

GEOLOGICAL SURVEY OF GEORGIA

S. W. McCALLIE, State Geologist

BULLETIN No. 38

THIRD REPORT

ON THE

WATER POWERS

OF

GEORGIA

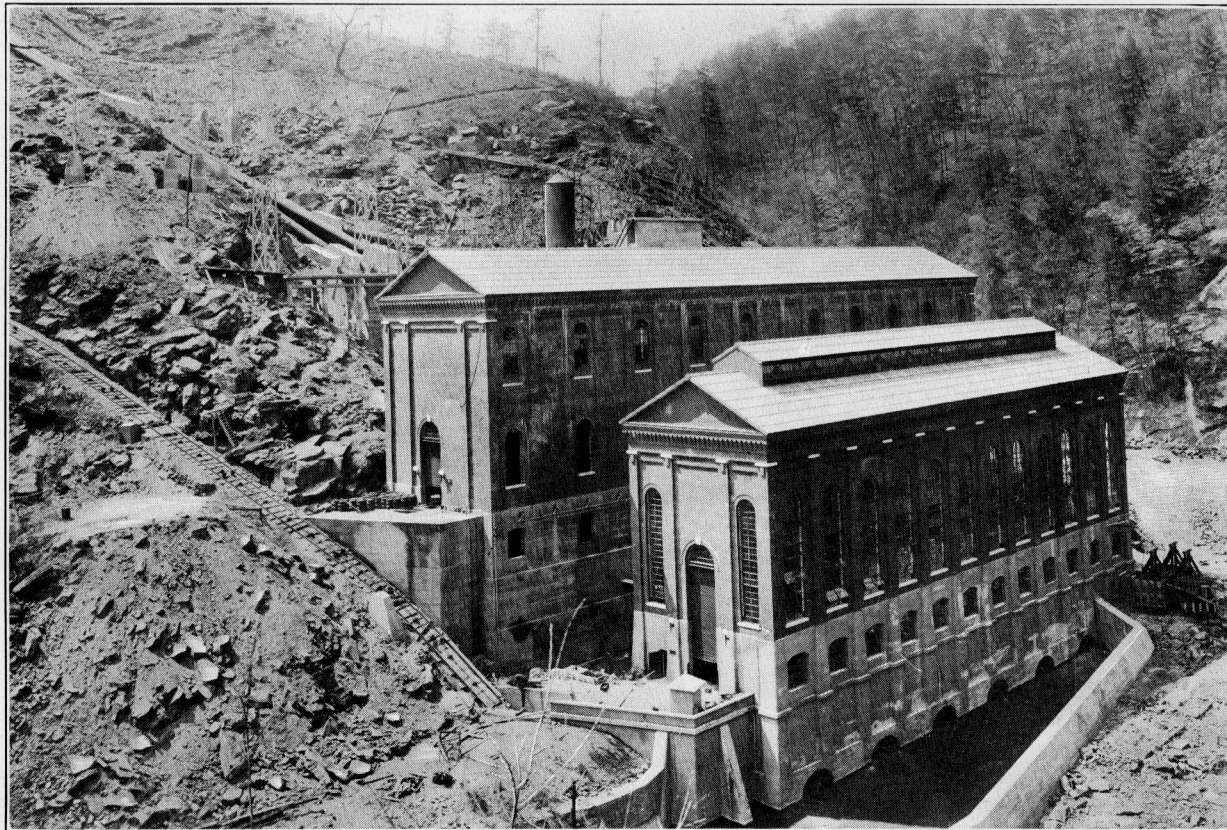
BY

B. M. HALL AND M. R. HALL

CO-OPERATIVE WORK OF THE GEOLOGICAL SURVEY OF GEORGIA
AND THE UNITED STATES GEOLOGICAL SURVEY

Byrd Printing Co., Atlanta, Ga.

1921



POWER PLANT, GEORGIA RAILWAY & POWER COMPANY, TALLULAH RIVER NEAR TALLULAH
FALLS, GEORGIA. MAXIMUM HEAD 608 FEET. GENERATING CAPACITY
108,000 H. P.

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of the
Geological Survey of Georgia

In the Year 1921

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LETTER OF TRANSMITTAL

Geological Survey of Georgia.
Atlanta, June 15, 1921.

