200	42,400	70,800	21,800	6,110	7,830	4,130	2,880	6,240
8.....	9,060	32,300	15,700	14,800	40,000	95,500	21,000	6,140	6,030	4,390	129	6,140
9.....	9,730	24,000	20,900	15,700	32,800	90,000	21,100	7,630	6,690	2,320	3,870	1,140
10.....	9,310	16,100	16,900	9,460	28,600	71,500	20,600	7,500	6,940	2,260	6,000	2,740
11.....	7,870	27,700	16,700	9,410	20,400	62,000	17,400	6,160	8,390	2,580	5,270	4,350
12.....	7,910	98,300	16,800	11,100	14,700	57,700	14,200	8,590	9,640	3,720	3,970	6,940
13.....	5,560	86,000	15,700	14,400	13,600	56,400	9,610	10,700	10,700	2,960	2,100	7,290
14.....	4,030	77,300	11,800	12,500	16,400	50,800	11,200	12,000	6,180	3,820	2,020	5,680
15.....	5,580	121,000	10,200	9,970	16,500	41,900	11,800	10,200	6,050	1,550	5,340	6,050
16.....	5,430	113,000	9,840	10,700	17,800	26,300	13,000	10,000	6,120	3,560	6,450	3,330
17.....	5,470	125,000	10,600	12,400	16,800	16,900	12,400	8,190	6,180	3,560	5,620	4,770
18.....	5,820	120,000	11,900	13,300	12,900	13,400	12,200	12,700	5,490	4,860	5,990	7,570
19.....	6,350	97,600	21,500	18,000	17,400	18,500	11,400	23,500	3,450	6,040	4,080	7,710
20.....	6,230	83,500	23,600	16,500	17,400	24,200	8,160	37,000	4,610	6,150	2,500	11,700
21.....	10,100	71,500	19,100	14,900	16,900	23,500	9,000	30,900	6,250	4,920	2,630	4,810
22.....	8,250	69,500	17,800	17,100	14,900	20,000	9,070	31,800	6,200	1,710	2,720	8,990
23.....	6,390	62,000	22,100	18,600	8,970	18,000	9,630	24,300	6,090	2,460	2,890	8,560
24.....	6,230	67,000	23,100	23,000	9,670	21,700	10,500	18,900	6,050	5,690	6,620	8,310
25.....	6,260	65,800	19,000	22,300	9,560	18,900	9,730	16,500	5,720	8,920	5,910	8,320
26.....	4,010	57,000	16,200	24,800	10,700	17,200	8,730	14,500	3,320	6,260	3,510	9,040
27.....	100	61,000	17,700	24,300	11,900	17,300	8,060	12,300	3,150	6,160	2,670	8,220
28.....	4,940	45,200	16,800	23,300	11,300	18,000	9,780	12,900	3,490	5,630	2,150	6,080
29.....	6,210	21,200	16,300	46,700	-----	18,700	7,820	11,700	2,930	1,420	372	7,420
30.....	6,170	25,100	19,900	50,200	-----	14,300	7,010	10,300	3,050	1,000	1,050	7,190
31.....	6,330	-----	20,500	38,400	-----	10,500	-----	8,540	-----	2,400	5,600	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	18,500	100	7,260	0.712	0.82
November.....	125,000	6,090	57,100	5.60	6.25
December.....	26,300	9,840	17,600	1.73	1.99
January.....	50,200	9,410	19,400	1.90	2.19
February.....	42,400	8,970	21,300	2.09	2.18
March.....	95,500	9,020	31,000	3.04	3.50
April.....	31,500	7,010	13,700	1.34	1.50
May.....	37,000	4,260	12,800	1.25	1.44
June.....	10,700	2,930	6,200	.608	.68
July.....	8,920	1,070	4,230	.415	.48
August.....	6,620	129	3,910	.383	.44
September.....	11,700	804	5,850	.574	.64
The year.....	125,000	100	16,600	1.63	22.11

ALABAMA RIVER NEAR MONTGOMERY, ALA.

LOCATION.—Water-stage recorder in T. 17 N., R. 17 E. St. Stephens meridian, at highway bridge 4 miles above Autauga Creek and 6 miles northwest of Montgomery.

DRAINAGE AREA.—15,100 square miles.

RECORDS AVAILABLE.—October, 1927, to September, 1930. At Montgomery from January, 1899, to December, 1903.

EXTREMES.—Maximum discharge during year, 132,000 second-feet Nov. 19 (gage height, 50.1 feet); minimum, 5,420 second-feet Oct. 14 (gage height, 0.7 foot).

1899–1903, 1927–1930: Maximum discharge, 209,000 second-feet Mar. 17, 1929 (gage height, 59.6 feet); minimum, 5,360 second-feet Oct. 30, 1927 (gage height, 0.65 foot).

REMARKS.—Records good. Flow regulated by hydroelectric plants on Tallapoosa and Coosa Rivers. Records collected by Alabama Power Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22,700	8,390	36,900	22,200	71,400	18,000	16,600	12,300	9,980	8,050	10,800	8,800
2	20,000	8,390	31,000	22,700	62,200	26,800	23,900	10,200	9,190	8,990	13,000	8,800
3	19,000	8,800	29,300	22,000	49,900	34,500	24,600	12,300	9,380	11,700	9,780	9,780
4	22,200	13,900	33,900	22,400	45,700	36,900	42,000	11,200	8,050	12,500	7,870	10,600
5	20,200	28,800	34,700	24,900	48,000	30,100	51,100	9,190	7,690	9,980	7,690	10,400
6	15,700	32,300	33,700	23,400	54,000	23,400	40,600	8,410	9,750	8,410	10,800	9,580
7	12,000	34,700	31,200	24,400	57,800	33,500	32,600	8,600	13,200	8,230	12,300	8,600
8	12,000	39,800	28,300	23,700	57,300	74,400	33,100	10,200	9,780	9,780	9,980	10,200
9	11,800	36,700	28,000	24,900	53,300	89,800	32,600	10,200	8,230	11,200	8,230	8,990
10	11,600	25,700	29,300	22,700	47,100	94,300	31,500	11,000	7,870	11,000	12,300	9,190
11	10,700	19,500	28,500	18,000	40,600	92,800	30,400	9,380	11,900	10,400	10,600	11,900
12	9,870	49,900	27,200	17,800	32,000	89,300	27,700	8,800	13,700	10,600	9,980	14,900
13	9,430	81,500	26,200	17,500	27,200	85,100	19,200	11,400	15,600	9,190	12,100	15,400
14	6,540	88,300	24,600	18,700	27,500	80,700	14,600	13,500	12,100	8,800	10,600	11,200
15	9,650	98,400	20,200	18,300	29,600	74,900	16,600	13,500	8,230	10,600	10,600	9,380
16	9,430	110,000	17,300	17,500	32,300	63,700	18,700	12,300	7,690	10,200	14,400	11,000
17	8,190	119,000	17,500	19,700	30,100	45,200	19,700	11,400	7,350	11,400	11,700	12,100
18	8,190	129,000	18,300	20,700	29,800	33,400	19,500	10,800	7,190	11,700	10,200	13,200
19	10,700	132,000	25,000	23,400	30,700	34,200	19,000	19,200	7,690	9,230	9,780	15,600
20	9,650	130,000	33,900	23,200	31,000	41,500	16,600	31,000	8,230	9,190	12,300	14,600
21	8,590	124,000	34,700	20,500	29,000	47,400	12,500	38,900	9,980	8,410	11,000	15,100
22	12,800	119,000	31,000	24,600	27,500	39,800	13,000	39,800	9,780	7,870	10,600	9,580
23	10,700	113,000	28,800	28,000	20,000	31,200	14,200	37,700	8,600	9,580	10,600	12,500
24	9,650	106,000	32,800	31,000	13,700	28,300	15,100	32,300	8,410	11,700	11,700	13,000
25	9,220	100,000	32,300	32,300	14,200	28,300	14,600	28,000	8,600	14,000	9,380	13,200
26	8,590	91,800	28,000	31,700	14,900	28,500	14,200	26,200	9,580	11,200	8,990	14,400
27	6,540	83,400	26,700	31,000	17,000	27,500	12,100	21,000	9,190	8,050	11,000	14,000
28	8,590	75,900	27,200	29,600	18,000	27,500	11,200	16,100	8,600	7,690	10,800	11,900
29	12,200	59,000	25,700	43,600	-----	29,300	11,900	14,600	8,230	8,230	10,200	9,780
30	9,220	38,700	24,900	66,700	-----	24,900	14,000	13,000	7,870	9,380	8,230	12,800
31	7,790	-----	23,400	74,900	-----	18,000	-----	11,700	-----	9,780	8,600	-----
Month	Maximum		Minimum		Mean		Per square mile		Run-off in inches			
October	22,700		6,540		11,700		0.775		8.89			
November	132,000		8,390		70,200		4.65		5.19			
December	36,900		17,300		28,100		1.86		2.14			
January	74,900		17,500		27,200		1.80		2.08			
February	71,400		13,700		36,100		2.39		2.49			
March	94,300		18,000		46,200		3.06		3.53			
April	51,100		11,200		22,100		1.46		1.63			
May	39,800		8,410		16,900		1.12		1.29			
June	15,600		7,190		9,390		.622		.69			
July	14,000		7,690		10,000		.662		.76			
August	14,400		7,690		10,500		.695		.80			
September	15,600		8,600		11,700		.775		.86			
The year	132,000		6,540		24,900		1.65		22.35			

ALABAMA RIVER AT SELMA, ALA.

LOCATION.—Water-stage recorder in T. 17 N., R. 10 E. St. Stephens meridian, in Selma, half a mile below Louisville & Nashville Railroad bridge.

DRAINAGE AREA.—17,100 square miles.

RECORDS AVAILABLE.—January, 1899, to December, 1913; June, 1923, to September, 1930.

EXTREMES.—Maximum discharge during year, 161,000 second-feet Nov. 20 (gage height, 50.42 feet); minimum, 7,020 second-feet Aug. 6 (gage height, 2.15 feet).

1899–1913, 1928–1930: Maximum discharge, 204,000 second-feet Mar. 19, 1929 (gage height, 55.52 feet); minimum, 2,660 second-feet Nov. 1, 1904 (gage height, —2.20 feet).

Maximum stage known, 57.0 feet Apr. 8, 1886 (discharge, 221,000 second-feet).

REMARKS.—Records good. Flow regulated by power plants on Coosa and Tallapoosa Rivers.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20,000	8,840	48,000	31,800	75,800	21,000	20,500	14,300	11,900	7,820	9,560	8,300
2	24,800	8,300	41,800	32,500	71,500	29,000	21,200	12,800	10,300	8,140	10,500	8,480
3	23,000	8,140	36,500	33,200	63,000	40,200	31,800	11,300	9,560	9,200	12,100	8,300
4	22,200	11,500	36,500	34,000	55,200	46,000	37,500	12,500	9,560	11,300	11,900	9,380
5	24,000	20,000	38,500	32,200	53,500	43,000	50,500	11,700	8,480	11,900	7,660	10,100
6	22,500	31,500	39,000	28,500	54,500	34,800	54,000	9,920	8,140	9,920	7,340	10,100
7	19,500	36,000	37,200	27,000	57,200	32,000	45,500	9,020	10,300	8,300	9,920	9,200
8	15,400	39,500	36,500	27,000	59,000	51,500	38,200	9,200	13,900	7,980	11,300	8,480
9	15,200	42,200	33,000	26,000	57,500	71,800	36,500	10,300	10,500	9,380	9,740	9,380
10	14,500	38,000	32,500	26,800	53,500	82,400	35,200	10,500	8,660	10,500	8,300	8,840
11	13,000	29,000	32,800	24,000	48,500	88,100	34,200	11,100	8,480	10,700	14,700	9,560
12	10,900	30,200	31,800	20,000	42,500	88,700	32,800	9,920	11,500	10,300	11,100	14,700
13	10,300	50,000	30,500	19,500	35,200	85,700	29,200	9,380	13,900	10,300	9,920	17,800
14	10,100	77,500	29,200	19,500	31,000	80,500	21,000	11,700	15,600	9,200	11,300	17,300
15	10,100	93,500	26,800	21,200	31,500	76,200	16,800	13,900	12,500	8,660	10,900	12,500
16	9,920	111,000	22,500	21,200	35,800	70,800	18,500	13,900	8,840	10,100	11,900	10,500
17	9,560	134,000	19,800	20,800	38,200	61,000	20,500	12,800	7,820	10,100	14,300	11,500
18	8,480	150,000	20,200	22,200	37,000	47,500	21,200	12,800	7,500	11,300	13,400	12,500
19	7,980	157,000	23,800	23,200	35,800	39,800	21,200	14,300	7,340	11,500	12,100	14,100
20	10,300	161,000	32,000	25,800	35,500	42,000	20,500	23,500	7,660	12,300	11,900	19,000
21	11,100	159,000	38,200	24,800	34,000	48,500	17,300	36,000	8,300	9,740	13,400	20,800
22	10,500	154,000	35,000	25,200	32,000	50,000	14,100	41,000	9,740	8,140	12,500	17,600
23	13,400	143,000	36,000	30,500	29,500	43,800	14,300	41,800	9,740	7,820	11,100	12,100
24	11,900	130,000	35,800	33,500	22,000	36,000	15,200	38,800	8,840	9,020	10,500	12,500
25	10,100	116,000	35,000	35,200	16,400	33,000	15,600	34,500	8,480	11,100	11,100	13,400
26	9,380	105,000	36,500	35,500	16,100	32,200	15,600	30,000	8,660	13,400	9,740	14,100
27	8,480	95,000	32,500	34,500	17,300	31,200	14,700	27,500	9,380	11,300	9,020	17,100
28	8,840	86,300	31,000	33,500	19,500	31,000	13,000	22,500	9,020	8,300	10,500	15,600
29	8,660	77,500	31,200	40,800	-----	31,800	12,300	17,600	8,660	7,660	10,500	13,000
30	12,300	63,000	30,200	60,000	-----	32,000	13,000	15,200	8,140	8,480	9,740	10,500
31	10,300	-----	30,500	72,500	-----	26,800	-----	13,600	-----	9,380	8,300	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	24,800	7,980	13,400	0.784	0.90
November	161,000	8,140	78,900	4.61	5.14
December	48,000	19,800	33,100	1.94	2.24
January	72,500	19,500	30,400	1.78	2.05
February	75,800	16,100	41,400	2.42	2.52
March	88,700	21,000	49,300	2.88	3.32
April	54,000	12,300	25,100	1.47	1.64
May	41,800	9,020	18,200	1.06	1.22
June	15,600	7,340	9,680	.566	.63
July	13,400	7,660	9,780	.572	.66
August	14,700	7,340	10,800	.632	.73
September	20,800	8,300	12,600	.737	.82
The year	161,000	7,340	27,600	1.61	21.87

ALABAMA RIVER NEAR COY, ALA.

LOCATION.—Water-stage recorder in T. 11 N., R. 6 E. St. Stephens meridian, at St. Louis-San Francisco Railway bridge 3 miles north of Coy.

DRAINAGE AREA.—21,200 square miles.

RECORDS AVAILABLE.—July, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 165,000 second-feet Nov. 24 (gauge height, 48.45 feet); minimum, 9,040 second-feet Oct. 17 (gauge height, 4.23 feet).

1928-1930: Maximum discharge, 269,000 second-feet Mar. 23, 1929 (gauge height, 55.83 feet); minimum, 8,400 second-feet Sept. 5, 1929 (gauge height, 3.81 feet).

REMARKS.—Records good. Flow regulated by power plants above station.

Daily and monthly discharge, in second-feet, 1928-1930

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1928				1928			
1.....		19,400	11,800	16.....	36,400	13,300	20,200
2.....		21,300	12,200	17.....	34,600	14,400	16,400
3.....	41,100	23,100	12,600	18.....	33,300	14,000	13,800
4.....	35,100	23,100	13,100	19.....	35,400	13,300	12,000
5.....	30,900	21,500	14,800	20.....	36,900	12,400	11,100
6.....	26,800	21,100	16,800	21.....	35,600	13,100	11,800
7.....	23,100	20,000	17,600	22.....	30,400	14,000	12,600
8.....	24,600	17,000	19,800	23.....	25,100	17,200	12,900
9.....	32,800	15,000	23,500	24.....	22,000	20,400	13,500
10.....	40,300	15,800	24,800	25.....	19,800	20,700	12,600
11.....	43,200	17,200	27,300	26.....	19,800	18,800	10,200
12.....	42,100	17,600	31,600	27.....	21,100	16,200	10,600
13.....	41,300	17,600	33,600	28.....	23,500	14,000	12,700
14.....	40,000	16,400	30,900	29.....	26,800	12,600	14,600
15.....	38,200	13,600	25,700	30.....	24,400	11,500	15,600
				31.....	21,500	11,700	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1928-29												
1.....	15,200	11,100	15,800	15,000	38,200	114,000	173,000	63,700	37,200	29,000	14,400	11,800
2.....	13,600	12,400	15,200	13,600	35,900	123,000	155,000	65,800	34,300	28,300	16,400	10,200
3.....	11,800	13,500	15,400	14,400	32,600	129,000	137,000	70,300	31,600	28,000	15,600	9,210
4.....	11,500	14,000	15,600	15,400	29,000	138,000	118,000	76,000	29,200	26,600	16,200	8,700
5.....	13,300	14,000	14,000	15,600	24,000	154,000	90,300	81,300	29,200	22,900	15,600	8,400
6.....	14,200	12,700	15,600	15,800	20,200	164,000	79,000	84,900	30,000	20,200	14,400	9,040
7.....	15,000	10,600	17,600	15,200	20,200	173,000	62,300	85,600	29,000	18,600	12,700	11,800
8.....	15,200	11,700	18,800	13,800	22,400	178,000	50,200	85,300	26,800	17,400	13,100	13,800
9.....	14,000	14,400	19,400	12,400	24,400	178,000	42,400	87,000	26,400	16,800	15,400	14,200
10.....	12,200	15,200	18,600	12,000	27,800	178,000	37,400	91,000	25,700	16,000	17,400	13,800
11.....	12,900	15,000	15,800	14,800	26,600	174,000	34,800	94,300	23,300	17,000	17,600	12,000
12.....	14,000	14,000	12,900	19,400	24,600	167,000	31,600	95,800	20,200	17,600	17,800	11,700
13.....	14,400	11,800	13,100	24,000	28,000	163,000	29,200	94,700	19,800	17,200	16,400	12,200
14.....	14,600	10,400	14,800	25,300	29,700	176,000	28,300	89,200	21,100	17,000	13,800	12,700
15.....	14,800	11,500	15,600	22,200	31,400	208,000	27,300	79,700	20,900	17,200	13,600	13,300
16.....	14,200	13,100	16,200	19,600	46,500	221,000	26,200	68,500	19,600	16,000	15,600	13,800
17.....	12,600	13,800	16,400	23,500	59,500	226,000	26,600	58,600	18,400	14,800	16,600	13,500
18.....	13,800	14,400	15,200	27,300	62,800	230,000	27,600	48,900	17,200	16,400	16,400	11,500
19.....	17,000	14,800	13,600	27,800	63,400	239,000	29,700	41,600	16,800	18,000	15,800	10,800
20.....	17,000	13,300	14,200	28,000	59,800	249,000	32,800	39,800	17,200	19,400	14,000	12,200
21.....	16,000	12,900	16,000	27,300	58,100	261,000	36,700	44,500	17,600	19,400	12,400	12,600
22.....	14,600	13,500	17,400	24,000	55,800	266,000	41,600	55,000	17,000	18,000	11,800	13,300
23.....	12,900	15,200	18,400	20,400	51,600	269,000	41,300	66,700	16,800	16,400	12,000	14,000
24.....	11,300	14,600	19,000	20,400	48,100	260,000	38,500	74,700	17,200	14,000	12,400	12,700
25.....	12,700	14,200	17,200	22,600	43,200	248,000	34,600	77,700	17,600	13,800	12,900	11,500
26.....	13,000	14,000	14,400	23,700	49,400	236,000	39,300	75,400	17,600	15,400	12,700	14,400
27.....	14,600	13,500	12,900	24,000	82,300	226,000	46,800	67,900	19,800	13,600	11,100	19,200
28.....	14,000	12,200	11,800	25,100	99,300	218,000	55,800	58,400	20,400	19,800	10,100	21,500
29.....	13,800	11,700	12,700	26,200	-----	209,000	60,300	50,200	25,300	19,400	10,900	20,700
30.....	12,700	14,200	14,600	32,100	-----	201,000	60,300	44,500	27,800	17,800	12,200	18,400
31.....	11,500	-----	15,600	38,200	-----	188,000	-----	39,800	-----	14,200	12,600	-----