*To His Excellency, Hugh M. Dorsey, Governor and President
of the Advisory Board of the Geological Survey of Georgia.*

SIR:

I have the honor of transmitting herewith a report on the Water Powers of Georgia compiled by Messrs. B. M. and M. R. Hall. This is the third report so far issued by this department on the water powers of the State. The first report was published in 1896 and the second in 1908.

The stream flow data collected at the various gaging stations herein included were the result of cooperative work carried on by this department and the U. S. Geological Survey.

Very respectfully,

S. W. McCALLIE,
State Geologist.

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Water Powers of Georgia

ESTIMATE OF WATER POWER

While the greater portion of this report is devoted to the stream flow data collected at gaging stations, it is also the purpose of the report, using the information gained at the gaging stations as a basis, to give a dependable estimate of the magnitude of the water power resources of the State. To show what has already been done toward developing and utilizing water power, a statement of the developed powers is included, which describes with considerable detail the more important power plants now in operation in the State.

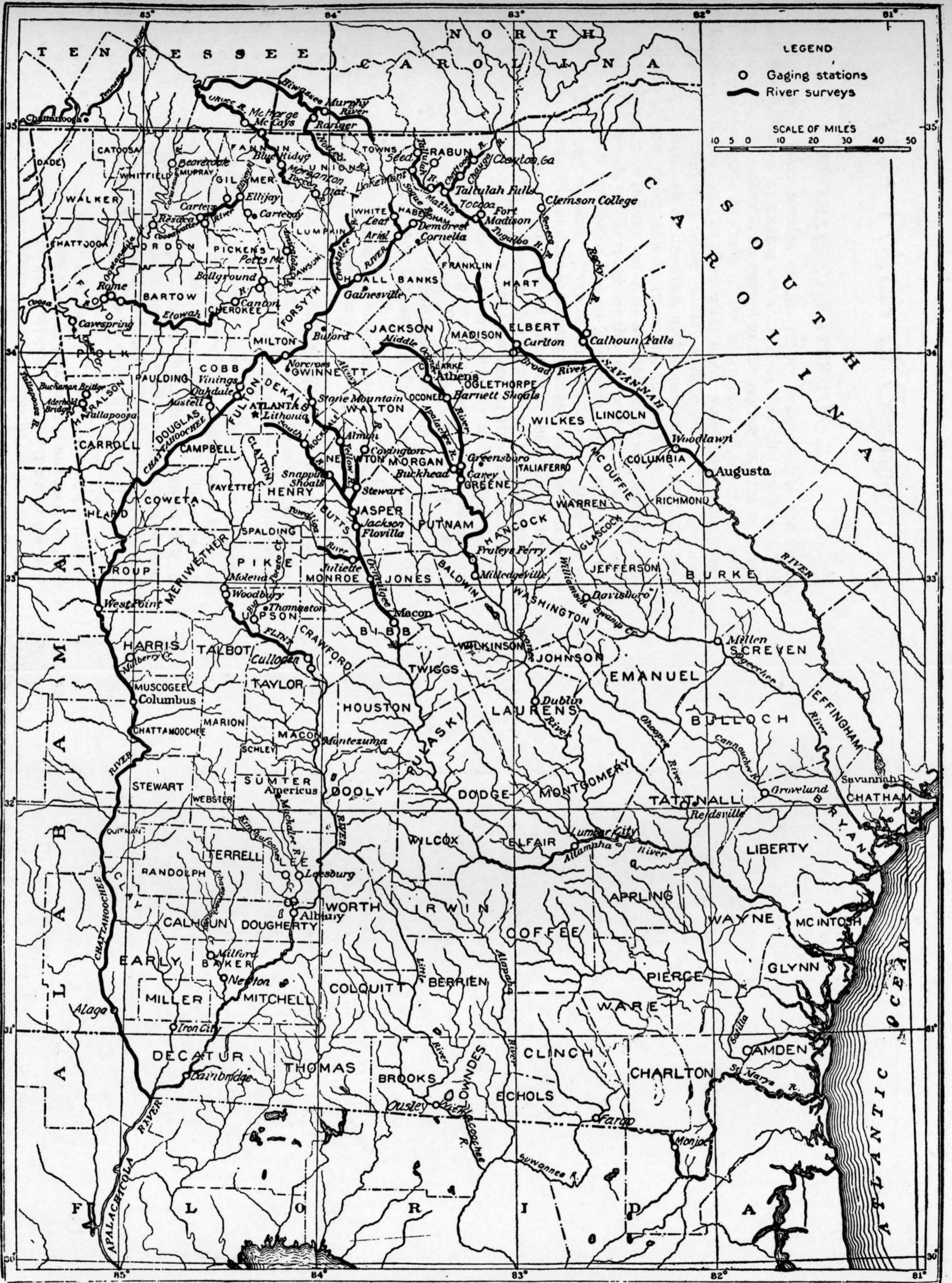
Flowing water or falling water, as a source of power, has long been known and made use of. Throughout the past century, numerous small power plants have utilized or turned into useful work, at least a portion of the energy of water diverted with little effort from the top of shoals or water falls, and made to pass through water wheels; sometimes on small streams, sometimes on one side or the other of the large rivers, using the water at hand with no provision for increasing the flow by regulation, and with a head limited to the drop at the particular fall selected. From such powers scarcely to be called developments, we have all degrees of power development with canals and dams, concentrating at one place the fall in long lengths of river channel, and regulating by storage reservoirs the flow, even to the controlling and holding back for use the flood waters of the rainy seasons.