*Daily and monthly discharge, in second-feet, of Alabama River near Co., Ala.,
1928-30—Continued*

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1929-30												
1.....	16,400	14,000	103,000	34,600	84,900	24,000	32,100	14,600	16,400	10,200	10,800	10,900
2.....	17,400	12,700	84,300	34,800	88,100	39,000	26,600	15,400	14,800	9,890	11,300	9,890
3.....	22,200	12,600	68,800	37,400	86,300	47,800	29,500	15,200	13,500	9,720	11,800	9,890
4.....	23,100	14,800	56,100	39,800	80,600	50,000	43,400	13,800	12,200	10,400	12,900	9,890
5.....	22,200	18,000	48,100	38,700	75,000	51,400	47,600	13,800	11,800	12,000	12,700	10,200
6.....	23,100	22,800	45,000	36,700	70,000	48,000	56,700	14,000	11,300	13,100	10,900	11,100
7.....	23,700	32,400	44,700	33,100	67,300	43,200	60,600	12,700	10,800	12,400	9,550	11,500
8.....	22,000	36,700	46,500	30,700	67,300	45,500	54,400	11,700	11,800	10,900	10,100	11,300
9.....	18,400	41,600	44,500	30,000	67,600	59,200	46,800	11,100	14,400	9,720	11,800	10,400
10.....	16,800	43,200	40,000	29,000	65,800	74,700	42,100	11,700	14,000	9,890	12,000	10,600
11.....	16,000	40,800	37,400	28,800	61,700	86,000	39,500	12,200	12,200	11,100	10,900	11,100
12.....	14,800	35,100	36,400	27,100	56,400	93,900	37,400	12,600	11,100	11,800	12,400	11,300
13.....	13,500	38,700	34,800	24,000	50,000	97,700	35,400	12,400	11,700	12,000	13,500	14,800
14.....	12,000	62,000	33,300	22,200	43,200	98,100	32,400	11,700	13,800	11,800	12,600	19,800
15.....	11,300	86,700	31,900	22,000	38,500	95,800	26,400	12,200	15,800	11,300	12,700	20,400
16.....	10,100	103,000	29,700	24,400	40,800	91,700	21,100	14,200	15,400	10,600	13,300	18,000
17.....	9,380	116,000	26,400	24,800	45,000	85,600	20,400	15,400	12,700	11,100	13,800	18,800
18.....	10,600	128,000	25,500	24,000	44,700	76,700	21,800	15,000	10,600	12,200	15,800	14,000
19.....	10,200	137,000	29,700	24,200	41,900	67,900	22,600	15,600	9,720	12,900	16,800	15,000
20.....	9,550	144,000	31,600	25,100	39,800	60,000	22,600	18,000	9,380	13,100	16,800	17,200
21.....	10,400	152,000	35,900	26,600	38,200	55,800	22,200	25,100	9,380	13,500	16,600	24,000
22.....	12,000	159,000	40,600	29,500	36,90	57,200	20,200	35,600	9,550	12,600	16,400	24,000
23.....	12,900	164,000	43,400	33,300	35,400	58,900	17,400	42,100	10,400	10,900	15,400	21,800
24.....	15,800	165,000	43,200	35,900	33,300	53,900	16,400	43,400	11,300	9,890	14,000	17,400
25.....	16,600	164,000	41,900	37,700	27,800	46,500	16,600	41,100	11,100	10,100	13,100	15,400
26.....	14,400	159,000	41,900	39,000	22,000	41,100	17,200	37,400	10,400	11,500	12,700	15,800
27.....	12,600	151,000	40,600	39,000	20,000	38,000	17,200	33,300	10,100	13,800	12,200	17,200
28.....	11,800	141,000	37,700	38,500	20,200	36,400	16,800	29,700	10,400	14,400	11,100	19,600
29.....	10,800	132,000	36,900	47,800	-----	37,200	15,600	25,500	10,600	12,200	11,300	19,200
30.....	10,400	120,000	36,700	66,400	-----	37,200	14,600	21,100	10,400	10,400	11,800	17,200
31.....	13,300	-----	35,400	77,700	-----	36,100	-----	18,200	-----	10,100	11,800	-----

Month	Discharge in second-feet				Run-off in inches
	Maximum	Minimum	Mean	Per square mile	
1928					
July 3-31.....	43,200	19,800	31,200	1.47	1.58
August.....	23,100	11,500	16,700	.788	.91
September.....	33,600	10,200	17,200	.811	.90
1928-29					
October.....	17,000	11,300	13,800	.651	.75
November.....	15,200	10,400	13,300	.627	.70
December.....	19,400	11,800	15,600	.736	.85
January.....	38,200	12,000	21,300	1.00	1.15
February.....	99,300	20,200	42,700	2.01	2.09
March.....	269,000	114,000	199,000	9.39	10.83
April.....	173,000	26,200	56,500	2.67	2.98
May.....	95,800	39,800	69,600	3.28	3.78
June.....	37,200	16,800	23,000	1.08	1.20
July.....	29,000	13,600	18,600	.877	1.01
August.....	17,800	10,100	14,200	.670	.77
September.....	21,500	8,400	13,100	.618	.69
The year.....	269,000	8,400	41,900	1.98	26.80
1929-30					
October.....	23,700	9,380	15,000	.708	.82
November.....	165,000	12,600	88,300	4.17	4.65
December.....	103,000	25,500	43,000	2.03	2.34
January.....	77,700	22,000	34,300	1.62	1.87
February.....	88,100	20,000	51,700	2.44	2.54
March.....	98,100	24,000	59,200	2.79	3.22
April.....	60,600	14,600	29,800	1.41	1.57
May.....	43,400	11,100	20,200	.953	1.10
June.....	16,400	9,380	11,900	.561	.63
July.....	14,400	9,720	11,500	.542	.62
August.....	16,800	9,550	12,900	.608	.70
September.....	24,000	9,890	15,300	.722	.81
The year.....	165,000	9,380	32,500	1.53	20.87

NOTE.—Records of discharge in the above table from July 3, 1928, to Sept. 30, 1929, supersede the records published in Water Supply Papers 662 and 682.

CONASAUGA RIVER NEAR TENNGA, GA.

LOCATION.—Chain gage at highway bridge 600 feet below Southern Railway and 2 miles north of Tennga, Murray County.

DRAINAGE AREA.—105 square miles.

RECORDS AVAILABLE.—May, 1929, to September, 1930.

EXTREMES.—Maximum stage during year, 14.39 feet Nov. 15 (discharge not determined); minimum discharge, 16 second-feet Sept. 5 (gage height, 5.27 feet).

1929-30: Maximum gage height, that of Nov. 15, 1929; minimum discharge, that of Sept. 5, 1930.

REMARKS.—Records good except those for high stages, which are poor.

Daily and monthly discharge, in second-feet, 1929-1930

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	154	82	236	250	147	151	209	111	95	48	24	21
2.....	136	111	413	250	209	160	260	109	94	48	23	20
3.....	122	2,240	311	361	236	145	768	106	88	43	23	19
4.....	107	938	280	311	852	143	726	106	84	41	24	19
5.....	128	468	265	265	852	141	486	109	97	39	23	17
6.....	126	328	250	250	449	209	685	102	236	35	23	19
7.....	118	280	236	236	344	1,570	563	99	196	41	22	19
8.....	111	413	222	209	296	895	413	117	115	54	22	18
9.....	104	344	209	196	250	563	344	130	100	43	22	17
10.....	97	280	196	184	236	431	296	141	90	43	63	22
11.....	90	280	196	172	209	378	265	124	84	39	31	63
12.....	88	378	184	196	196	311	250	113	82	37	27	49
13.....	84	2,040	172	163	280	280	222	111	78	38	23	56
14.....	82	3,060	172	163	524	250	209	222	77	38	24	36
15.....	77	4,020	167	468	396	236	196	184	69	37	28	30
16.....	77	1,240	160	449	311	222	184	151	69	35	28	25
17.....	76	3,600	184	311	280	222	172	143	106	77	23	23
18.....	73	1,680	311	265	250	236	172	184	83	35	24	26
19.....	70	810	563	209	222	768	165	981	69	35	28	236
20.....	71	603	413	209	209	563	156	486	63	35	25	128
21.....	74	468	296	236	196	431	151	296	66	37	43	69
22.....	138	396	280	486	184	344	138	222	117	31	59	49
23.....	107	378	250	468	184	296	143	184	77	33	34	39
24.....	89	328	209	361	184	265	138	172	63	74	28	50
25.....	82	311	209	296	170	361	130	141	60	49	24	36
26.....	78	396	196	250	172	328	128	128	54	36	23	76
27.....	78	396	250	236	156	296	130	122	51	32	22	54
28.....	78	361	413	222	156	280	124	113	48	31	22	43
29.....	84	311	449	196	-----	265	122	126	46	30	21	34
30.....	84	265	361	196	-----	236	117	117	48	28	22	34
31.....	88	-----	280	184	-----	222	-----	102	-----	25	20	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	154	70	95.8	0.912	1.05
November.....	4,020	82	894	8.51	9.50
December.....	563	160	269	2.56	2.95
January.....	496	163	266	2.53	2.92
February.....	852	147	291	2.77	2.88
March.....	1,570	141	361	3.44	3.97
April.....	768	117	268	2.55	2.84
May.....	981	99	179	1.70	1.96
June.....	236	46	86.8	.827	.92
July.....	77	25	40.2	.383	.44
August.....	63	20	27.4	.261	.30
September.....	236	17	44.9	.428	.48
The year.....	4,020	17	234	2.23	30.21

ETOWAH RIVER NEAR KINGSTON, GA.

LOCATION.—Water-stage recorder at highway bridge half a mile above Two Run Creek and $2\frac{1}{4}$ miles southwest of Kingston, Barton County. Zero of gage 609.97 feet above mean sea level.

DRAINAGE AREA.—1,630 square miles.

RECORDS AVAILABLE.—July, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 40,200 second-feet Mar. 7 (gage height, 21.50 feet); minimum, 532 second-feet Aug. 31 (gage height, 3.28 feet).

1928-1930: Maximum discharge, that of Mar. 7, 1930; minimum, that of Aug. 31, 1930.

REMARKS.—Records good except those for estimated period, Nov. 18-22, which are fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	2,390	1,440	2,930	2,560	4,800	2,340	2,450	1,780	1,560	1,970	1,010	580
2.....	2,930	1,480	2,990	2,510	4,650	2,340	2,390	1,740	1,480	1,440	820	580
3.....	2,680	2,510	3,530	2,870	4,650	2,230	2,930	1,690	1,480	1,070	715	560
4.....	2,230	6,560	3,120	2,930	4,970	2,180	4,040	1,740	1,440	955	680	576
5.....	2,020	4,180	2,870	2,510	6,060	2,120	3,190	1,830	1,440	920	665	670
6.....	2,510	2,390	2,740	2,390	5,300	3,890	3,390	1,690	1,560	864	655	730
7.....	2,340	2,180	2,680	2,340	4,180	33,900	3,390	1,650	2,120	850	635	802
8.....	2,120	4,340	3,900	2,340	3,680	31,800	2,990	1,690	1,920	838	700	742
9.....	1,920	3,680	3,460	2,280	3,320	11,600	2,740	2,450	1,560	796	864	670
10.....	1,830	2,510	2,930	2,230	3,120	5,580	2,620	2,510	1,440	790	1,110	620
11.....	1,690	2,340	2,800	2,230	2,930	4,650	2,510	2,230	1,400	778	892	1,150
12.....	1,650	7,190	2,680	2,120	2,870	4,180	2,450	2,450	1,350	760	748	2,340
13.....	1,610	11,300	2,560	2,120	2,500	3,600	2,390	2,280	1,310	748	640	1,650
14.....	1,610	7,190	2,510	2,120	3,260	3,320	2,390	3,460	1,310	720	620	1,070
15.....	1,560	14,400	2,450	2,870	3,120	3,190	2,340	3,750	1,310	802	630	814
16.....	1,520	11,500	2,390	4,180	3,060	3,060	2,280	2,560	1,270	1,520	670	941
17.....	1,480	9,140	2,510	3,120	2,870	2,930	2,230	2,280	1,270	1,230	670	920
18.....	1,480	9,880	3,320	2,680	2,680	2,990	2,180	5,980	1,350	1,520	710	998
19.....	1,400	5,900	3,530	2,510	2,620	3,600	2,340	5,810	1,350	1,560	705	1,070
20.....	1,400	4,500	3,190	2,340	2,560	4,180	2,280	4,650	1,190	1,310	670	1,400
21.....	1,480	3,900	2,740	2,390	2,510	3,460	2,120	3,260	1,110	1,050	778	1,560
22.....	1,780	3,600	2,620	3,600	2,450	3,190	2,120	2,510	1,110	885	1,690	1,230
23.....	1,690	3,680	2,740	4,500	2,450	3,060	2,070	2,680	1,110	850	1,070	962
24.....	1,520	3,530	2,620	3,390	2,450	2,990	2,020	3,390	1,070	976	820	1,050
25.....	1,440	3,190	2,450	2,930	2,390	2,990	1,970	2,450	1,070	976	730	1,010
26.....	1,400	5,580	2,560	2,740	2,340	3,060	1,920	2,020	1,040	892	690	1,030
27.....	1,400	6,250	2,620	2,620	2,390	2,800	1,880	1,880	1,040	920	670	1,010
28.....	1,350	4,500	2,870	4,650	2,340	2,680	1,880	1,730	948	878	660	913
29.....	1,400	3,680	3,120	5,810	-----	2,560	1,920	1,740	920	934	630	796
30.....	1,400	3,260	2,870	6,060	-----	2,560	1,830	1,690	906	820	590	742
31.....	1,400	-----	2,680	5,450	-----	2,510	-----	1,610	-----	1,050	572	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	2,930	1,350	1,760	1.08	1.24
November.....	14,400	1,440	5,190	3.18	3.55
December.....	3,900	2,390	2,870	1.76	2.03
January.....	6,060	2,120	3,080	1.89	2.18
February.....	6,060	2,340	3,320	2.04	2.12
March.....	33,900	2,120	5,340	3.28	3.78
April.....	4,040	1,830	2,440	1.50	1.67
May.....	5,980	1,610	2,550	1.56	1.80
June.....	2,120	906	1,310	.804	.90
July.....	1,970	720	1,020	.626	.72
August.....	1,690	572	765	.469	.54
September.....	2,340	560	973	.597	.67
The year.....	33,900	560	2,550	1.56	21.20

LITTLE RIVER NEAR JAMESTOWN, ALA.

LOCATION.—Water-stage recorder in T. 7 S., R. 10 E. Huntsville meridian, at highway bridge one-fourth mile above Yellow Creek and $2\frac{1}{2}$ miles west of Jamestown. Zero of gage 1,177.4 feet above mean sea level.

DRAINAGE AREA.—121 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 8,130 second-feet Nov. 14 (gage height, 9.38 feet); no flow for several days during July and September.

1928-1930: Maximum discharge, 9,430 second-feet Mar. 14, 1929 (gage height, 10.40 feet); no flow several days during July and September, 1930.

REMARKS.—Records from Oct. 1 to June 16 fair between 20 and 6,000 second-feet and poor beyond these limits; records from June 17 to Sept. 30 good below and fair above 6,000 second-feet.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	53	55	264	317	242	103	157	18	31	0.9	0.7	0.4
2-----	45	634	312	304	234	98	154	16	29	.9	.5	.4
3-----	38	2,160	370	330	246	94	312	15	24	.8	.4	.3
4-----	32	1,240	317	345	1,140	94	405	16	20	.8	.4	.2
5-----	92	676	277	299	1,080	94	335	24	16	.7	.3	.1
6-----	148	454	260	255	690	882	360	22	26	.7	.3	.1
7-----	103	375	226	226	496	4,010	321	17	32	.6	.2	0
8-----	67	415	222	197	395	1,710	277	16	30	.6	.2	0
9-----	45	350	238	171	345	984	209	80	21	.4	.3	0
10-----	45	321	197	120	286	690	175	80	17	.4	.3	.1
11-----	38	380	171	123	242	585	157	53	14	.3	.4	.4
12-----	44	502	154	103	213	478	131	48	11	.3	.4	.8
13-----	44	2,740	138	103	246	385	125	42	8.4	.2	.3	2.8
14-----	36	5,400	131	117	490	317	101	42	7.8	.1	.4	4.0
15-----	28	4,010	148	385	430	286	87	37	7.2	0	.5	2.4
16-----	23	1,810	148	380	436	268	78	35	7.2	0	.8	1.8
17-----	17	3,130	157	308	370	242	72	26	36	0	.7	1.3
18-----	15	2,110	321	290	312	282	67	164	30	0	.6	1.3
19-----	12	1,240	502	251	268	786	61	1,760	19	0	.5	14
20-----	14	850	442	209	242	690	53	930	10	0	.4	80
21-----	21	627	340	242	201	538	53	380	5.6	0	.5	76
22-----	117	520	321	520	179	400	53	304	4.0	0	.7	53
23-----	144	490	304	538	157	317	48	242	3.6	0	.6	32
24-----	111	420	260	436	144	264	44	355	3.6	.9	.5	21
25-----	92	370	242	370	131	420	41	260	2.8	1.2	.5	19
26-----	70	532	230	295	123	420	28	164	2.4	1.1	.7	22
27-----	61	578	268	277	111	350	28	125	1.7	1.0	.9	30
28-----	58	460	655	273	103	312	23	94	1.4	.9	.8	29
29-----	53	355	706	264	-----	264	22	65	1.3	1.0	.7	21
30-----	48	308	508	260	-----	226	20	53	1.0	1.6	.6	16
31-----	45	-----	395	246	-----	171	-----	44	-----	.9	.5	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	148	12	56.7	0.469	0.54
November-----	5,400	55	1,120	9.26	10.33
December-----	706	131	298	2.46	2.84
January-----	538	103	276	2.28	2.63
February-----	1,140	103	341	2.82	2.94
March-----	4,010	94	541	4.47	5.15
April-----	405	20	133	1.10	1.23
May-----	1,760	15	178	1.47	1.70
June-----	36	1.0	14.1	.117	.13
July-----	1.6	0	.53	.0044	.005
August-----	.9	.2	.50	.0041	.005
September-----	80	0	14.3	.118	.13
The year-----	5,400	0	246	2.03	27.63

CHOCOLOCOCO CREEK NEAR JENIFER, ALA.

LOCATION.—Staff gage in T. 17 S., R. 7 E., at Louisville & Nashville Railroad bridge $1\frac{1}{2}$ miles north of Jenifer.

DRAINAGE AREA.—274 square miles.

RECORDS AVAILABLE.—August, 1903, to February, 1908; May, 1929, to September, 1930.

EXTREMES.—Maximum gage height during year, 14.30 feet Mar. 7 (discharge not determined); minimum discharge, 78 second-feet Sept. 8 (gage height, 1.72 feet).

1903–1908; 1929–30: Maximum gage height, that of Mar. 7, 1930; minimum discharge, 26 second-feet (revised) Oct. 24–30 and Nov. 1, 2, 1904 (gage height, 1.40 feet).

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	131	122	478	390	975	295	330	215	245	142	122	81
2.....	158	222	500	396	920	278	330	215	245	140	110	81
3.....	163	252	500	432	920	260	755	200	230	142	108	82
4.....	135	381	455	396	1,100	260	920	200	215	138	106	82
5.....	105	303	390	350	1,160	260	755	200	230	134	104	82
6.....	131	208	370	330	1,040	432	575	200	410	130	110	81
7.....	149	381	390	330	810	9,100	500	188	432	126	110	81
8.....	126	543	500	312	700	7,510	410	188	312	126	116	80
9.....	135	471	432	312	575	2,710	390	215	245	122	124	81
10.....	118	303	370	312	500	1,340	370	200	230	122	102	88
11.....	126	285	350	295	455	1,100	350	200	215	122	102	94
12.....	107	1,100	350	278	432	920	330	200	215	124	98	90
13.....	101	1,670	330	260	432	755	330	188	200	126	96	102
14.....	109	1,600	312	260	455	650	330	625	200	122	96	108
15.....	112	3,450	295	312	410	575	312	478	200	124	102	116
16.....	97	3,160	312	312	390	525	295	278	188	122	98	128
17.....	103	3,850	432	278	350	500	295	500	200	120	106	138
18.....	105	3,350	525	260	330	500	278	1,950	188	126	114	138
19.....	97	3,160	550	260	330	810	278	3,160	188	136	100	312
20.....	95	2,030	478	260	330	810	278	1,880	175	140	100	370
21.....	137	1,040	432	278	312	650	260	1,160	175	132	102	370
22.....	285	650	410	500	312	575	260	700	172	118	130	215
23.....	194	650	432	625	312	525	260	525	165	110	108	175
24.....	181	600	432	525	295	478	245	455	165	312	104	130
25.....	118	525	432	432	295	550	245	432	162	260	98	118
26.....	120	1,100	390	390	295	500	230	330	152	175	92	116
27.....	116	1,280	432	370	278	432	230	312	150	160	92	126
28.....	109	920	478	920	295	410	230	295	148	132	92	134
29.....	129	700	550	1,540	-----	390	230	295	142	128	90	130
30.....	105	330	500	1,470	-----	370	215	278	138	120	84	122
31.....	122	-----	455	1,160	-----	370	-----	278	-----	122	81	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	285	95	130	0.474	0.55
November.....	3,850	122	1,150	4.20	4.69
December.....	550	295	428	1.56	1.80
January.....	1,540	260	469	1.71	1.97
February.....	1,160	278	536	1.96	2.04
March.....	9,100	260	1,120	4.09	4.72
April.....	920	215	361	1.32	1.47
May.....	3,160	188	534	1.95	2.25
June.....	432	138	211	.770	.86
July.....	312	110	140	.511	.59
August.....	130	81	103	.376	.43
September.....	370	80	135	.493	.55
The year.....	9,100	80	443	1.62	21.92

TALLAPOOSA RIVER NEAR CRAGFORD, ALA.

LOCATION.—Water-stage recorder in sec. 28, T. 20 S., R. 10 E. Huntsville meridian, 400 feet above Crooked Creek and 2½ miles east of Cragford. Zero of gage 637.75 feet above mean sea level.

DRAINAGE AREA.—1,460 square miles.

RECORDS AVAILABLE.—October, 1922, to April, 1930 (discontinued).

EXTREMES.—Maximum discharge during year not determined; minimum daily mean discharge, 620 second-feet Oct. 19 (gage height, 1.75 feet).

1922-1930: Maximum discharge, 46,300 second-feet Jan. 18, 1925 (gage height, 19.6 feet); minimum, 30 second-feet Sept. 11, 1925 (gage height, 0.65 foot).

REMARKS.—Records good. Records collected by Alabama Power Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
1	1,390	770	2,080	1,800	4,000	1,940	1,800
2	1,520	770	2,080	1,870	3,650	1,940	1,730
3	1,520	1,460	2,370	2,370	3,650	1,800	4,750
4	1,520	3,180	2,220	2,080	4,360	1,730	3,820
5	1,190	2,240	2,080	1,940	4,750	1,660	2,990
6	1,190	1,660	1,800	1,870	4,000	1,730	2,370
7	1,190	1,460	2,370	1,800	3,310	12,100	2,080
8	1,190	4,060	4,550	1,730	2,990	15,700	2,010
9	1,130	3,520	3,310	1,660	2,830	12,900	-----
10	1,010	2,080	2,990	1,590	2,670	7,350	-----
11	890	1,630	2,670	1,590	2,370	4,000	-----
12	770	21,300	2,370	1,590	2,370	3,650	-----
13	770	16,000	2,080	1,660	2,370	3,150	-----
14	770	9,500	1,870	1,530	2,370	2,830	-----
15	720	18,600	1,800	2,220	2,670	2,670	-----
16	720	13,100	1,870	2,370	2,370	2,670	-----
17	670	12,100	1,870	2,370	2,080	2,670	-----
18	670	12,900	2,370	2,220	1,940	2,520	-----
19	620	9,130	4,000	1,870	1,940	4,000	-----
20	670	4,550	2,990	1,660	1,940	4,360	-----
21	1,010	3,310	2,520	1,590	1,940	3,310	-----
22	2,240	2,990	2,370	2,370	1,940	2,670	-----
23	1,010	2,990	2,370	2,990	1,800	2,370	-----
24	720	2,670	2,080	2,670	1,800	2,370	-----
25	720	2,370	2,080	2,370	1,730	2,670	-----
26	770	3,150	2,080	1,940	1,730	2,670	-----
27	770	4,360	2,080	1,870	1,730	2,220	-----
28	770	3,650	2,080	5,570	1,660	2,080	-----
29	770	2,990	2,220	7,350	-----	2,080	-----
30	770	2,370	2,080	6,450	-----	1,940	-----
31	770	-----	1,870	4,750	-----	1,870	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,240	620	982	0.673	0.78
November	21,300	770	5,700	3.90	4.35
December	4,550	1,800	2,370	1.62	1.87
January	7,350	1,530	2,510	1.72	1.98
February	4,750	1,660	2,610	1.79	1.86
March	15,700	1,660	3,790	2.60	3.00
April 1-8	4,750	1,730	2,690	1.84	.55

TALLAPOOSA RIVER AT WADLEY, ALA.

LOCATION.—Staff gage in sec. 12, T. 22 S., R. 10 E. Huntsville meridian, in Wadley.
Zero of gage 600.78 feet above mean sea level.

DRAINAGE AREA.—1,660 square miles.

RECORDS AVAILABLE.—September, 1923, to September, 1930.

EXTREMES.—Maximum discharge during year, 31,400 second-feet Nov. 12 (gage height, 18.90 feet); minimum, 150 second-feet Sept. 2 (gage height, 2.50 feet).

1923-1930: Maximum discharge, 46,900 second-feet Jan. 18, 1925 (gage height, 26.3 feet); minimum, 60 second-feet for 8 days during September, 1925 (gage height, 2.2 feet).

REMARKS.—Records good. Records collected by Alabama Power Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,520	950	2,470	2,200	5,210	2,200	2,060	1,380	1,250	800	500	210
2.....	2,650	950	2,470	2,200	4,700	2,200	2,060	1,380	1,250	680	440	150
3.....	2,100	1,650	2,750	2,750	4,360	2,200	7,260	1,250	1,120	620	620	180
4.....	1,590	3,500	2,610	2,470	5,210	2,060	5,210	1,250	1,120	620	620	210
5.....	1,260	3,060	2,470	2,200	6,880	1,930	3,890	1,380	1,320	500	500	1,590
6.....	2,100	1,720	2,200	2,200	5,210	1,930	3,030	1,320	2,330	500	380	440
7.....	1,650	1,520	2,470	1,930	4,050	15,300	2,750	1,250	1,790	500	330	280
8.....	1,320	4,800	5,210	1,930	3,460	17,600	2,470	1,250	1,650	500	280	280
9.....	1,130	3,800	4,050	1,930	3,170	14,400	2,330	1,250	1,320	440	380	210
10.....	1,010	2,370	3,310	1,930	3,030	9,560	2,200	1,180	1,120	380	280	1,520
11.....	950	1,850	2,750	1,930	2,750	4,870	2,060	1,990	1,120	380	280	14,900
12.....	880	24,200	2,470	1,930	2,610	4,050	2,060	1,860	1,050	280	620	12,000
13.....	820	18,200	2,330	1,790	2,610	3,310	2,060	1,520	990	280	500	8,700
14.....	820	10,800	2,200	1,790	2,750	3,030	1,930	5,040	990	380	380	4,530
15.....	820	21,100	2,200	2,610	3,030	2,750	1,930	5,040	990	1,250	280	2,330
16.....	760	14,900	2,060	3,030	2,610	2,610	1,930	3,030	990	1,790	280	1,790
17.....	700	14,000	2,200	2,750	2,470	2,610	1,790	2,610	990	1,520	280	1,320
18.....	700	14,900	3,600	2,470	2,330	2,610	1,790	4,530	990	1,120	280	1,120
19.....	700	11,200	4,870	2,200	2,330	4,870	2,470	11,200	860	2,680	280	5,560
20.....	700	5,560	3,890	2,060	2,200	4,870	2,200	9,980	860	1,120	500	18,000
21.....	820	3,890	3,030	2,060	2,200	3,890	2,060	5,390	860	1,050	440	11,200
22.....	2,510	3,310	2,750	3,030	2,200	3,030	1,930	3,310	740	800	380	5,920
23.....	1,850	3,310	2,610	3,600	2,200	2,750	1,860	2,540	740	680	280	2,820
24.....	1,200	3,170	2,470	3,310	2,200	2,610	1,650	2,750	680	3,100	380	1,650
25.....	1,010	2,750	2,470	2,750	2,060	2,890	1,520	3,310	800	1,720	380	1,320
26.....	950	3,740	2,330	2,470	2,060	2,890	1,520	2,200	740	990	280	1,120
27.....	880	5,390	2,470	2,330	2,060	2,610	1,520	1,790	740	1,520	280	1,380
28.....	820	4,200	2,470	6,690	2,060	2,470	1,520	1,590	620	990	280	1,180
29.....	820	3,310	2,750	9,350	-----	2,330	1,520	1,380	620	740	210	990
30.....	820	2,750	2,750	9,350	-----	2,330	1,380	1,500	620	680	210	860
31.....	820	-----	2,750	6,290	-----	2,200	-----	1,380	-----	500	210	-----

Month	Maximum	Minimum	Mean	Per square mile	Rm-off in inches
October.....	2,650	700	1,180	0.711	0.82
November.....	24,200	950	6,560	3.95	4.41
December.....	5,210	2,060	2,820	1.70	1.96
January.....	9,350	1,790	3,080	1.86	2.14
February.....	6,880	2,060	3,140	1.89	1.97
March.....	17,600	1,930	4,350	2.62	3.02
April.....	7,260	1,380	2,330	1.40	1.56
May.....	11,200	1,180	2,800	1.69	1.95
June.....	2,330	620	1,040	.627	.70
July.....	3,100	280	939	.566	.65
August.....	620	210	366	.220	.25
September.....	18,000	150	3,460	2.08	2.32
The year.....	24,200	150	2,660	1.60	21.75

TALLAPOOSA RIVER BELOW TALLASSEE, ALA.

LOCATION.—Water-stage recorder in T. 18 N., R. 22 E., 1½ miles below highway bridge at Tallassee. Zero of gage 162.03 feet above mean sea level.

DRAINAGE AREA.—3,320 square miles.

RECORDS AVAILABLE.—July, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 39,000 second-feet Nov. 16 (gage height, 29.5 feet); minimum, 10 second-feet June 3, 4 (gage height, -1.2 feet).

1928-1930: Maximum discharge, 115,000 second-feet Mar. 15, 1929 (gage height, 51.35 feet); minimum, that of June 3, 4, 1930.

REMARKS.—Records good below and poor above 25,000 second-feet. Considerable regulation caused by operation of power plants upstream. Records collected by Alabama Power Co. under general supervision of the United States Geological Survey in connection with a Federal Power Commission project.

Daily and monthly discharge, in second-feet, 1928-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	532	298	2,590	5,060	7,360	4,020	2,930	3,850	15	3,670	5,980	5,360
2	2,590	77	4,970	5,030	8,880	1,770	3,680	3,580	15	3,900	53	6,750
3	614	70	7,610	5,330	7,090	7,590	8,080	205	10	4,000	30	7,480
4	84	444	8,180	5,350	8,480	6,370	10,000	75	271	898	5,610	7,410
5	273	659	2,110	3,200	9,200	4,420	2,270	70	2,710	3,300	7,670	7,230
6	654	108	4,580	4,720	10,000	3,450	524	1,890	678	3,840	7,580	5,250
7	462	556	4,030	5,630	10,000	10,300	6,900	2,300	65	5,490	6,660	711
8	701	1,290	4,030	5,660	10,100	15,900	7,640	1,570	63	7,170	6,710	5,660
9	79	103	6,130	6,700	9,750	14,900	7,520	114	1,970	7,760	5,520	7,020
10	394	70	8,490	4,410	9,790	15,100	8,160	573	59	7,520	104	6,610
11	641	1,280	7,060	4,720	9,800	15,000	8,500	84	3,870	6,590	5,500	6,870
12	96	8,050	6,350	202	9,710	14,100	720	1,340	3,470	3,940	7,740	1,760
13	1,050	12,600	6,210	2,590	9,710	13,500	75	636	1,070	4,590	7,310	287
14	6,260	18,200	4,020	3,850	9,950	12,700	2,480	295	130	6,640	6,500	189
15	1,530	35,500	2,980	4,170	9,500	11,900	4,000	572	59	7,660	5,910	4,910
16	1,120	34,000	3,410	4,230	2,190	11,000	3,990	186	45	7,570	3,520	6,700
17	2,810	29,000	3,330	4,830	8,800	12,000	3,910	812	617	7,770	810	5,870
18	3,840	31,700	5,490	4,890	9,050	12,500	4,030	1,860	3,610	5,470	5,430	4,100
19	807	25,900	7,990	6,937	8,940	13,700	2,190	3,600	3,890	1,050	7,580	1,890
20	612	24,100	5,680	3,380	8,840	10,800	85	8,050	3,840	898	6,950	212
21	1,920	22,300	6,380	5,050	8,770	1,290	2,190	8,930	1,770	5,570	7,000	81
22	2,090	17,700	2,530	6,050	854	91	2,500	8,750	1,490	7,370	7,350	2,440
23	1,420	12,900	5,130	5,910	76	77	1,590	8,490	1,510	7,470	6,140	3,770
24	284	6,790	3,890	5,910	1,350	3,220	2,490	8,170	2,130	4,960	80	5,570
25	511	1,060	2,830	5,780	1,820	5,480	1,380	8,160	4,590	708	5,800	4,440
26	4,970	182	4,150	3,790	3,390	5,700	522	5,380	5,190	279	7,900	2,390
27	7,490	1,600	5,430	4,300	3,380	6,080	81	631	4,370	740	7,900	2,010
28	4,710	2,820	5,180	6,150	3,740	7,000	2,410	29	3,790	5,420	7,900	323
29	83	2,930	3,670	9,400	-----	538	3,870	20	3,870	7,760	7,020	5,870
30	901	5,230	4,710	10,100	-----	82	3,840	20	3,890	7,390	5,810	6,090
31	412	-----	5,640	7,280	-----	2,180	-----	15	-----	6,800	658	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,480	79	1,590	0.479	0.55
November	35,500	70	9,900	2.98	3.32
December	8,580	2,110	5,090	1.53	1.76
January	10,100	202	4,980	1.50	1.73
February	10,100	76	7,160	2.16	2.25
March	15,900	77	7,830	2.36	2.72
April	10,000	75	3,620	1.09	1.22
May	8,930	15	2,590	.780	.90
June	5,180	10	2,090	.629	.70
July	7,770	279	4,980	1.50	1.73
August	7,900	80	5,380	1.62	1.87
September	7,480	81	4,090	1.23	1.37
The year	35,500	10	4,920	1.48	20.12

CAHABA RIVER AT CENTERVILLE, ALA.

LOCATION.—Staff gage in T. 23 N., R. 9 E. St. Stephens meridian, one-fourth mile west of Centerville. Zero of gage 181.6 feet above mean sea level.

DRAINAGE AREA.—1,030 square miles.

RECORDS AVAILABLE.—August, 1901, to February, 1908; May, 1929, to September, 1930.

EXTREMES.—Maximum discharge during year, 61,000 second-feet Nov. 15 (gage height, 34.00 feet); minimum, 233 second-feet Oct. 15, 16, 18 (gage height, 1.35 feet).

1901–1908, 1929–30: Maximum discharge, 70,100 second-feet Mar. 28, 1902 (gage height, 35.55 feet, present datum); minimum, 90 second-feet Oct. 24–29, 1904 (gage height, –0.35 foot, present datum).