Power in its economic sense may be defined as controllable force that can be directed so as to cause desired motion, especially continued motion or work.

The standard unit measure of such power is the horse power or work of a horse, which has been standardized to mean an amount of power sufficient to lift a weight of 33,000 pounds at the rate of one foot in one minute.

Water power expressed in horse power is the amount of power which can be developed by a flow of water falling through a height of fall, based on the rate of one horse power for every 33,000 pounds of water falling or flowing in one minute through one foot of fall, or what is the same thing, one horse power for 550 pounds of water flowing in one second through one foot of fall. This amount is the theoretical horse power which in practice is somewhat reduced by friction in the water wheels.

“Theoretical horse power” also called “gross horse power” is the greatest amount of power which could be produced if no loss occurred in the water wheels; that is if the water wheels were 100 per cent efficient. Water power estimates are often given in gross horse power so that a single correcting coefficient covering all losses in wheels and generators may be applied.



MAP OF GEORGIA SHOWING LOCATION OF GAGING STATIONS AND RIVER SURVEYS

"Net horse power" is the term usually applied to the out-put of the water wheels. This is often assumed to be 80 per cent of the theoretical amount, which is about the efficiency of standard turbine water wheels working under average conditions. The net horse power used in this report is calculated on the basis of 80 per cent efficiency.

The terms "Continuous horse power" and "24-hour horse power" meaning the same thing, are only used to indicate that the amount of power named has not been changed to an equivalent amount of shorter period power, like "10-hour horse power," as unless otherwise specified an amount of power named should be understood to mean continuous power for 24 hours per day.

The term 10-hour horse power or 10-hour power has become a very common measure of commercial power, based on the fact that so many mills using power run only ten hours out of the twenty-four. When an amount of 10-hour horse power is named it means the specified amount of horse power for a period of 10 hours a day, and that after the expiration of the 10-hour period the power supply will stop for the rest of the day. Charges for power at a yearly rate per horse power are usually based on 10-hour power.

The term "horse power hour" is sometimes used to indicate a definite amount of power equivalent to one horse power for the period of one hour, 24 horse power hours per day being equivalent to one continuous horse power, and 10 horse power hours per day equivalent to one 10-hour horse power.

The electrical unit of measure for continuous power corresponding to the horse power is the "Kilowatt" or 1,000 watts equal to 1.34 horse power. The term "Kilowatt hour" means one Kilowatt for a period of one hour corresponding to the horse power hour, one Kilowatt hour being equivalent to 1.34 horse power hours. The Kilowatt hour is the unit measure of electrical power indicating a definite amount of such power, and is often made the basis of charges for electrical current for lights and heat as well as for power. The daily, monthly, or yearly out-put of an electric plant may be expressed in Kilowatt hours, and when so expressed the figures given, definitely indicate the quantity of power produced.