Maximum stage known, 36.2 feet July 8, 1916, determined by levels (discharge, 74,200 second-feet).

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	326	1,120	2,360	2,120	5,220	1,330	1,040	527	605	665	429	320
2	304	1,200	2,560	2,120	4,980	1,330	1,160	501	501	1,650	340	280
3	282	5,740	2,700	2,410	5,100	1,160	5,670	501	475	579	280	260
4	271	11,500	2,410	2,070	6,960	1,080	5,580	475	452	452	280	260
5	326	6,120	2,210	1,780	8,870	1,000	3,420	475	452	360	280	280
6	606	2,750	2,070	1,740	6,680	1,240	2,460	452	1,000	320	260	260
7	482	1,790	2,020	1,690	4,260	17,500	1,970	452	1,160	320	260	260
8	398	1,620	2,020	1,690	3,300	19,500	1,600	452	665	320	260	260
9	326	1,290	1,880	1,560	2,560	12,100	1,380	452	605	320	251	260
10	304	1,120	1,690	1,460	2,260	5,460	1,240	475	527	320	242	260
11	282	4,600	1,560	1,380	1,970	3,960	1,120	475	452	300	383	2,030
12	260	45,000	1,510	1,290	1,880	3,540	1,000	452	429	300	280	1,690
13	251	39,400	1,420	1,200	1,740	2,700	963	452	452	300	251	925
14	242	45,400	1,380	1,240	1,690	2,260	925	823	429	300	260	1,240
15	242	50,200	1,380	1,560	1,510	1,880	925	635	429	1,370	851	755
16	242	29,600	1,330	1,460	1,460	1,690	857	527	429	1,420	857	475
17	242	18,200	1,650	1,330	1,330	1,560	823	1,790	429	605	1,970	383
18	242	12,900	2,660	1,240	1,290	1,510	823	5,580	429	452	3,480	320
19	242	9,140	4,620	1,240	1,240	2,760	789	6,400	406	360	2,070	406
20	242	5,910	3,190	1,160	1,160	3,080	725	6,680	383	320	857	789
21	3,470	4,260	2,360	1,330	1,160	2,410	725	3,840	360	320	605	789
22	6,260	3,540	2,260	3,780	1,120	2,120	695	1,930	360	300	579	605
23	2,380	3,780	2,310	4,500	1,160	1,970	665	1,460	340	280	452	501
24	1,240	3,420	2,070	3,240	1,120	1,780	605	1,600	360	360	406	452
25	850	2,910	1,970	2,560	1,080	1,740	605	1,330	320	789	360	383
26	670	4,260	2,020	2,120	1,080	1,930	579	1,000	320	452	340	360
27	542	4,860	2,160	1,970	1,080	1,650	579	789	300	383	320	383
28	542	3,960	2,660	6,050	1,120	1,560	553	665	300	360	300	320
29	542	3,190	2,970	9,700	-----	1,510	553	605	300	320	280	475
30	670	2,660	2,660	8,960	-----	1,200	553	605	300	553	280	360
31	1,200	-----	2,360	6,190	-----	1,120	-----	725	-----	605	280	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	6,260	242	790	0.767	0.88
November	50,200	1,120	11,000	10.7	11.94
December	4,620	1,330	2,210	2.15	2.48
January	9,700	1,160	2,650	2.57	2.96
February	8,870	1,080	2,660	2.58	2.69
March	19,500	1,000	3,410	3.31	3.82
April	5,670	553	1,350	1.31	1.46
May	6,680	452	1,390	1.35	1.56
June	1,160	300	466	.452	.50
July	1,650	280	508	.493	.57
August	3,480	242	592	.575	.66
September	2,030	260	547	.531	.59
The year	50,200	242	2,290	2.22	30.11

EAST FORK OF TOBIGBEE RIVER NEAR FULTON, MISS.

LOCATION.—Chain gage in T. 9 S., R. 8 E. Chickasaw meridian, at highway bridge 2 miles west of Fulton.

DRAINAGE AREA.—650 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 15,000 second-feet Mar. 8 (gage height, 17.42 feet); minimum, 14 second-feet Aug. 12 (gage height, 0.87 foot).

1928-1930: Maximum discharge, 15,700 second-feet Mar. 15, 1929 (gage height, 17.54 feet); minimum, that of Aug. 12, 1930.

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	130	* 544	456	* 791	* 960	* 622	467	146	242	57	28	71
2.....	106	763	511	* 777	* 1,040	* 533	467	146	215	71	26	71
3.....	85	1,100	544	* 1,750	* 1,150	* 423	610	138	18*	71	24	51
4.....	78	* 1,540	522	* 1,690	* 1,250	* 360	709	154	170	64	22	42
5.....	122	1,140	522	* 1,400	* 1,440	* 300	610	146	162	54	30	42
6.....	* 206	994	511	* 1,350	* 1,540	646	522	138	154	51	42	38
7.....	179	850	533	* 1,330	* 1,460	1,490	478	130	154	45	30	38
8.....	290	500	683	* 1,510	* 1,150	12,200	423	215	146	45	26	40
9.....	224	360	896	* 1,640	* 835	9,050	380	251	178	85	25	260
10.....	122	330	777	* 1,460	* 709	3,800	360	401	122	71	23	146
11.....	114	360	599	* 1,460	* 709	2,600	340	960	114	54	24	310
12.....	114	* 489	522	* 1,510	* 735	2,320	340	960	114	51	18	401
13.....	114	735	511	* 1,510	* 820	2,240	330	658	10*	45	22	206
14.....	106	1,270	467	* 1,540	1,140	1,800	320	1,040	10*	45	22	130
15.....	106	2,100	467	* 2,100	1,310	1,560	300	1,440	10*	42	25	88
16.....	106	* 5,200	467	* 1,800	1,400	1,230	290	1,560	89	40	599	64
17.....	106	* 3,100	478	* 1,560	1,310	960	280	1,560	122	38	280	57
18.....	106	* 1,860	* 500	* 1,170	1,080	791	310	1,690	114	38	340	54
19.....	99	* 1,770	* 577	* 1,100	820	1,010	310	2,500	99	35	577	54
20.....	99	* 1,460	533	* 1,170	658	1,350	251	10,100	88	35	280	54
21.....	122	* 1,210	500	* 1,400	588	1,420	224	6,600	82	33	122	242
22.....	* 188	928	* 489	* 2,240	544	1,310	215	3,300	71	31	85	162
23.....	* 206	658	* 478	* 1,400	* 599	1,080	206	2,320	71	38	68	92
24.....	251	749	* 478	* 928	* 599	865	197	1,860	71	40	57	74
25.....	233	865	* 500	* 777	* 511	977	188	1,310	64	51	54	74
26.....	233	896	* 610	* 683	* 522	1,080	179	896	64	45	51	71
27.....	233	850	* 670	* 805	* 588	960	170	533	57	45	48	71
28.....	224	791	* 670	* 1,830	* 658	735	170	380	51	40	45	68
29.....	188	646	* 835	* 2,100	-----	622	170	320	54	38	42	60
30.....	290	533	* 1,040	* 850	-----	555	162	300	54	34	45	57
31.....	401	-----	* 850	* 835	-----	511	-----	270	-----	30	60	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	401	78	167	0.257	0.30
November.....	5,200	330	1,150	1.77	1.98
December.....	1,040	456	587	.908	1.04
January.....	10,800	683	1,660	2.55	2.94
February.....	1,540	511	933	1.44	1.60
March.....	12,200	300	1,790	2.75	3.17
April.....	709	162	333	.512	.57
May.....	10,100	130	1,370	2.11	2.43
June.....	242	51	113	.174	.19
July.....	85	30	47.2	.073	.08
August.....	599	18	101	.155	.18
September.....	401	38	106	.163	.18
The year.....	12,200	18	697	1.07	14.56

* Estimated.

TOMBIGBEE RIVER AT ABERDEEN, MISS.

LOCATION.—Chain gage at St. Louis-San Francisco Railway bridge in Aberdeen, half a mile below Matubby Creek.

DRAINAGE AREA.—2,210 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 20,700 second-feet May 21 (gage height, 36.07 feet); minimum, 61 second-feet Aug. 8 (gage height, 2.00 feet).
1928-1930: Maximum discharge, 31,100 second-feet Mar. 25, 1929 (gage height, 39.18 feet); minimum, that of Aug. 8, 1930.

Maximum stage known, 44.0 feet Apr. 20, 1892.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	361	976	1,890	2,660	2,900	3,390	1,600	504	1,200	222	90	133
2	320	1,320	1,690	2,560	2,830	2,720	1,500	479	1,080	210	88	148
3	282	3,710	3,210	5,060	2,790	2,450	3,890	454	949	235	73	152
4	282	2,420	2,380	4,760	4,000	2,090	5,060	430	868	222	80	155
5	282	1,960	2,150	3,210	7,060	1,820	3,210	454	787	210	66	135
6	1,060	1,860	1,960	2,900	8,000	1,630	2,350	430	760	198	64	107
7	788	1,760	1,760	2,690	7,670	5,890	2,020	406	706	185	63	101
8	1,030	1,600	3,640	3,600	6,160	8,450	1,690	406	679	175	61	90
9	895	1,200	3,530	4,070	4,870	11,000	1,440	868	625	170	70	466
10	606	868	2,720	3,210	4,610	10,300	1,280	1,660	598	160	95	733
11	454	788	2,520	2,720	4,320	9,280	1,200	2,050	544	170	83	388
12	406	1,560	2,280	2,930	3,850	9,740	1,140	1,690	518	198	71	1,170
13	340	4,120	1,990	2,930	3,350	9,930	1,080	2,090	492	185	64	1,230
14	320	6,690	1,720	2,860	3,460	8,900	1,030	5,060	466	155	63	1,060
15	301	7,670	1,560	5,430	2,790	7,460	1,000	4,980	440	140	90	598
16	282	7,720	1,500	6,320	3,070	5,930	949	3,040	440	127	760	349
17	263	7,260	1,440	5,850	2,720	4,650	922	5,400	414	125	440	414
18	263	7,000	1,410	3,710	2,590	3,670	868	6,740	544	119	1,320	198
19	263	7,200	2,690	3,110	2,490	4,320	868	10,500	414	119	1,890	168
20	263	6,640	2,450	3,180	2,320	6,000	814	14,600	388	115	1,790	148
21	282	5,930	2,020	3,420	2,050	4,980	788	20,400	362	115	1,260	1,320
22	658	4,870	1,790	5,020	1,760	3,640	736	17,000	336	105	868	814
23	529	3,960	1,600	4,610	3,110	3,070	684	14,800	323	105	518	440
24	658	3,460	1,500	3,250	3,040	2,900	632	13,300	298	97	336	388
25	606	2,930	1,600	2,720	2,450	3,040	606	11,700	272	105	260	285
26	479	2,900	2,090	2,380	2,320	3,670	580	10,300	260	105	210	414
27	406	3,850	2,220	2,220	2,970	2,900	580	8,420	248	105	172	466
28	361	3,140	2,320	5,130	2,350	2,590	554	6,280	235	125	152	272
29	361	2,690	4,910	5,780	-----	2,320	529	3,580	222	113	142	210
30	430	2,320	4,390	4,650	-----	1,990	504	1,760	198	105	129	160
31	895	-----	3,000	3,210	-----	1,760	-----	1,440	-----	107	125	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,060	263	475	0.215	0.25
November	7,720	788	3,680	1.67	1.86
December	4,910	1,410	2,320	1.05	1.21
January	6,320	2,220	3,750	1.70	1.96
February	8,000	1,760	3,640	1.65	1.72
March	11,000	1,630	4,920	2.23	2.57
April	5,060	504	1,340	.606	.68
May	20,400	406	5,520	2.50	2.88
June	1,200	198	522	.236	.26
July	235	97	149	.067	.08
August	1,890	61	371	.168	.19
September	1,320	90	424	.192	.21
The year	20,400	61	2,260	1.02	13.87

TOMBIGBEE RIVER AT COLUMBUS, MISS.

LOCATION.—Staff gage at Mobile & Ohio Railroad bridge in Columbus, Lowndes County.

DRAINAGE AREA.—4,490 square miles.

RECORDS AVAILABLE.—January, 1900, to December, 1912; August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 76,500 second-feet May 21 (gage height, 28.80 feet); minimum, 238 second-feet Aug. 9 (gage height, -3.66 feet).

1900-1912, 1928-1930: Maximum stage recorded, 30.6 feet Mar. 31, 1902 (discharge not determined); minimum not determined.

Maximum stage known, 38.6 feet (revised) Apr. 8, 1892.

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	750	3,460	5,690	5,910	6,570	4,640	3,460	900	3,550	490	405	525
2.....	655	4,940	5,360	7,230	5,140	5,800	3,280	900	3,280	490	405	490
3.....	525	5,910	7,780	8,220	4,940	5,470	8,000	900	3,010	490	360	600
4.....	485	6,350	7,890	10,000	7,450	4,740	13,600	850	1,400	490	330	640
5.....	1,020	5,250	6,790	8,790	13,600	3,940	14,300	800	1,540	490	315	560
6.....	2,080	4,440	5,690	7,450	14,900	3,190	12,600	800	1,760	490	288	525
7.....	1,840	4,240	5,140	5,800	15,800	17,300	11,300	750	1,840	490	262	438
8.....	1,680	3,460	5,910	6,020	15,200	24,600	8,110	655	1,610	490	250	438
9.....	1,610	2,740	8,460	6,460	13,500	24,200	4,940	655	1,340	490	238	455
10.....	960	1,920	8,220	7,120	9,780	21,900	3,940	7,670	1,340	490	262	525
11.....	900	3,010	7,120	5,910	7,890	20,100	3,370	8,820	1,200	455	288	720
12.....	750	6,460	6,570	4,940	7,010	18,200	3,010	11,100	1,140	455	315	860
13.....	610	10,600	5,360	4,840	6,240	17,300	2,740	11,800	1,080	455	315	860
14.....	565	20,400	4,840	4,640	5,800	15,900	2,570	12,300	1,020	455	345	1,400
15.....	525	28,100	4,040	6,570	5,470	14,900	2,400	13,000	960	455	375	1,200
16.....	485	32,100	3,840	8,820	5,470	11,800	2,320	11,900	900	455	438	960
17.....	450	34,400	3,460	10,000	5,470	10,000	2,160	12,800	900	455	640	720
18.....	450	33,800	3,190	9,300	5,250	7,670	1,400	20,400	850	438	960	560
19.....	450	30,700	7,120	5,910	4,840	8,820	1,470	31,500	850	438	3,010	525
20.....	450	24,900	8,220	4,940	4,440	11,300	1,760	55,200	800	438	3,190	560
21.....	450	19,300	7,120	5,910	3,840	12,300	1,920	75,300	800	438	3,190	1,080
22.....	450	15,500	6,020	9,420	3,460	10,800	1,540	62,900	750	438	3,010	1,320
23.....	850	12,800	5,470	10,500	3,940	8,700	1,340	46,800	750	420	2,570	1,760
24.....	800	9,780	4,940	7,340	5,910	7,340	1,200	38,600	720	420	2,080	1,270
25.....	900	8,700	5,470	6,570	5,470	6,900	1,020	33,100	680	405	1,340	1,080
26.....	850	4,340	6,020	5,140	5,360	6,900	900	25,400	640	405	760	1,020
27.....	655	3,840	6,460	4,840	4,640	6,570	900	17,300	600	405	680	1,020
28.....	610	9,060	7,230	6,790	4,840	5,690	900	11,500	560	405	640	1,020
29.....	565	8,220	8,580	9,780	-----	5,140	900	7,450	525	405	560	1,020
30.....	655	6,900	10,300	10,600	-----	4,440	900	4,940	460	405	525	1,020
31.....	800	-----	8,820	7,340	-----	3,840	-----	3,840	-----	405	525	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	2,080	450	801	0.178	0.21
November.....	34,400	1,920	12,200	2.72	3.04
December.....	10,300	3,190	6,360	1.42	1.64
January.....	10,600	4,640	7,190	1.60	1.84
February.....	15,800	3,460	7,220	1.61	1.68
March.....	24,600	3,190	10,700	2.38	2.74
April.....	14,300	900	3,940	.878	.98
May.....	75,300	655	17,100	3.81	4.39
June.....	3,550	490	1,230	.274	.31
July.....	490	405	1,450	.100	.12
August.....	3,190	238	981	.207	.24
September.....	1,920	438	859	.191	.21
The year.....	75,300	238	5,750	1.28	17.40

TOMBIGBEE RIVER NEAR COATOPA, ALA.

LOCATION.—Chain gage in T. 17 N., R. 1 E., 2 miles above Sucarnoochee Creek and 5 miles southeast of Coatopa.

DRAINAGE AREA.—15,500 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 164,000 second-feet Nov. 22 (gage height, 50.19 feet); minimum, 650 second-feet Aug. 10 (gage height, 2.64 feet).

1928-1930: Maximum discharge, 179,000 second-feet Mar. 29, 1929 (gage height, 51.44 feet); minimum, that of Aug. 10, 1930.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	3,720	5,800	85,500	35,600	48,600	17,000	17,400	4,420	81,600	2,290	1,850	1,630
2.....	3,500	9,960	73,200	33,800	45,400	20,700	16,600	4,180	72,300	2,400	1,500	1,850
3.....	3,060	13,300	62,300	33,800	40,700	22,700	24,800	3,940	58,300	2,290	1,520	1,850
4.....	2,510	18,500	54,000	35,500	38,400	19,600	31,900	9,940	44,400	3,060	1,520	2,290
5.....	2,620	26,400	48,800	37,200	41,000	16,100	36,100	3,720	33,200	3,280	1,630	1,960
6.....	2,840	31,200	44,000	37,300	44,300	13,700	39,900	3,500	17,400	3,060	1,500	1,850
7.....	4,680	32,700	38,700	35,900	47,500	26,600	41,300	3,500	12,800	2,840	1,410	1,850
8.....	7,060	30,700	33,800	32,300	49,800	42,300	40,400	3,500	18,100	2,840	1,300	1,850
9.....	7,940	25,800	28,600	27,400	50,400	51,000	36,600	3,280	17,400	2,510	800	1,740
10.....	6,740	18,500	26,000	23,200	49,000	57,800	29,400	7,060	13,000	1,960	690	1,520
11.....	5,500	11,900	25,400	21,200	45,100	65,000	20,500	13,900	10,400	1,960	1,260	1,740
12.....	4,420	26,800	24,000	19,600	39,600	71,300	15,000	18,100	8,480	1,850	1,080	2,620
13.....	3,940	43,500	21,600	18,100	33,700	75,300	13,000	19,000	7,360	1,960	1,150	5,220
14.....	3,280	57,500	19,400	16,600	26,400	77,500	12,100	19,000	6,100	2,070	1,630	6,420
15.....	2,620	72,900	17,400	16,600	21,200	78,300	11,400	20,500	6,100	1,960	2,180	6,100
16.....	2,730	83,700	16,300	17,900	19,400	77,200	10,900	23,200	5,220	1,520	3,060	6,100
17.....	2,730	92,300	16,300	20,100	18,500	72,900	10,400	24,800	4,940	1,630	3,280	4,940
18.....	2,620	102,000	21,600	21,600	17,000	65,900	9,960	32,700	4,420	1,960	4,680	3,940
19.....	2,400	122,000	31,800	21,800	15,700	56,400	9,000	41,100	4,180	1,740	6,100	3,060
20.....	2,290	143,000	37,200	20,100	14,600	47,800	8,480	49,800	3,940	1,850	8,220	2,510
21.....	2,290	158,000	39,900	17,000	13,900	43,700	8,220	58,300	3,720	1,300	9,960	3,060
22.....	3,060	164,000	41,300	23,800	13,300	42,100	7,660	66,200	3,720	1,430	9,000	4,420
23.....	5,800	160,000	41,300	32,800	13,500	41,000	7,060	75,000	3,720	1,120	7,660	7,660
24.....	8,740	154,000	39,700	36,600	13,700	39,200	6,100	82,400	3,280	1,190	6,420	7,360
25.....	8,220	146,000	36,900	37,600	14,100	35,900	5,800	87,900	2,840	2,180	4,420	6,100
26.....	6,740	131,000	34,200	36,200	15,000	32,300	5,220	91,800	2,620	3,060	3,720	4,680
27.....	5,500	122,000	32,700	32,800	15,500	29,000	4,940	94,400	2,620	3,280	3,060	4,180
28.....	4,420	116,000	32,800	31,200	15,700	28,600	4,680	95,400	2,510	3,280	2,510	3,720
29.....	3,500	106,000	34,200	37,700	28,400	28,400	4,940	95,400	2,180	2,510	1,960	3,720
30.....	3,940	96,000	35,200	44,800	24,800	24,800	4,680	92,800	2,290	2,180	1,740	3,940
31.....	3,940	-----	36,100	49,400	-----	20,700	-----	87,900	-----	2,180	1,850	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	8,740	2,290	4,300	0.277	0.32
November.....	164,000	5,800	77,400	4.99	5.57
December.....	85,500	16,300	36,500	2.35	2.71
January.....	49,400	16,600	29,200	1.88	2.17
February.....	50,400	13,300	29,300	1.89	1.97
March.....	78,300	13,700	43,300	2.79	3.22
April.....	41,300	4,680	16,500	1.06	1.13
May.....	95,400	3,280	39,700	2.56	2.95
June.....	81,600	2,180	15,300	.987	1.10
July.....	3,280	1,120	2,220	.143	.16
August.....	9,960	690	3,180	.205	.24
September.....	7,660	1,520	3,660	.236	.26
The year.....	164,000	690	25,000	1.61	21.85

TOMBIGBEE RIVER NEAR LEROY, ALA.

LOCATION.—Staff gage just above lock 1 in T. 7 N., on St. Stephens meridian, 6 miles northwest of Leroy. Zero of gage 4.69 feet below mean sea level.

DRAINAGE AREA.—19,100 square miles.

RECORDS AVAILABLE.—October, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 149,000 second-feet Nov. 28, 29 (gage height, 43.0 feet); minimum not determined.

1928-1930: Maximum discharge, 190,000 second-feet Apr. 2, 1929 (gage height, 46.0 feet); minimum (estimated), 50 second-feet Sept. 2 (leakage through flashboards).

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	7,870	7,870	134,000	38,400	57,800	23,100	29,800	6,050	82,100	3,090		3,400
2.....	6,940	9,850	125,000	38,400	58,800	27,800	26,700	6,050	82,100	3,090		3,400
3.....	6,050	14,200	118,000	38,400	58,200	33,000	25,600	5,630	82,100	3,730		3,400
4.....	5,220	20,500	110,000	38,400	56,800	33,000	28,800	5,630	79,800			3,400
5.....	5,220	23,400	99,300	38,400	55,300	29,800	31,900	5,220	75,100			3,400
6.....	6,050	26,200	88,100	38,800	54,400	25,900	35,500	6,220	64,000			3,400
7.....	6,940	28,300	75,100	39,400	54,400	24,500	39,400	4,830	49,900			3,400
8.....	8,350	29,800	67,300	39,100	55,300	29,400	41,800	4,830	37,400			3,400
9.....	9,850	29,800	57,200	36,800	56,300	38,400	42,900	4,450	30,400			3,400
10.....	10,900	27,300	48,200	33,000	57,200	46,600	41,500	4,830	25,100			3,400
11.....	9,850	23,400	42,600	29,800	58,200	52,600	36,800	8,350	18,600			3,400
12.....	8,840	22,100	37,100	26,700	57,200	57,200	30,900	16,000	13,700		4,350	3,560
13.....	7,870	26,700	33,900	24,000	53,500	62,400	25,100	20,100	11,400			4,450
14.....	6,940	34,200	28,800	22,500	47,400	66,200	19,600	21,000	9,850			7,400
15.....	6,050	48,200	27,300	21,400	41,500	68,400	16,500	21,400	8,840			8,840
16.....	5,220	57,800	24,200	21,000	37,100	71,400	15,400	22,100	7,870			8,840
17.....	5,220	64,500	22,800	21,400	33,000	73,800	14,200	23,100	6,940	3,220		7,870
18.....	4,830	70,200	24,500	22,800	29,600	75,100	13,100	24,500	6,490			7,400
19.....	4,450	73,800	29,400	23,400	26,700	77,000	12,000	28,600	6,050			6,940
20.....	4,450	78,400	33,600	24,000	23,700	76,400	11,400	34,200	5,630			7,870
21.....	4,830	82,100	37,400	23,700	21,400	72,600	10,900	41,500	5,220			10,400
22.....	4,830	89,000	40,100	25,400	19,600	67,800	9,850	47,400	4,830			8,840
23.....	5,630	97,100	43,600	29,400	19,600	62,900	8,840	52,600	4,450			8,840
24.....	8,840	113,000	44,400	33,000	19,600	59,200	8,350	58,200	4,450		9,850	9,340
25.....	10,900	128,000	45,100	36,200	19,600	54,400	7,870	62,400	4,080		8,840	9,340
26.....	10,900	141,000	43,600	38,100	19,600	49,900	7,400	66,700	4,080		7,870	8,840
27.....	9,850	148,000	41,200	38,100	20,500	46,600	7,400	70,200	3,730		6,050	8,840
28.....	8,840	149,000	39,400	37,400	21,400	44,400	6,940	72,600	3,400		5,220	7,400
29.....	8,840	148,000	38,400	39,100		40,100	6,490	75,800	3,090		4,640	6,490
30.....	7,870	141,000	38,100	47,800		37,400	6,050	78,400	3,090		3,900	6,050
31.....	7,870		38,100	53,500		34,200		80,500			3,400	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	10,900	4,450	7,300	0.382	0.44
November.....	149,000	7,870	65,100	3.41	3.81
December.....	134,000	22,800	54,100	2.83	3.26
January.....	53,500	21,000	32,800	1.72	1.98
February.....	58,800	19,600	40,500	2.12	2.21
March.....	77,000	23,100	50,400	2.64	3.04
April.....	42,900	6,050	20,600	1.08	1.20
May.....	80,500	4,450	31,600	1.65	1.90
June.....	82,100	3,090	24,800	1.30	1.45
July.....			3,230	.169	.19
August.....			4,830	.253	.29
September.....	10,400	3,400	6,160	.323	.36
The year.....	149,000		28,300	1.48	20.13

BUTTAHATCHIE RIVER NEAR CALEDONIA, MISS.

LOCATION.—Staff gage at highway bridge 2 miles northwest of Caledonia, Lowndes County, and 12 miles above mouth.

DRAINAGE AREA.—830 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 29,600 second-feet Nov. 15 (gage height, 17.36 feet); minimum, 129 second-feet Aug. 12 (gage height, 2.50 feet), 1928-1930: Maximum discharge, that of Nov. 15, 1929; minimum discharge, 115 second-feet Sept. 2, 1929; minimum gage height, 2.50 feet Aug. 12, 1930.

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1-----	235	940	1,800	1,450	1,120	1,010	940	460	870	215	155	272
2-----	215	1,010	1,700	1,400	1,080	1,120	940	435	765	215	145	298
3-----	215	1,280	1,700	1,500	1,040	1,080	1,450	435	670	272	145	322
4-----	205	1,750	2,040	1,800	1,500	1,010	1,980	435	640	298	145	285
5-----	225	2,100	2,040	1,860	2,100	905	2,220	410	580	235	135	248
6-----	285	1,980	1,920	1,600	2,700	1,010	2,280	410	550	215	135	225
7-----	520	1,160	1,700	1,450	3,250	1,860	1,800	385	580	205	145	215
8-----	490	905	1,860	1,360	3,330	2,490	1,400	410	580	225	145	205
9-----	360	765	2,100	1,320	2,560	3,410	1,200	580	520	195	135	195
10-----	310	700	2,350	1,320	1,860	4,450	1,080	765	460	195	145	205
11-----	272	905	2,040	1,240	1,600	4,350	975	800	435	195	133	205
12-----	248	1,160	1,800	1,160	1,400	3,010	940	730	410	205	131	215
13-----	225	3,950	1,600	1,080	1,320	2,630	870	730	385	195	155	272
14-----	225	5,200	1,450	1,120	1,280	2,280	835	1,240	385	185	155	335
15-----	225	20,200	1,360	1,120	1,280	1,800	800	1,750	385	185	215	272
16-----	225	22,900	1,280	1,120	1,240	1,550	765	2,040	360	175	335	248
17-----	225	13,500	1,280	1,080	1,160	1,400	730	1,700	360	175	550	235
18-----	215	8,890	1,550	975	1,080	1,280	700	2,770	335	165	835	215
19-----	215	7,010	2,160	940	1,010	1,500	670	4,760	335	165	1,160	215
20-----	215	5,930	2,490	1,080	1,010	1,860	640	6,590	335	165	1,600	215
21-----	235	5,090	2,700	975	940	2,350	610	14,500	310	165	1,860	435
22-----	248	4,350	2,350	1,200	905	2,280	580	9,890	285	155	1,080	410
23-----	335	3,500	1,860	1,400	1,010	1,800	580	6,590	272	155	580	490
24-----	385	2,700	1,700	1,320	1,080	1,500	550	4,650	260	165	435	335
25-----	322	2,420	1,650	1,120	1,120	1,360	520	3,250	248	155	385	285
26-----	272	2,350	1,550	1,040	1,010	1,360	520	2,700	248	155	335	272
27-----	272	2,280	1,550	1,080	975	1,450	490	2,350	235	215	310	360
28-----	285	2,420	1,650	1,200	1,010	1,240	490	1,600	225	248	298	700
29-----	298	2,560	1,650	1,400	-----	1,120	490	1,200	215	195	260	490
30-----	435	2,280	1,750	1,400	-----	1,040	460	1,080	205	175	248	335
31-----	670	-----	1,600	1,200	-----	975	-----	975	-----	165	248	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October-----	670	205	294	0.354	0.41
November-----	22,900	700	4,410	5.31	5.92
December-----	2,700	1,280	1,810	2.18	2.51
January-----	1,860	940	1,270	1.53	1.76
February-----	3,330	905	1,460	1.76	1.83
March-----	4,450	905	1,820	2.19	2.52
April-----	2,280	460	950	1.14	1.27
May-----	14,500	385	2,470	2.98	3.44
June-----	870	205	415	.500	.56
July-----	298	155	194	.234	.27
August-----	1,860	131	411	.495	.57
September-----	700	195	300	.361	.40
The year-----	22,900	131	1,310	1.58	21.46

TIBBEE RIVER NEAR TIBBEE, MISS.

LOCATION.—Chain gage at Mobile & Ohio Railroad bridge 1 mile north of Tibbee, Clay County.

DRAINAGE AREA.—943 square miles.

RECORDS AVAILABLE.—August, 1928, to August, 1930 (discontinued).

EXTREMES.—Maximum discharge during year, 25,000 second-feet May 20 (gage height, 28.71 feet); no flow for several days during October, July, and August. 1928-1930: Maximum discharge, 25,000 second-feet Mar. 24, 1929, May 20, 1930 (gage height, 28.71 feet); no flow for several days during each year.

RECORDS.—Records good except those for medium and high stages, which are fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	2.4	464	316	805	700	932	180	29	114	0.8	0.8
2	.8	620	721	680	482	1,310	482	29	89	.8	.5
3	0	1,110	1,220	1,760	410	932	1,940	26	73	.6	.4
4	.5	954	1,410	2,810	1,910	500	5,600	23	62	.8	.2
5	1.6	316	826	2,300	4,200	346	6,800	22	54	.6	0
6	40	123	410	976	4,550	763	5,500	19	48	.5	0
7	85	69	482	540	4,120	5,000	2,550	16	41	.5	0
8	31	54	1,460	540	2,400	9,600	900	19	41	.4	0
9	9.5	36	2,160	1,060	900	5,300	378	540	41	1.0	0
10	2.8	33	1,910	1,090	520	2,320	260	5,000	33	2.6	0
11	1.0	500	1,020	680	394	1,320	212	10,900	26	2.0	0
12	.9	1,360	560	482	346	2,400	180	7,200	24	.9	0
13	.8	3,000	428	362	316	2,600	160	3,400	22	.8	0
14	.8	4,500	330	346	446	1,450	150	3,200	18	.6	0
15	.4	8,600	288	1,380	721	1,000	132	5,300	14	.5	1.8
16	0	10,100	236	2,540	580	889	114	4,300	13	0	2.8
17	0	7,200	212	3,160	520	600	101	2,940	12	0	224
18	0	3,500	446	1,410	378	540	89	8,100	23	.1	346
19	.5	2,380	1,460	520	302	1,440	85	21,000	69	0	330
20	0	1,800	2,380	302	260	3,010	77	23,700	31	.5	190
21	.5	1,120	1,410	910	236	4,040	62	17,500	18	.3	97
22	36	600	560	2,500	212	3,060	54	12,300	11	0	54
23	51	1,040	428	4,040	482	1,130	51	6,500	7.5	0	28
24	28	1,200	446	2,460	1,480	620	49	2,700	5.4	.1	20
25	26	998	640	932	1,510	428	45	1,200	3.4	19	6.6
26	1.8	1,110	1,020	500	763	446	42	302	2.4	14	4.2
27	1.2	1,640	1,670	600	640	620	38	190	2.2	10	2.4
28	1.0	1,880	1,850	1,790	620	362	36	160	1.6	8.0	1.2
29	1.8	1,240	2,460	3,060	-----	288	35	141	.8	6.2	.8
30	40	580	2,810	3,640	-----	248	31	141	.7	2.0	.8
31	123	-----	1,820	2,050	-----	212	-----	200	-----	.9	.8

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	123	0	15.8	0.017	0.02
November	10,100	33	1,940	2.06	2.30
December	2,810	212	1,080	1.15	1.33
January	4,040	302	1,490	1.58	1.82
February	4,550	212	1,090	1.16	1.21
March	9,600	212	1,730	1.83	2.11
April	6,800	31	878	.931	1.04
May	23,700	16	4,420	4.69	5.41
June	114	.7	30.0	.032	.04
July	19	0	2.40	.0025	.003
August	346	0	42.3	.045	.05

LUXAPALILA CREEK NEAR COLUMBUS, MISS.

LOCATION.—Chain gage at highway bridge $3\frac{1}{2}$ miles northeast of Columbus, Lowndes County, and $6\frac{1}{4}$ miles above mouth.

DRAINAGE AREA.—726 square miles.

RECORDS AVAILABLE.—August, 1928, to August, 1930 (discontinued).

EXTREMES.—Maximum discharge during year, 17,500 second-feet Nov. 15 (gage height, 22.60 feet); minimum, 23 second-feet Aug. 11 (gage height, 2.27 feet).

1928-1930: Maximum discharge, that of Nov. 15, 1930; minimum, 14 second-feet Sept. 2, 1929 (gage height, 1.94 feet).

REMARKS.—Records good for low stages and fair for medium and high stages.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1.....	113	1,320	1,200	1,200	890	660	660	241	547	93	57
2.....	99	1,120	1,280	1,200	820	660	690	253	466	93	50
3.....	85	1,240	1,820	1,500	785	660	2,000	241	414	126	42
4.....	85	1,280	2,090	1,860	1,160	631	4,140	218	363	120	24
5.....	162	1,240	1,640	1,500	2,330	574	3,780	218	338	130	28
6.....	602	965	1,320	1,200	2,580	1,420	2,530	206	338	105	38
7.....	820	690	1,200	1,080	2,000	8,430	2,090	195	338	91	59
8.....	493	574	1,420	1,080	1,640	13,200	1,730	218	440	81	40
9.....	313	466	1,600	1,000	1,460	7,490	1,370	265	388	91	34
10.....	230	414	1,550	965	1,280	4,200	1,080	785	338	117	30
11.....	184	493	1,320	890	1,120	3,230	855	925	301	99	26
12.....	143	1,550	1,160	820	965	2,980	750	720	277	97	30
13.....	136	3,830	1,120	785	820	2,630	690	602	241	83	34
14.....	126	9,070	1,000	750	855	2,000	602	1,280	218	93	40
15.....	115	16,000	925	820	855	1,640	574	2,040	206	117	72
16.....	113	11,800	855	855	820	1,500	520	1,600	206	87	83
17.....	122	9,200	890	820	785	1,370	493	1,240	173	91	241
18.....	101	5,700	1,370	720	720	1,160	466	2,280	195	76	277
19.....	109	3,800	1,960	660	690	1,730	440	8,750	184	61	440
20.....	113	2,800	2,090	631	631	2,380	414	14,500	184	59	690
21.....	113	2,100	1,780	750	602	2,090	388	10,800	173	59	690
22.....	109	1,600	1,460	1,240	574	1,640	363	6,600	151	85	547
23.....	162	1,600	1,320	1,730	690	1,370	338	3,900	140	63	440
24.....	173	1,700	1,320	1,420	855	1,240	313	2,600	132	59	289
25.....	162	1,500	1,280	1,120	820	1,200	301	1,800	115	61	184
26.....	147	1,400	1,240	1,000	750	1,240	313	1,300	103	124	130
27.....	132	1,860	1,370	965	720	1,160	289	900	105	151	115
28.....	147	1,960	1,500	1,120	660	965	277	800	97	117	103
29.....	162	1,680	1,600	1,240	-----	855	277	690	91	87	91
30.....	301	1,370	1,600	1,160	-----	820	265	602	91	93	97
31.....	690	-----	1,370	965	-----	720	-----	574	-----	72	93

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	820	85	212	0.292	0.34
November.....	16,000	414	3,010	4.15	4.63
December.....	2,090	855	1,410	1.94	2.24
January.....	1,860	631	1,070	1.47	1.70
February.....	2,580	574	1,080	1.42	1.48
March.....	13,200	574	2,320	3.20	3.69
April.....	4,140	265	967	1.33	1.48
May.....	14,500	195	2,170	2.99	3.45
June.....	547	91	245	.337	.38
July.....	151	59	92.9	.128	.15
August.....	690	24	165	.227	.26

SIPSEY RIVER NEAR ELROD, ALA.