The amount of power that can be developed at any water power site depends directly upon the amount of the fall or head obtainable, and the amount of the water supply flowing in the stream. The head is, generally speaking, a fixed quantity. The water supply, on the other hand, is a very variable quantity, changing with the weather and the seasons and differing greatly for the different years.

Assuming a sufficiently large water wheel capacity and a uniform amount of working head, the power developed at the site will vary directly with the amount of water flowing in the stream, being relatively very small during the dry seasons and very large at flood times. In practice it is not possible to provide so much water wheel capacity; neither could the very large amount of power be used even if it should be

developed. The only way to develop and utilize the full amount of the power at the water power site is to construct storage reservoirs of sufficient capacity to hold back the flood water, to be let out at will in approximately equal amounts for each day, which will be used by a normal wheel capacity, and supply a regular consumption of power.

Such full development is only rarely attainable but in many cases it can be closely approached when the reservoir sites are good and the fall at the power plant is great. The Tallulah Falls plant of the Georgia Railway and Power Company, described and illustrated elsewhere in this report, is a good example of such a development.

It cannot be assumed that such a degree of development as has been made at Tallulah Falls is practicable for the average power site, but a proper development for almost all sites should include storage enough to save and utilize the daily flow when the wheels stop for a portion of the 24 hours. Storage should be further provided which will tide over short periods of deficient low water flow, of thirty to sixty days, during the low season of some of the years.

In the tables of estimated power which follow it is assumed that sufficient storage will be available to raise the deficient flow for short periods during low years to the amount of the low water flow of the average year, and to admit of the use of the whole 24-hours low water flow in ten hours time each day. The power estimates given have accordingly been based on the low water flow of the average year instead of the lower flow which will occur during some of the years, and are expressed in ten-hour horse power instead of continuous power.

The average year low water used in these power estimates has been based on the values shown in the tabulated flow data at gaging stations in the appendix of this report.

In considering the power estimate here given, a number of things should be borne in mind: (1) That the estimates are based on low water flow and do not give the maximum amounts of power it is possible to develop. (2) A single dam of moderate height on a large stream may not provide the storage required to tide over periods of deficient flow during low water years, and bring this deficient flow up to the amount of the low water of the average year. The estimates given are therefore larger than the amounts that can be expected during the lowest season of the low years at some individual power sites prior to the time when the river system as a whole will be well developed. (3) The developments in the large stream, even if deficient during low water periods of low years, will have a corresponding excess of power for the high years at low water stage, and will also have an excess of power during the high water portion of every year, such excess being useful for additional lighting and heating in winter, or for secondary power to be sold to customers who have a steam plant. (4) The ultimate full development of the principal water power systems will double or more than double the amounts of power given in these estimates as shown in column 4.

In the table of water power estimates, the left hand portion of the page gives the name of the stream and the portion of stream or name of water power to which the estimate figures apply. The first column to the right gives the area in square miles of the drainage basin above power site or portion of the stream indicated. For powers and power sites the drainage area figures apply to the point named which is generally the lower end of the section of river occupied by the power. For long sections of rivers which may be developed by several powers the drainage area figures are averages of the areas at upper and lower ends. For tributary streams and other portions of streams extending to the head waters, the drainage areas are for the lower end or mouth.

Column 2 gives the low water discharge for the average year expressed in second feet which in all cases is based on the drainage area in Column 1, and the rate of run-off per square mile of area as determined from the records at the gaging stations.

Column 3 gives the fall in the stream between the points named. For most of the main rivers the fall has been accurately determined by river profile surveys, and for most of the mountain and plateau regions the fall in the small streams is fairly accurately shown on the contour maps of the United States Geological Survey.

Column 4 gives the estimated power based on the flow and fall shown in Columns 2 and 3. The figures given are for ten-hour horse power. For the tributary streams the power estimates are computed for one half of the flow at the mouth by the total fall. In cases where the fall is not definitely known conservative estimates of the power head available have been used for the power estimates, but the figures are omitted from Column 3.

The figures given in Column 4 are for low water and therefore do not show as much power as would be produced by the average development.