LOCATION.—Chain gage in T. 21 S., R. 12 W. Huntsville meridian, at Mobile & Ohio Railroad bridge $1\frac{1}{2}$ miles east of Elrod.

DRAINAGE AREA.—515 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 15,500 second-feet Nov. 17 (gage height, 14.10 feet); minimum, 41 second-feet Aug. 10 (gage height, 0.51 foot).

1928-1930: Maximum discharge, that of Nov. 17, 1929; minimum, 30 second-feet Aug. 24, 1929 (gage height, 0.44 foot).

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	112	400	1,440	1,180	1,140	553	880	216	975	86	62	71
2	104	517	1,440	1,240	1,090	544	785	200	830	104	58	74
3	104	535	1,440	1,300	1,050	535	805	192	614	90	52	90
4	136	553	1,300	1,240	1,090	526	830	184	490	86	48	97
5	184	591	1,180	1,240	1,140	499	805	176	409	80	48	97
6	216	614	1,300	1,300	1,090	472	805	160	346	80	45	97
7	274	656	1,240	1,300	1,050	765	880	160	627	77	43	90
8	355	707	1,300	1,240	1,010	1,300	1,050	152	940	71	43	77
9	319	765	1,300	1,300	1,050	5,070	1,300	176	975	68	43	68
10	283	830	1,300	1,240	1,050	5,070	1,510	283	910	65	41	65
11	256	1,090	1,240	1,180	1,180	3,710	1,440	400	562	65	58	97
12	200	1,900	1,240	1,050	1,300	4,010	1,360	436	400	62	192	104
13	136	2,030	1,140	1,050	1,300	3,170	1,360	418	310	58	144	112
14	120	6,670	1,090	975	1,300	2,510	1,180	436	274	62	104	152
15	104	6,670	1,050	910	1,180	2,030	855	517	240	62	104	168
16	97	8,390	1,010	880	1,140	1,780	707	553	232	60	97	192
17	90	14,000	1,010	830	975	1,590	581	562	250	60	208	216
18	90	12,100	1,010	805	830	1,440	508	805	240	58	436	224
19	83	7,930	1,050	765	745	1,440	463	1,680	216	58	508	160
20	83	5,070	1,050	725	656	1,440	418	3,710	200	58	535	136
21	86	2,330	1,050	745	614	1,300	382	5,070	184	65	535	224
22	104	2,330	1,090	765	581	1,240	355	10,200	160	90	490	364
23	136	3,430	1,180	785	544	1,240	319	8,390	144	90	391	481
24	168	3,430	1,360	805	535	1,140	301	5,450	136	97	240	427
25	168	2,330	1,510	830	526	1,180	274	3,710	120	128	160	373
26	136	2,170	1,590	855	526	1,300	265	2,510	120	160	120	256
27	128	2,030	1,680	940	544	1,240	256	2,030	104	112	97	208
28	128	1,780	1,780	1,180	544	1,180	240	1,680	97	90	80	192
29	144	1,590	1,510	1,300	-----	1,090	232	1,510	90	104	77	208
30	200	1,440	1,440	1,240	-----	1,010	216	1,360	86	97	71	184
31	274	-----	1,240	1,180	-----	940	-----	1,240	-----	80	71	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	355	86	162	0.314	0.36
November	14,000	400	3,160	6.14	6.85
December	1,780	1,010	1,280	2.49	2.87
January	1,300	725	1,050	2.04	2.35
February	1,300	523	921	1.79	1.86
March	5,070	472	1,660	3.22	3.71
April	1,510	216	712	1.38	1.54
May	10,200	152	1,760	3.42	3.94
June	975	86	378	.734	.82
July	160	58	81.3	.158	.18
August	535	41	168	.326	.38
September	481	65	177	.344	.38
The year	14,000	41	957	1.86	25.24

NOXUBEE RIVER AT MACON, MISS.

LOCATION.—Chain gage in T. 15 N., R. 17 E. Choctaw meridian, in Macon.

DRAINAGE AREA.—812 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 10,200 second-feet May 20 (gage height, 29.58 feet); minimum, 46 second-feet Aug. 9 (gage height, 2.57 feet).

1928-1930: Maximum discharge, that of May 20, 1930; minimum, 40 second-feet Sept. 29, 30, 1928 (gage height, 2.42 feet).

Maximum stage known, 31.5 feet in July, 1892.

REMARKS.—Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	50	135	651	1,100	1,530	575	335	89	222	59	56	89
2.....	50	247	913	1,400	1,060	499	407	99	188	59	59	116
3.....	53	389	1,440	1,490	710	* 450	443	76	180	62	62	94
4.....	62	518	1,280	1,400	2,320	* 400	730	76	172	65	59	72
5.....	65	407	955	1,060	2,900	* 375	730	76	172	68	56	76
6.....	68	317	892	871	2,930	* 2,000	632	76	135	72	56	76
7.....	76	230	790	810	2,950	3,680	537	196	128	68	53	68
8.....	84	180	690	594	2,290	3,730	389	335	122	65	48	68
9.....	104	222	480	480	1,800	3,730	317	1,640	116	62	46	56
10.....	128	443	461	443	1,480	3,640	281	3,180	110	59	48	94
11.....	104	1,480	443	443	730	3,530	230	2,900	94	56	50	135
12.....	72	3,130	425	407	518	3,820	222	2,750	89	56	53	204
13.....	65	3,380	407	371	461	3,730	196	3,130	84	53	56	* 467
14.....	59	4,650	335	371	425	2,420	180	3,350	80	53	84	730
15.....	53	4,710	299	389	407	1,980	172	3,360	80	53	537	461
16.....	50	4,680	281	443	389	1,100	164	3,450	80	53	204	443
17.....	56	4,680	299	556	389	913	156	4,020	80	53	204	196
18.....	53	3,440	407	710	371	850	135	4,880	76	53	204	122
19.....	53	3,150		810	335	1,210	128	9,050	76	53	204	99
20.....	53	2,430		934	317	1,350	128	10,100	76	50	335	84
21.....	53	1,320	* 850	1,260	299	1,080	122	7,950	76	50	196	110
22.....	50	1,210		* 2,000	281	1,210	110	6,500	80	48	72	104
23.....	50	1,190		* 2,500	247	1,130	94	5,530	72	* 164	68	89
24.....	48	1,400		2,280	264	976	89	4,950	68	281	68	80
25.....	48	1,400	955	1,770	425	913	84	4,270	68	247	65	76
26.....	50	1,770	1,240	2,080	556	871	84	3,320	68	99	65	76
27.....	53	1,770	1,610	2,490	575	790	84	1,320	62	84	59	72
28.....	62	1,350	1,850	2,830	632	750	80	556	62	72	56	72
29.....	76	934	1,700	2,830			80	335	59	72	53	68
30.....	84	850	1,440	2,850		425	76	299	59	68	53	62
31.....	99		1,240	1,890		407		247		62	62	

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	128	48	65.5	0.081	0.09
November.....	4,710	135	1,730	2.13	2.38
December.....	1,850	281	858	1.06	1.22
January.....	2,850	371	1,290	1.59	1.83
February.....	2,950	247	985	1.21	1.26
March.....	3,820	375	1,580	1.95	2.25
April.....	730	76	247	.30	.34
May.....	10,100	76	2,840	3.50	4.04
June.....	222	59	101	.12	.14
July.....	281	48	78.0	.09	.11
August.....	537	46	106	.13	.15
September.....	730	56	152	.18	.21
The year.....	10,100	46	838	1.03	14.02

* Estimated.

MULBERRY FORK OF BLACK WARRIOR RIVER NEAR GARDEN CITY, ALA.

LOCATION.—Chain gage in T. 12 S., R. 2 W. Huntsville meridian, 1,000 feet below Louisville & Nashville Railroad and 1 mile southwest of Garden City.

DRAINAGE AREA.—365 square miles.

RECORDS AVAILABLE.—June, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 30,400 second-feet Nov. 14 (gage height, 17.96 feet); minimum, 8 second-feet Aug. 7-9 (gage height, 2.01 feet).

1928-1930: Maximum discharge, that of Nov. 14, 1928; minimum, 4.6 second-feet Sept. 2, 3, 1929 (gage height, 1.98 feet).

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	102	490	745	815	565	280	390	72	242	628	12	10
2.....	78	2,650	1,160	1,510	540	256	390	69	204	465	11	9
3.....	57	4,390	1,240	1,790	565	228	1,700	65	181	130	11	9
4.....	43	2,310	1,000	1,160	2,640	218	1,040	64	172	69	10	9
5.....	174	1,510	920	1,080	2,200	218	815	62	163	46	10	9
6.....	563	1,160	850	960	1,510	3,160	680	57	1,160	33	9	9
7.....	260	920	745	885	1,240	11,100	565	50	920	29	8	9
8.....	166	780	1,160	780	1,040	4,560	515	104	300	26	8	9
9.....	130	650	780	680	885	2,200	440	99	218	24	8	9
10.....	102	565	745	590	745	1,600	390	108	184	22	10	9
11.....	89	1,000	710	540	680	1,790	345	95	152	16	55	11
12.....	76	2,530	680	515	620	1,240	322	82	133	14	23	75
13.....	67	12,000	590	490	590	1,040	300	87	117	15	16	60
14.....	57	27,100	565	515	620	885	280	155	104	291	44	34
15.....	48	14,300	540	1,000	515	745	246	150	95	89	20	22
16.....	42	5,290	515	620	465	680	236	110	91	42	50	14
17.....	37	6,690	2,030	540	440	650	218	186	83	21	112	10
18.....	36	4,560	2,650	540	390	650	197	1,270	76	18	1,110	10
19.....	34	2,770	2,310	490	368	1,510	178	12,800	70	16	194	986
20.....	30	2,090	1,690	440	345	1,160	155	3,890	64	13	80	280
21.....	2,230	1,600	1,330	590	322	885	150	2,090	58	12	124	322
22.....	1,000	1,600	1,240	885	300	780	142	1,690	49	12	58	126
23.....	565	1,690	1,080	745	345	710	135	2,090	44	14	25	70
24.....	390	1,330	920	710	322	650	128	2,310	40	477	20	49
25.....	300	1,240	850	680	300	1,240	112	1,600	37	440	17	29
26.....	256	1,790	920	650	280	850	102	1,160	33	124	16	49
27.....	228	1,510	920	650	280	650	97	590	27	52	14	104
28.....	208	1,330	1,240	745	280	590	93	440	22	33	12	85
29.....	204	1,080	885	620	-----	540	89	415	20	22	10	60
30.....	280	885	1,040	590	-----	490	83	300	23	16	10	34
31.....	515	-----	960	565	-----	440	-----	280	-----	14	10	-----
Month				Maximum	Minimum	Mean	Per square mile	Run-off in inches				
October.....				2,230	30	270	0.740	0.85				
November.....				27,100	490	3,590	9.84	10.98				
December.....				2,650	515	1,060	2.90	3.34				
January.....				1,790	440	754	2.07	2.39				
February.....				2,640	280	693	1.90	1.98				
March.....				11,100	218	1,350	3.70	4.27				
April.....				1,700	83	351	.962	1.07				
May.....				12,800	50	1,050	2.88	3.32				
June.....				1,160	20	169	.463	.52				
July.....				628	12	104	.285	.33				
August.....				1,110	8	68.3	.187	.22				
September.....				986	9	84.0	.230	.26				
The year.....				27,100	8	794	2.18	29.53				

BLACK WARRIOR RIVER AT LOCK 17, NEAR BESSEMER, ALA.

LOCATION.—Staff gage in T. 18 S., R. 8 W. Huntsville meridian, $1\frac{1}{2}$ miles below Big Yellow Creek and 23 miles west of Bessemer. Zero of gage 173.11 feet above mean sea level.

DRAINAGE AREA.—3,980 square miles.

RECORDS AVAILABLE.—June, 1928, to September, 1930.

EXTREMES.—

1928-1930: Maximum discharge, about 133,000 second-feet Nov. 15, 1929; minimum (gage height, 79.94 feet) not sufficiently accurate to warrant publication.

Maximum stage known, 80.3 feet July 9, 1916.

REMARKS.—Records poor. Daily discharge not sufficiently accurate to warrant publication. Flow regulated by storage above Lock and Dam 17. Records do not include leaks, which amount to about 15 second-feet.

Monthly discharge, in second-feet, 1929-30

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	7,780	320	1,710	0.430	0.50
November.....	133,000	3,800	32,600	8.19	9.14
December.....	28,800	3,630	10,000	2.51	2.89
January.....	15,400	3,140	7,410	1.86	2.14
February.....	26,400	2,230	6,820	1.71	1.78
March.....	81,400	2,010	13,600	3.42	3.94
April.....	23,400	830	4,130	1.04	1.16
May.....	71,800	584	9,840	2.47	2.84
June.....	3,680	300	1,090	.274	.31
July.....	1,300	134	432	.109	.13
August.....	5,900	82	800	.201	.23
September.....	7,380	134	1,190	.299	.33
The year.....	133,000	82	7,450	1.87	25.39

BLACK WARRIOR RIVER AT TUSCALOOSA, ALA.

LOCATION.—Staff gage in T. 21 S., R. 10 W. Huntsville meridian, at Lock 10 in Tuscaloosa. Zero of gage 82.97 feet above mean sea level.

DRAINAGE AREA.—4,830 square miles.

RECORDS AVAILABLE.—January, 1889, to December, 1905; August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 166,000 second-feet Nov. 15 (gage height, 65.10 feet); minimum, 145 second-feet Aug. 10 (gage height, 18.56 feet).

1889-1905, 1928-1930: Maximum discharge, 215,000 second-feet Apr. 18, 1900 (gage height, 67.7 feet, present datum); minimum (estimated), 50 second-feet Aug. 26, 1929 (gage height, 18.22 feet).

REMARKS.—Monthly records good; daily records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1,100	7,260	9,000	10,000	9,620	3,830	5,430	1,110	3,440	453	485	621
2.....	758	8,010	7,400	9,180	9,620	3,830	4,780	1,110	2,720	1,410	333	881
3.....	573	25,700	14,900	16,400	8,950	3,250	16,300	1,030	2,260	1,610	373	706
4.....	669	33,700	14,600	18,600	19,500	3,250	28,200	1,020	2,120	1,130	323	485
5.....	1,510	23,600	11,200	13,600	29,200	3,070	19,500	1,000	1,620	866	245	433
6.....	4,600	17,800	9,620	11,300	25,600	30,000	13,700	939	14,500	706	263	333
7.....	4,780	10,100	8,720	9,400	19,800	94,000	8,950	939	10,400	597	245	363
8.....	3,250	7,510	8,260	8,500	16,500	97,800	8,010	924	6,510	496	191	363
9.....	1,980	6,260	8,260	7,760	11,500	61,500	6,760	1,170	4,750	463	173	403
10.....	1,510	5,110	7,760	7,010	9,400	32,400	6,000	2,560	3,070	453	159	433
11.....	1,170	26,000	7,010	6,510	7,760	19,400	5,430	1,980	2,260	373	485	1,730
12.....	939	54,200	6,760	6,000	7,260	14,300	4,780	1,620	1,860	353	393	6,000
13.....	810	69,000	6,510	5,730	6,760	12,000	4,420	2,410	1,620	413	363	4,220
14.....	758	133,000	6,000	5,430	6,760	10,300	4,030	4,220	1,410	343	433	2,120
15.....	681	165,000	6,000	6,260	6,510	9,400	3,830	3,440	1,270	343	1,000	1,510
16.....	597	155,000	5,430	6,510	6,000	8,000	3,630	3,070	1,310	413	1,980	1,020
17.....	507	128,000	12,700	6,510	5,430	7,760	3,250	4,420	1,170	496	4,030	719
18.....	507	97,000	31,700	6,000	5,110	7,260	2,890	23,400	1,050	443	6,260	633
19.....	507	64,200	31,300	5,430	4,780	12,100	2,720	64,500	984	433	7,010	669
20.....	529	34,600	25,200	5,430	4,420	19,000	2,410	56,000	896	423	5,730	1,620
21.....	3,440	21,400	20,400	6,510	4,220	14,500	2,120	63,800	797	403	2,720	6,000
22.....	7,510	15,100	17,600	12,500	4,030	10,800	1,980	34,500	706	353	1,510	6,260
23.....	7,510	12,500	13,500	14,000	4,220	9,180	1,860	19,700	669	433	1,000	3,250
24.....	5,430	11,500	11,100	12,700	4,220	8,010	1,620	13,600	551	810	797	1,860
25.....	3,440	10,500	9,620	10,000	4,220	8,010	1,620	11,100	443	2,260	693	1,310
26.....	2,120	10,200	9,180	8,720	4,030	8,720	1,410	9,300	363	2,410	609	1,060
27.....	1,860	10,600	10,000	8,260	3,830	8,010	1,410	9,400	529	968	540	1,200
28.....	1,620	10,500	13,400	15,700	3,830	7,010	1,310	5,430	507	758	423	1,510
29.....	1,620	10,000	14,600	19,100	-----	6,510	1,310	4,600	474	823	403	1,410
30.....	2,120	8,900	13,700	14,800	-----	6,000	1,180	5,110	423	551	363	1,080
31.....	5,430	-----	11,700	11,200	-----	5,730	-----	4,420	-----	507	383	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	7,510	507	2,250	0.466	0.54
November.....	165,000	5,110	39,700	8.22	9.17
December.....	31,700	5,430	12,400	2.57	2.96
January.....	19,100	5,430	9,840	2.04	2.35
February.....	29,200	3,830	9,040	1.87	1.95
March.....	97,800	3,070	17,600	3.64	4.20
April.....	28,200	1,180	5,690	1.18	1.32
May.....	86,000	924	12,500	2.59	2.99
June.....	14,500	363	2,360	.489	.55
July.....	2,410	343	722	.149	.17
August.....	7,010	159	1,290	.267	.31
September.....	6,000	363	1,680	.348	.39
The year.....	165,000	159	9,560	1.98	26.90

SIPSEY FORK OF MULBERRY FORK OF BLACK WARRIOR RIVER NEAR SIPSEY, ALA.

LOCATION.—Staff gage in T. 13 S., R. 5 W. Huntsville meridian, 200 feet below Lieth Creek, $3\frac{1}{2}$ miles northeast of Sipsey, and 5 miles above mouth.

DRAINAGE AREA.—1,020 square miles.