Column 5 gives the estimated amount of power which would be produced by reasonable developments in which storage to increase the low season flow and extra wheel capacity to use some of the greater flow for portions of the year other than low seasons are provided. This column does not, however, give the full amount of power it is possible to develop, as the full development will give from two to three times as much power as is shown in Column 4.

GEOLOGICAL SURVEY OF GEORGIA

List of water powers with the estimated amount of ten-hour horse power which can be produced at low water flow of the average year

SAVANNAH RIVER WATERSHED	1 Drainage Area Sq. mi.	2 Low Water Dis- Charge	3 Fall in Feet	4 Net 10-hour Horse Power at Low Water of Average Year	5 Safe Average Daily out put in 10-Hour H. P.
Chattooga River:					
North Fork and tributaries.....	56	84	1000	9,160	10,000
West Fork and tributaries.....	62	93	800	8,100	9,000
Above War Woman Creek up to West Fork.....	131	196	77	3,290	3,800
Rogue's Ford up to War-Woman Creek.....	216	320	320	22,000	27,000
Between Rogue's Ford and Tuga- loo Power.....	276	400	274	23,900	29,000
Tributaries of Chattooga River in Georgia.....				9,000	9,000
Tugaloo River:					
Tugaloo Power of Ga. Ry. and Power Co.....	480	650	152	21,600	47,000
Ralston Power Site of Ga. Rwy. and Power Co.....	540	700	94	14,350	32,400
Above Seneca River up to Ralston Power Site.....	981	790	140	24,000	52,000
Tributaries of Tugaloo River in Geor- gia.....				5,000	5,000
Savannah River:					
Interstate Power Site of Ga. Ry. and Power Co.....	2,300	2,000	75	32,700	44,700
Cherokee Shoals up to Interstate Power Site.....	2,440	2,050	50	22,300	25,000
Above mouth of Broad River.....	2,800	2,240	90	44,000	57,000
Prices Ferry up to Broad River.....	5,000	3,300	69	50,000	67,000
Above mouth of Little River.....	5,500	3,500	20	15,300	21,000
Stevens Creek Power Plant.....	6,600	3,960	35	30,200	40,000
Augusta Canal Present Develop- ment.....			43	11,450	28,000
Tributaries of Savannah River in Georgia.....				20,000	20,000
Tallulah River:					
Above head of Burton Reservoir --- Burton Reservoir of Ga. Ry. and Power Co.....	60	84	800	7,300	7,300
Seed Reservoir Site.....	136	190	116	4,800	11,800
Mathis Reservoir.....	144	200	60	2,400	7,100
Tallulah Falls Power Plant.....	153	220	190	9,000	23,300
	190	260	608	34,100	73,000
Broad River:					
Above Carnesville (North Fork).....				1,900	2,300
Carnesville mouth of Middle Fork... Mouth of Middle Fork to Hudson River.....	150	112	50	1,200	1,600
Mouth of Hudson River to South Fork.....	380	285	20	1,240	1,650
Mouth of South Fork to Mouth... Middle Fork of Broad River and tributaries.....	750	563	146	17,900	23,800
Hudson Fork of Broad River and tributaries.....	1,100	825	111	20,000	27,000
South Fork of Broad River and tributaries.....				8,100	10,000
Other tributaries of Broad River.....				6,400	8,000
				6,000	7,800
				2,000	2,500
Total Savannah River basin in Georgia.....				488,690	734,050