RECORDS AVAILABLE.—September, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 50,400 second-feet Nov. 14 (gage height, 56.30 feet); minimum, 5 second-feet June 30 (gage height, 2.99 feet).

1928-1930: Maximum discharge, that of Nov. 14, 1929; minimum, that of June 30, 1930.

REMARKS. Records fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	225	1,640	1,640	1,840	1,070	700	850	320	600	14	61	225
2	225	2,210	1,920	1,640	1,020	750	800	300	465	380	57	154
3	160	6,790	3,380	3,720	1,070	750	1,640	280	420	260	53	124
4	135	6,000	2,890	3,100	1,840	700	3,360	260	400	163	47	80
5	197	3,100	2,540	2,660	6,790	700	2,740	280	340	121	44	85
6	600	1,980	2,140	2,360	4,080	2,420	2,060	260	625	106	42	78
7	420	1,240	1,780	1,980	3,150	16,000	1,640	242	1,950	93	76	70
8	340	1,020	2,620	1,700	2,800	10,000	1,240	280	700	82	71	66
9	260	750	2,210	1,500	2,140	6,600	1,020	600	488	96	59	63
10	225	650	1,840	1,240	1,700	3,600	905	650	400	75	44	61
11	204	1,440	1,640	1,070	1,370	3,120	800	400	340	55	75	578
12	181	6,520	1,500	960	1,180	2,980	750	380	300	49	73	960
13	133	24,200	1,300	1,300	1,180	2,800	700	320	300	48	59	442
14	127	50,300	1,120	1,180	1,020	2,280	700	600	280	54	57	225
15	115	38,800	1,070	1,300	1,120	1,920	675	1,020	100	127	148	169
16	106	36,000	1,020	1,120	1,020	1,780	625	650	93	82	300	163
17	100	17,300	2,660	850	905	1,240	600	2,660	85	70	700	127
18	380	11,000	8,500	850	850	1,240	555	8,740	78	60	3,060	98
19	300	7,100	7,950	800	800	1,980	532	33,700	75	55	2,960	360
20	300	4,500	4,940	700	800	3,480	488	34,800	60	54	650	3,000
21	340	3,300	3,320	800	750	2,820	850	10,000	56	73	340	3,600
22	1,980	2,820	3,120	2,360	700	2,620	600	4,900	50	98	225	750
23	488	3,000	2,820	2,540	750	1,780	420	3,000	46	91	187	400
24	340	2,800	2,480	1,920	750	1,500	420	2,660	34	211	145	280
25	260	2,540	1,980	1,640	750	1,640	380	2,420	31	139	124	166
26	218	2,700	1,920	1,370	675	2,420	380	1,370	23	100	100	420
27	190	3,360	2,060	1,240	700	1,440	360	1,240	14	166	96	1,020
28	187	3,200	2,480	1,560	675	1,180	340	850	9	127	87	442
29	222	2,860	2,960	1,440	-----	1,120	340	800	5	96	78	300
30	300	2,140	2,580	1,180	-----	1,020	320	750	5	73	76	225
31	3,100	-----	2,620	1,120	-----	1,440	-----	650	-----	68	57	-----
Month	Maximum				Minimum			Mean	Per square mile	Run-off in inches		
October	3,100				100			399	0.39	0.45		
November	50,300				650			8,380	8.22	9.17		
December	8,500				1,020			2,680	2.63	3.08		
January	3,720				700			1,580	1.55	1.79		
February	6,790				675			1,490	1.46	1.52		
March	16,000				700			2,710	2.66	3.07		
April	3,360				320			903	.885	.99		
May	34,800				242			3,720	3.65	4.21		
June	1,980				5			280	.27	.31		
July	380				14			106	.10	.12		
August	3,060				42			327	.32	.37		
September	3,600				61			491	.48	.54		
The year	50,300				5			1,920	1.88	25.57		

LOCUST FORK OF BLACK WARRIOR RIVER NEAR WARRIOR, ALA.

LOCATION.—Chain gage in T. 15 S., R. 4 W. Huntsville meridian, at Buck Short highway bridge 8 miles southwest of Warrior.

DRAINAGE AREA.—865 square miles.

RECORDS AVAILABLE.—July, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 53,300 second-feet Nov. 15 (gage height, 40.10 feet); minimum, 42 second-feet Aug. 9 (gage height, 2.10 feet).

1928-1930: Maximum discharge, that of Nov. 15, 1929; minimum discharge, 23 second-feet Sept. 2-4, 1929; minimum gage height, that of Aug. 9, 1930.

REMARKS.—Records good.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	260	955	1,620	1,780	2,130	524	775	195	550	333	71	57
2.....	192	1,620	1,950	1,700	2,130	497	775	188	447	960	62	54
3.....	170	14,400	2,520	3,150	2,130	472	4,470	179	399	255	57	50
4.....	162	14,200	2,520	2,620	5,290	447	5,170	170	354	156	52	46
5.....	315	5,770	1,860	1,950	7,330	423	3,040	159	312	119	54	50
6.....	450	3,480	1,700	1,780	4,930	1,860	2,040	156	472	96	57	46
7.....	525	2,320	1,540	1,540	3,590	25,600	1,620	151	960	103	50	56
8.....	382	1,860	1,460	1,380	1,700	25,000	1,300	162	895	98	44	167
9.....	315	1,620	1,380	1,230	2,040	8,290	1,090	292	550	88	45	230
10.....	239	1,300	1,230	1,160	1,780	4,470	960	214	399	81	145	153
11.....	192	1,460	1,160	1,020	1,540	3,810	835	204	312	77	71	1,300
12.....	155	10,600	1,090	960	1,300	3,260	775	192	273	71	56	354
13.....	148	13,800	1,020	895	1,230	2,520	715	188	237	73	52	195
14.....	128	27,900	895	895	1,300	2,040	660	237	224	71	85	159
15.....	109	50,600	835	1,160	1,160	1,780	605	198	207	96	715	127
16.....	94	45,100	895	1,540	1,020	1,540	578	211	198	70	376	117
17.....	91	26,200	1,460	1,090	960	1,300	524	273	185	70	273	90
18.....	91	16,800	2,620	960	835	1,300	497	5,170	173	68	423	73
19.....	78	8,170	3,700	960	775	1,300	447	10,600	151	70	524	79
20.....	188	5,410	2,720	835	745	3,040	399	14,900	156	114	227	1,700
21.....	2,520	3,920	2,220	1,090	715	2,130	376	5,530	156	57	145	1,230
22.....	3,920	3,150	1,950	2,520	688	1,700	333	3,150	151	48	137	497
23.....	2,130	3,260	1,780	2,820	660	1,460	333	2,320	142	75	185	273
24.....	1,300	2,720	1,620	2,220	660	1,300	292	2,320	137	185	129	188
25.....	890	2,320	1,540	1,860	605	1,540	273	1,780	124	179	108	151
26.....	682	2,720	1,540	1,620	578	1,700	273	1,230	110	83	92	185
27.....	575	4,030	1,700	1,460	550	1,300	255	960	98	105	75	255
28.....	525	3,370	2,320	2,520	524	1,090	237	835	92	92	70	273
29.....	525	2,520	2,720	2,930	-----	1,020	220	715	83	105	62	204
30.....	550	1,950	2,420	2,320	-----	960	201	1,090	86	162	56	170
31.....	830	-----	1,950	2,220	-----	895	-----	688	-----	124	54	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	3,920	78	604	0.698	0.80
November.....	50,600	955	9,450	10.9	12.16
December.....	3,700	835	1,810	2.09	2.41
January.....	3,150	835	1,680	1.94	2.24
February.....	7,330	524	1,750	2.02	2.10
March.....	25,600	423	3,370	3.90	4.50
April.....	5,170	201	1,000	1.16	1.29
May.....	14,900	151	1,760	2.03	2.34
June.....	960	83	288	.333	.37
July.....	960	48	138	.160	.18
August.....	715	44	147	.170	.20
September.....	1,700	46	284	.328	.37
The year.....	50,600	44	1,850	2.14	28.96

PEARL RIVER BASIN

PEARL RIVER AT EDINBURG, MISS.

LOCATION.—Staff gage in T. 11 N., R. 9 E. Choctaw meridian, at new highway bridge at Edinburg used since July 2, 1930. Gage used prior to July 2, 1930, was at old highway bridge 500 feet upstream. Datum of new gage is 0.12 foot lower than old gage. Zero of new gage 341.57 feet above mean sea level.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 11,300 second-feet May 22 (gage height, 24.9 feet); minimum discharge, 7 second-feet July 13; minimum gage height probably occurred Oct. 22.

1928-1930: Maximum discharge, that of May 22, 1930; minimum, 7 second-feet Sept. 8, 1929, July 13, 1930.

Maximum stage known, 29.0 feet Mar. 1, 1902.

REMARKS.—Records fair. Gage-height record Jan. 1 to Aug. 10 furnished by United States Weather Bureau.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	1,120	1,390	1,180	3,060	1,080	1,320	28	1,080	21	19	37
2	30	1,060	1,340	1,200	3,300	1,140	1,140	23	849	25	19	31
3	60	963	1,390	1,500	3,120	1,240	1,000	23	607	25	19	120
4	23	925	1,430	1,740	3,660	1,140	1,140	23	409	19	25	71
5	22	830	1,340	1,640	3,920	1,040	1,080	23	243	19	25	57
6	22	697	1,280	1,500	4,480	944	982	23	323	19	25	54
7	21	571	1,220	1,390	3,980	1,950	868	23	274	19	25	39
8	20	571	1,140	1,840	3,540	2,430	792	554	306	14	25	26
9	19	553	1,120	1,300	3,480	2,650	716	2,010	258	14	19	26
10	18	535	1,060	1,240	3,180	2,320	607	1,820	188	14	19	26
11	14	535	1,020	1,200	2,690	2,500	517	2,190	164	10	13	297
12	13	661	963	1,160	2,260	2,910	463	1,820	122	10	19	314
13	12	697	906	1,140	1,930	2,820	391	1,180	91	7	20	331
14	12	1,690	849	1,100	1,690	2,430	323	944	68	10	22	602
15	10	2,320	792	1,140	1,500	2,260	258	868	60	14	16	456
16	9	3,180	716	1,140	1,410	1,950	214	1,320	75	10	24	314
17	9	4,060	679	1,120	1,340	1,710	188	1,360	68	10	33	207
18	9	5,040	735	1,060	1,260	1,540	164	3,480	50	10	88	156
19	9	5,460	944	925	1,220	1,740	153	7,120	44	10	54	132
20	9	5,280	1,060	735	1,080	1,710	142	9,180	44	10	75	132
21	8	4,720	963	849	906	1,660	132	10,800	44	10	109	120
22	8	3,950	887	1,280	754	1,570	122	11,300	38	10	60	88
23	10	3,300	868	1,710	944	1,620	104	10,800	38	10	43	84
24	11	2,690	987	1,640	1,140	1,640	97	9,180	38	43	40	75
25	10	2,260	906	1,410	963	1,640	71	7,820	38	207	39	57
26	10	2,040	1,060	1,240	944	1,540	57	6,180	32	168	54	60
27	10	1,980	1,160	1,300	868	1,480	44	4,560	32	109	54	150
28	23	2,190	1,300	2,220	887	1,570	38	3,240	26	71	41	98
29	28	1,740	1,320	2,650	-----	1,570	33	2,100	26	50	31	60
30	104	1,500	1,340	2,780	-----	1,520	28	1,570	26	31	28	35
31	216	-----	1,280	2,820	-----	1,450	-----	1,340	-----	19	25	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	216	8	26.2	0.02 ^a	0.03
November	5,460	585	2,100	2.34	2.61
December	1,430	679	1,080	1.20	1.38
January	2,820	735	1,440	1.60	1.54
February	4,480	754	2,130	2.37	2.47
March	2,910	944	1,770	1.97	2.27
April	1,320	28	439	.48 ^b	.55
May	11,300	23	3,320	3.70	4.27
June	1,080	26	189	.210	.23
July	207	7	32.8	.03 ^c	.04
August	109	13	35.7	.04 ^d	.06
September	602	26	142	.15 ^e	.18
The year	11,300	7	1,050	1.17	15.92

PEARL RIVER AT JACKSON, MISS.

LOCATION.—Staff gage in T. 5 N., R. 1 E. Choctaw meridian, at State highway bridge at Jackson.

DRAINAGE AREA.—3,100 square miles.

RECORDS AVAILABLE.—June, 1901, to December, 1913; August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 29,400 second-feet May 28 (gage height, 31.9 feet); minimum, 91 second-feet Aug. 14-15 (gage height, 1.11 feet).

1901-1913, 1928-1930: Maximum discharge, 36,500 second-feet May 30, 1909; maximum gage height, 37.20 feet Apr. 1, 1902; minimum discharge, 80 second-feet Oct. 26 to Nov. 2, 1904; minimum gage height, 0.20 foot Nov. 4, 5, 1911.

REMARKS.—Records fair. Gage-height record Jan. 1 to Aug. 11 furnished by United States Weather Bureau.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	344	923	9,150	5,180	8,210	4,030	6,910	501	19,300	375	375	272
2.....	315	2,910	7,710	5,080	8,500	4,200	5,910	501	15,900	344	315	257
3.....	300	3,650	7,110	5,810	8,560	4,380	5,620	501	12,800	315	286	257
4.....	286	4,420	6,460	6,110	9,070	4,460	5,180	468	9,490	286	257	300
5.....	272	4,510	5,720	6,310	9,760	4,420	4,640	437	7,010	286	257	286
6.....	286	4,590	5,260	6,460	9,960	4,290	4,290	406	4,160	286	257	257
7.....	257	4,590	4,680	6,410	9,960	4,200	4,120	406	2,140	286	257	257
8.....	242	4,590	4,200	6,160	9,960	5,000	3,860	406	1,690	286	257	286
9.....	228	3,690	3,820	5,810	9,860	5,580	3,490	406	1,420	286	228	300
10.....	214	2,910	3,530	5,180	9,670	6,210	2,960	1,070	1,800	286	228	272
11.....	201	2,340	3,240	4,420	9,670	6,760	2,460	3,200	1,150	286	201	257
12.....	201	2,340	2,960	3,730	9,580	7,160	2,140	4,330	1,070	286	188	257
13.....	228	3,320	2,790	3,280	9,230	7,510	1,890	5,440	998	286	146	300
14.....	257	5,080	2,710	3,000	8,560	7,710	1,690	6,160	923	286	91	315
15.....	228	6,260	2,500	3,040	7,960	7,860	1,530	6,810	812	286	106	406
16.....	201	7,410	2,420	2,960	7,410	7,910	1,380	6,910	740	257	124	567
17.....	198	8,160	2,140	2,870	6,510	7,810	1,300	6,310	670	257	126	600
18.....	188	8,560	2,140	2,910	5,490	7,510	1,230	4,900	635	257	160	705
19.....	174	9,150	2,140	2,830	4,420	7,210	1,150	7,460	600	257	300	670
20.....	188	9,960	2,140	2,710	3,820	6,960	998	9,580	567	257	330	635
21.....	201	11,000	2,180	2,870	3,410	6,510	923	11,900	567	257	286	534
22.....	174	12,500	2,910	4,720	3,040	6,310	886	15,100	567	201	390	468
23.....	155	13,800	3,040	5,080	2,750	6,410	949	18,400	534	201	740	406
24.....	144	13,800	3,120	5,670	2,790	6,410	775	21,100	501	201	635	406
25.....	134	14,000	3,040	6,210	2,910	6,710	740	23,800	468	201	501	406
26.....	126	13,200	3,280	6,310	3,820	6,810	635	27,000	437	201	375	360
27.....	134	12,800	3,450	6,410	4,080	6,710	600	29,100	406	201	330	315
28.....	155	11,800	4,120	6,960	3,950	6,860	600	29,400	406	201	300	300
29.....	155	10,700	4,680	7,260	-----	7,010	567	28,500	406	201	257	272
30.....	155	9,400	5,080	7,610	-----	7,010	534	26,100	375	201	242	257
31.....	437	-----	5,310	7,960	-----	6,810	-----	23,000	-----	201	257	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	437	126	218	0.070	0.08
November.....	14,000	923	7,410	2.39	2.67
December.....	9,150	2,140	3,970	1.28	1.48
January.....	7,960	2,710	5,070	1.64	1.89
February.....	9,960	2,750	6,890	2.22	2.31
March.....	7,910	4,030	6,280	2.03	2.34
April.....	6,910	534	2,330	.752	.84
May.....	29,400	406	10,300	3.32	3.83
June.....	19,300	375	2,930	.945	1.05
July.....	375	201	259	.084	.10
August.....	740	91	284	.092	.11
September.....	705	257	373	.120	.13
The year.....	29,400	91	3,840	1.24	16.83

PEARL RIVER BASIN

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PEARL RIVER NEAR COLUMBIA, MISS.

LOCATION.—Chain gage in T. 3 N., R. 13 E., at highway bridge 2 miles southwest of Columbia.

DRAINAGE AREA.—5,690 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 36,700 second-feet Nov. 16 (gage height, 20.85 feet); minimum, 951 second-feet Oct. 17 (gage height, 1.52 feet).

1928-1930: Maximum discharge, that of Nov. 16, 1929; minimum, that of Oct. 17, 1929.

REMARKS.—Records good except those for estimated periods, which are fair.

Daily and monthly discharge, in second-feet, 1929-30

Day	Oct.	Nov.	Dec.	Aug.	Sept.	Day	Oct.	Nov.	Dec.	Aug.	Sept.
1-----	1,380	11,800	18,500	-----	* 1,660	16-----	1,010	36,700	5,330	1,190	* 1,380
2-----	1,320	20,300	17,600	-----	* 1,800	17-----	951	36,200	4,940	1,190	* 1,320
3-----	1,320	24,900	16,300	-----	* 1,730	18-----	1,010	33,800	5,200	1,380	* 1,250
4-----	1,250	27,000	15,900	-----	* 1,800	19-----	1,070	31,300	5,460	1,450	* 1,250
5-----	1,190	25,900	14,500	-----	* 1,800	20-----	1,070	28,400	5,600	1,320	* 1,380
6-----	1,130	20,300	12,900	-----	* 1,520	21-----	1,070	24,600	5,330	1,250	* 1,450
7-----	1,130	13,200	11,500	-----	* 1,380	22-----	1,010	19,600	5,330	* 1,190	1,450
8-----	1,190	9,760	10,800	-----	1,320	23-----	1,010	15,900	5,330	* 1,130	1,660
9-----	1,070	7,670	9,600	-----	1,130	24-----	1,070	14,200	5,600	* 1,190	1,730
10-----	1,070	6,910	8,460	-----	1,130	25-----	1,010	14,200	5,880	* 1,250	1,880
11-----	1,130	6,300	7,670	-----	1,130	26-----	1,010	16,300	6,300	* 1,190	2,110
12-----	1,010	8,940	7,060	-----	1,130	27-----	* 1,100	18,700	7,220	* 1,380	1,950
13-----	1,010	14,400	6,460	1,380	1,130	28-----	1,190	19,600	8,300	* 1,450	* 1,660
14-----	1,010	24,600	6,020	1,250	* 1,320	29-----	1,320	20,300	7,990	* 1,380	1,380
15-----	1,010	34,000	5,740	1,250	* 1,380	30-----	1,580	19,400	8,940	* 1,380	1,450
						31-----	2,880	-----	9,170	* 1,520	-----
Month					Maximum	Minimum	Mean	Per square mile		Run-off in inches	
October-----					2,880	951	1,180	0.207		0.24	
November-----					36,700	6,300	20,200	3.55		3.96	
December-----					18,500	4,940	8,740	1.54		1.78	
August 13-31-----					1,520	1,130	1,300	.228		.16	
September-----					2,110	1,130	1,490	.262		.29	

* Interpolated or estimated.

STRONG RIVER AT DLO, MISS.

LOCATION.—Staff gage in T. 2 N., R. 4 E., half a mile above Gulf & Ship Island Railroad bridge and three-fourths mile southeast of Dlo.

DRAINAGE AREA.—361 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 6,830 second-feet Nov. 15 (gage height, 18.50 feet); minimum, 25 second-feet Oct. 11, 12, 17, 18 (gage height, 2.33 feet).

1928-1930: Maximum discharge, 8,180 second-feet Mar. 15, 1929 (gage height, 21.20 feet); minimum, that of Oct. 11, 12, 17, 18, 1930.

REMARKS.—Records good for low stages and fair for high stages.

Daily and monthly discharge, in second-feet, 1928-19°0

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1928-29												
1	34	34	75	57	411	3,020	307	238	123	107	148	29
2	31	35	78	52	290	2,270	295	191	107	85	123	29
3	31	35	59	52	249	1,640	284	148	91	78	88	57
4	31	35	59	52	233	1,030	238	115	75	52	75	61
5	29	35	52	261	255	1,410	207	107	61	52	68	49
6	29	35	52	438	357	1,130	191	107	61	52	64	45
7	29	35	50	207	397	930	186	91	54	49	52	44
8	29	37	49	167	255	657	191	88	52	45	81	233
9	28	35	44	132	511	467	212	75	52	42	70	482
10	27	35	44	1,600	780	438	526	75	52	42	59	196
11	27	35	45	1,030	751	438	332	75	52	35	54	88
12	27	35	50	880	578	438	238	75	50	35	50	75
13	27	34	182	571	370	2,090	217	75	49	35	751	52
14	27	32	411	320	255	5,440	177	81	212	35	1,180	47
15	32	32	162	228	1,500	8,080	167	88	438	34	278	45
16	42	32	132	191	3,170	7,680	158	94	338	47	167	44
17	49	32	115	177	3,230	5,390	123	384	140	70	148	541
18	61	37	107	186	2,270	3,430	115	186	75	94	81	212
19	70	37	111	622	1,730	980	107	571	70	153	73	115
20	49	37	167	541	980	657	107	780	64	158	61	88
21	35	45	249	467	1,680	930	107	751	64	144	52	88
22	38	45	255	357	1,910	4,700	107	212	64	123	49	75
23	47	47	128	320	1,640	5,570	107	148	52	81	49	73
24	52	47	107	526	1,180	6,380	107	107	52	70	49	61
25	47	45	88	2,550	586	4,780	107	107	52	212	40	42
26	40	45	70	2,670	830	2,980	107	101	177	284	35	40
27	35	45	70	1,680	1,680	830	482	104	930	172	32	37
28	35	49	70	2,630	3,110	548	930	690	453	196	32	35
29	35	54	70	2,000	-----	496	586	511	167	541	32	35
30	35	66	70	1,280	-----	438	238	438	115	370	32	35
31	34	-----	70	751	-----	351	-----	201	-----	217	31	-----

Day	Oct.	Nov.	Dec.	Aug.	Sept.	Day	Oct.	Nov.	Dec.	Aug.	Sept.
1929-30											
1	34	3,340	431	-----	191	16	27	6,580	201	32	45
2	32	3,640	548	-----	101	17	25	6,020	182	32	38
3	31	3,840	830	-----	64	18	25	4,460	338	28	35
4	29	3,530	690	-----	49	19	27	3,080	751	31	40
5	29	3,080	622	-----	47	20	27	780	830	158	52
6	28	1,820	431	-----	42	21	28	586	780	132	61
7	28	474	384	-----	35	22	29	586	548	70	52
8	27	272	424	-----	32	23	29	830	452	49	49
9	27	238	418	-----	32	24	28	830	496	38	52
10	27	196	384	-----	31	25	28	830	526	35	172
11	25	196	345	-----	31	26	27	1,320	780	35	123
12	25	1,230	284	-----	32	27	32	1,640	930	32	115
13	28	2,550	249	27	32	28	44	1,180	980	29	107
14	28	4,420	222	27	32	29	64	1,180	980	32	81
15	27	6,580	217	29	37	30	453	526	930	38	57
						31	453	-----	830	91	-----

Daily and monthly discharge, in second feet, of Strong River at Dlo, Miss., 1928-1930—Continued.

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
1928-29					
October.....	70	27	36.8	0.102	0.12
November.....	66	32	39.4	.109	.12
December.....	411	44	106	.294	.34
January.....	2,670	52	742	2.06	2.38
February.....	3,230	233	1,110	3.07	3.20
March.....	8,080	351	2,440	6.76	7.79
April.....	930	107	242	.670	.75
May.....	780	75	226	.626	.72
June.....	930	49	145	.402	.45
July.....	541	34	120	.332	.38
August.....	1,180	31	132	.366	.42
September.....	541	29	102	.283	.32
The year.....	8,080	27	452	1.25	16.99
1929-30					
October.....	453	25	57.1	0.158	0.18
November.....	6,580	196	2,200	6.09	6.80
December.....	980	182	550	1.52	1.75
August 13-31.....	158	27	49.7	.138	.10
September.....	191	31	62.2	.172	.19

NOTE.—Records for 1928-29 supersede those published in Water Supply Paper 682 because of revision of records for Mar. 14-18, 22-25, 1929.

BOGUE CHITTO AT FRANKLINTON, LA.

LOCATION.—Staff gage in T. 2 S., R. 10 E., in Franklinton. Zero of gage, 125.4 feet above mean sea level.

DRAINAGE AREA.—959 square miles.

RECORDS AVAILABLE.—August, 1928, to September, 1930.

EXTREMES.—Maximum discharge during year, 38,200 second-feet Nov. 15 (gage height, 17.32 feet); minimum, 485 second-feet Oct. 15–27 (gage height, –0.3 foot).

1928–1930: Maximum discharge, that of Nov. 15, 1929; minimum, that of Oct. 15–27, 1929.

REMARKS.—Records poor. Gage-height record Jan. 1 to Aug. 13 furnished by United States Weather Bureau.

Daily and monthly discharge, in second-feet, 1929–30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	515	5,920	2,260	1,460	8,070	3,030	2,330	830	1,020	585	660	740
2.....	515	9,950	2,040	1,580	5,530	4,140	1,520	830	875	1,640	660	660
3.....	515	16,600	3,800	1,520	3,590	5,010	1,460	740	875	1,230	660	660
4.....	515	18,900	3,030	1,340	4,140	4,020	1,280	740	830	1,340	660	660
5.....	515	13,800	1,840	3,030	6,480	3,590	1,180	740	830	970	620	660
6.....	515	6,200	2,260	2,630	6,200	2,040	1,120	660	785	740	620	660
7.....	515	4,140	2,400	2,120	5,010	1,780	1,020	660	785	660	620	660
8.....	515	2,330	3,030	1,580	3,490	1,580	1,020	620	785	620	585	585
9.....	515	1,840	2,790	1,520	2,790	1,580	1,020	620	785	1,070	1,070	740
10.....	515	1,580	2,330	1,230	2,180	1,580	1,020	585	785	1,120	875	660
11.....	515	1,340	1,980	1,230	1,840	1,340	1,020	585	785	875	740	585
12.....	515	2,790	1,710	1,230	1,580	1,340	1,020	585	785	620	620	585
13.....	515	5,790	1,580	1,230	1,400	1,280	1,020	585	785	620	620	585
14.....	515	15,500	1,580	1,230	1,280	1,280	1,020	585	785	660	660	1,070
15.....	485	30,400	1,580	1,520	1,280	1,280	1,020	585	740	740	660	1,180
16.....	485	33,400	1,460	5,400	1,620	1,280	1,020	1,020	740	620	660	920
17.....	485	18,300	1,340	2,260	1,280	1,180	1,020	3,800	700	620	660	740
18.....	485	9,230	1,640	2,120	1,640	1,180	1,020	1,980	660	620	660	700
19.....	485	5,920	2,120	1,520	1,400	1,230	1,020	3,390	660	620	660	785
20.....	485	3,690	2,260	1,460	1,280	1,230	920	15,300	660	620	660	785
21.....	485	2,040	1,840	1,900	1,280	1,230	920	13,800	660	620	660	875
22.....	485	2,040	2,260	8,070	1,280	1,460	920	11,700	660	620	660	920
23.....	485	1,980	2,400	6,620	1,280	1,580	920	4,020	660	620	660	1,020
24.....	485	1,780	2,120	4,880	1,340	1,640	920	2,630	620	620	620	1,180
25.....	485	1,520	1,780	3,030	1,280	1,780	920	1,900	620	660	585	1,710
26.....	485	3,590	1,460	2,630	1,460	1,780	920	1,520	620	920	585	1,710
27.....	485	5,270	1,230	2,180	1,580	1,780	920	1,280	585	970	585	1,020
28.....	515	4,500	1,230	2,260	2,870	1,580	920	1,280	585	875	585	1,020
29.....	920	3,910	1,580	5,140	-----	1,460	920	1,120	585	830	585	1,020
30.....	740	3,210	2,120	10,900	-----	1,580	920	1,120	585	830	660	920
31.....	2,120	-----	1,780	9,770	-----	2,120	-----	1,020	-----	660	785	-----

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October.....	2,120	485	575	0.600	0.69
November.....	33,400	1,340	7,920	8.26	9.22
December.....	3,800	1,230	2,030	2.12	2.44
January.....	10,900	1,230	3,050	3.18	3.67
February.....	8,070	1,280	2,660	2.77	2.88
March.....	5,010	1,180	1,900	1.98	2.28
April.....	2,330	920	1,080	1.13	1.26
May.....	15,300	585	2,480	2.59	2.99
June.....	1,020	585	728	.759	.85
July.....	1,640	585	800	.834	.96
August.....	1,070	585	665	.693	.80
September.....	1,710	585	867	.904	1.01
The year.....	33,400	485	2,050	2.14	29.05

MISCELLANEOUS DISCHARGE MEASUREMENTS

In addition to the records of stream flow obtained at gaging stations and reported in the preceding pages, measurements of flow are made at a number of other points, as shown by the following table:

Miscellaneous discharge measurements in South Atlantic slope and Eastern Gulf of Mexico drainage basins during the year ending September 30, 1930

Date	Stream	Tributary to—	Locality	Gage height	Discharge
				Feet	Sec.-ft.
July 8	Cowpasture River	James River	150 feet below junction of Shaws Fork and Cowpasture River, near McDowell, Va.		2.1
8	do	do	300 feet below junction of Cowpasture and Bullpasture Rivers, near Williamsville, Va.		28
8	Bullpasture River	Cowpasture River	2½ miles above junction of Cowpasture and Bullpasture Rivers, near Williamsville, Va.		25
8	do	do	1¾ miles above junction of Cowpasture and Bullpasture Rivers, near Williamsville, Va.		26
8	do	do	1 mile above junction of Cowpasture and Bullpasture Rivers, near Williamsville, Va.		28
8	do	do	Williamsville, Va., three-fourths mile above junction of Cowpasture and Bullpasture Rivers.		26
Mar. 4	Halls Spring	North River	Near Buena Vista, Va.		1.0
Sept. 25	Chockyott Creek	Roanoke River	100 feet above State highway 48 at Weldon, N. C.		0.74
23	Tar River	Pamlico River	500 feet below bridge on Oxford-Creedmore road near Oxford, N. C.		1.39
25	do	do	At bridge on State highway 40 north of Rocky Mount, N. C.		88.7
23	Fishing Creek	Tar River	50 feet above State highway 50 near Oxford, N. C.		.48
23	Sandy Creek	do	Tailrace of Bement's mill, 6 miles east of Henderson, N. C.		4.96
23	Little River	Eno River	300 feet above State highway 13 near Bahama, N. C.		2.73
22	Crabtree Creek	Neuse River	Harrisburg bridge on middle Hillsboro road near Raleigh, N. C.		1.98
22	do	do	Bridge on State highway 50 at Raleigh, N. C.		35.1
22	Walnut Creek	do	Wooden bridge on county road 3½ miles southeast of Cary, N. C.		.31
22	Swift Creek	do	50 feet above bridge on State highway 21 near Raleigh, N. C.		4.72
21	Little Creek	Moccasin Creek	30 feet above old gaging station at Zebulon, N. C.	0.28	.26
18	Troublesome Creek	Haw River	150 feet above concrete bridge on State highway 70, 4 miles from Reidsville, N. C.		5.35
23	Rocky River	Deep River	On Sanford-Pittsboro highway just below bridge near Pittsboro, N. C.		2.36
20	Upper Little River	Cape Fear River	Just below State highway crossing at Harnett, N. C.		11.9
19	Little River	do	At State highway 50 crossing 2 miles south of Vass, N. C.		60.7
19	Mountain Field Creek	Rockfish Creek	1,500 feet above dam at Sanatorium, N. C.		.55
17	Mitchell River	Yadkin River	About 500 feet above junction with Yadkin River on Elkin-Mount Airy highway, N. C.		95.8
17	Stewarts Creek	Ararat River	100 feet above concrete bridge on Elkin-Mount Airy highway near Mount Airy, N. C.		52.3
29	Richardson Creek	Rocky River	At highway crossing at head of municipal reservoir at Monroe, N. C.		.19
29	Lanes Creek	do	At bridge on State highway 20 west of Polkton, N. C.		.77
29	Browns Creek	Yadkin River	50 feet below old steel bridge on State highway 80, 5 miles north of Wadesboro, N. C.		.77
19	Falling Creek	do	At municipal water works Rockingham, N. C.		4.56

Miscellaneous discharge measurements in South Atlantic slope and Eastern Gulf of Mexico drainage basins during the year ending September 30, 1930—Contd.

Date	Stream	Tributary to—	Locality	Gage height	Dis-charge
				<i>Feet</i>	<i>Sec.-ft.</i>
Sept. 19	Hitchcock Creek	Falling Creek	Opposite east end of railroad trestle just north of center of Rockingham, N. C.		1.67
19	Drowning Creek	Lumber River	200 feet downstream from bridge on State highway 40, south of Aberdeen, N. C.		78.3
15	Curtis Creek	Catawba River	One-third mile above junction with Catawba River near Old Fort, N. C.		6.42
29	Long Creek	South Fork River	At bridge on road at railroad overpass west of Gastonia, N. C.		6.82
29	Catawba Creek	Catawba River	30 feet upstream from outfall of sewage disposal plant at Gastonia, N. C.		.47
29	McAlpine Creek	Sugar Creek	200 feet below State highway 2 nd crossing 3 miles west of Matthews, N. C.		2.25
Feb. 10	Congaree River	Santee River	At railroad bridge 1½ miles below highway bridge at Columbia, S. C.	1.33	5,320
20	do	do	do	4.96	17,500
Apr. 10	do	do	do	1.30	5,820
Sept. 8	Salt Springs	Lake George	Near Lake Kerr, Fla.		81.4
Aug. 5	Silver Spring	Silver River	Silver Springs, Fla.		620
Sept. 8	do	do	do		612
Aug. 4	Silver River	Oklawaha River	Paradise Park near Ocala, Fla.		1,170
Apr. 8	Orange Creek	do	Orange Springs, Fla.		406
May 20	do	do	do		172
June 6	Peace River	Gulf of Mexico	Arcadia, Fla.		5,570
Sept. 14	Kissenger Spring	Peace River	Near Bartow, Fla.		30.5
13	Braden River	Manatee River	Near Bradenton, Fla.		23.4
May 9	Sulphur Springs	Hillsboro River	Tampa, Fla.		92.3
Sept. 13	do	do	do		51.4
Aug. 21	Weekiwachee Spring	Weekiwachee River	Near Brooksville, Fla.		178
Sept. 18	Blue Spring	Blue Springs River	Juliette, Fla.		405
Feb. 8	Suwannee River	Gulf of Mexico	Branford, Fla.		18,800
June 23	do	do	Fort Fannin near Oldtown, Fla.		10,600
July 25	do	do	do		11,000
Aug. 20	Ichatucknee River	Santa Fe River	Near Hildreth, Fla.		416
12	Wakulla River	St. Marks River	Near Wakulla, Fla.		194
Oct. 1	Ochlockonee River	Gulf of Mexico	Ochlockonee, Fla.		2,280
Sept. 24	Blue Springs	Chipola River	Near Marianna, Fla.		200
Apr. 30	Cartecay River	Coosawattee River	Highway bridge at East Ellijay, Ga.		272
30	Coosawattee River	Oostanaula River	Highway bridge 1½ miles southwest of Ellijay, Ga.		498
Apr. 28	do	do	Highway bridge half a mile below Talking Rock Creek at Carters, Ga.		892
30	Ellijay River	Coosawattee River	Former gaging station at Ellijay, Ga.	2.30	179
29	Talking Rock Creek	do	1 mile above mouth and 2 miles southeast of Carters, Ga.		166
30	Etowah River	Coosa River	Former gaging station near Ball Ground, Ga.	3.60	839
30	do	do	Highway bridge at Canton, Ga.		966
29	do	do	Highway bridge 2 miles southeast of Cartersville, Ga.		1,320
30	Long Swamp Creek	Etowah River	Former gaging station near Ball Ground, Ga.	1.05	115
30	Smithwick Creek	do	Half a mile above mouth and 3¼ miles southeast of Ball Ground, Ga.		18.5
29	Stamp Creek	do	One-fourth mile above mouth and 5 miles east of Cartersville, Ga.		38.2
29	Allatoona Creek	do	1 mile above mouth and 2½ miles north of Allatoona, Ga.		39.4
29	Two Run Creek	do	Half a mile above mouth and 2 miles southwest of Kingstons, Ga.		35.7
28	Yellow Creek	Little River	Half a mile above mouth and 2¾ miles northwest of Blanche, Ala.		2.44
May 1	Tallapoosa River	Alabama River	Riddles Bridge half a mile north-west of Oakfuskee, Ala.		418
Aug. 8	Locust Fork of Black Warrior River	Black Warrior River	Railroad bridge 2 miles south of Warrior, Ala.		35.0

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