WATER POWERS OF GEORGIA

OGEECHEE RIVER WATERSHED	1 Drain- age Area Sq. mi.	2 Low Water Dis- Charge	3 Fall in Feet	4 Net 10-hour Horse Power at Low Water of Average Year	5 Safe Average Daily out put in 10-Hour H. P.
Tributaries of Ogeechee River:					
Tributaries above Williamson Swamp Creek.....	1,000	-----	-----	1,700	2,200
Williamson Swamp Creek.....	300	-----	-----	520	600
Tributaries between Williamson Swamp Creek and Cannoochee River.....	1,700	-----	-----	3,000	3,600
Tributaries of Cannoochee River.....	-----	-----	-----	2,300	2,900
Total Ogeechee River basin.....	-----	-----	-----	7,520	9,300
ALTAMAHA RIVER WATERSHED					
South River:					
From Constitution down to Albert Shoals Bridge.....	100	80	103	1,800	2,400
Albert Shoals Bridge to Peachstone Shoals Bridge.....	200	140	70	2,140	2,800
Peachstone Shoals Bridge to Upper Snapping Shoals.....	210	150	35	1,140	1,500
Snapping Shoals Power Plant.....	225	160	20	700	900
Foot of Snapping Shoals to Pond of Jackson Power Dam.....	250	170	11	410	500
Tributaries of South River.....	250	-----	-----	1,750	2,200
Ocmulgee River:					
Jackson Power Plant.....	1,440	590	100	13,000	30,000
Foot of Jackson Dam to Pond of Juliette Dam.....	1,600	640	67	9,350	12,000
Juliette Power Plant.....	1,600	640	11	1,540	2,000
Foot of Juliette Dam to Macon.....	2,200	770	70	11,760	15,000
Yellow River:					
Simmons Mill.....	120	60	7	90	100
Below Simmons Mill to head of Annistown Dam.....	120	60	48	620	900
Annistown Power Plant.....	120	60	11	140	200
Foot of Annistown Dam to head of Millstead Pond.....	220	110	68	1,630	2,100
Millstead Power Plant.....	220	110	44	1,060	1,400
McDaniels Mill.....	360	180	15	590	800
Below McDaniels Mill to head of Porterdale Pond.....	380	190	15	620	800
Porterdale Power Plant.....	400	210	62	2,800	3,300
Below Porterdale Dam to head of Jackson Dam Pond.....	400	210	20	900	900
Tributaries of Yellow River.....	400	-----	-----	2,400	3,000
Alcovy River:					
Hendersons Mill.....	250	100	6	130	170
Below Henderson Mill to foot of Newton Shoals.....	300	120	78	2,040	2,500
Tributaries of Alcovy River.....	300	-----	-----	1,300	1,500
Towaliga River:					
High Falls Power Plant.....	116	35	100	760	2,000
Below High Falls Power to South Fork.....	260	85	52	1,000	1,400
South Fork to mouth.....	350	112	47	1,150	1,400
Tributaries of Towaliga River.....	300	-----	-----	1,050	1,200
Other Tributaries of Ocmulgee River:					
Tributaries between Alcovy and Towaliga rivers.....	650	-----	-----	2,800	3,300
Tributaries between Towaliga River and Macon.....	-----	-----	-----	4,000	4,500
Tributaries between Macon and Hawkinsville.....	-----	-----	-----	3,600	3,600
Tributaries between Hawkinsville and mouth of Oconee River.....	-----	-----	-----	7,500	9,000

GEOLOGICAL SURVEY OF GEORGIA

ALTAMAHA RIVER WATERSHED	1 Drain- age Area Sq. mi.	2 Low Water Dis- Charge	3 Fall in Feet	4 Net 10-hour Horse Power at Low Water of Average Year	5 Safe Average Daily out put in 10-Hour H. P.
Tributaries of Altamaha River below the Junction of Ocmulgee and Oconee rivers:					
Ohoopsee River and tributaries -----	1,440			3,000	3,300
Other tributaries of Altamaha River -----				1,500	1,800
Middle Oconee River:					
Above mouth of Mulberry Fork -----				1,370	1,850
Mouth of Mulberry Fork to head of Tallassee Shoals Dam -----	280	140	28	850	1,100
Tallassee Shoals Power Plant -----		140	45	1,360	1,800
Mitchell's Bridge Power Plant -----	400	200	23	1,000	1,350
Mitchell's Bridge Power Plant down to Junction with North Oconee -----	400	200	55	2,400	3,200
Oconee River:					
Barnetts Shoals Power Plant -----	1,000	450	50	4,960	6,600
Above mouth of Appalachian River up to Barnetts Shoals Power -----		450	44	4,320	5,700
Mouth of Appalachian River down to Richland Creek -----	1,600	720	73	12,600	15,300
Mouth of Richland Creek to Little River -----	2,000	800	87	15,200	20,200
Mouth of Little River down to foot of Furman's Shoals -----	2,800	930	42	8,500	11,900
Oconee River Mills Power Plant -----	2,845	930	13	2,600	3,280
Mulberry Fork and tributaries North Oconee River and tribu- taries -----				600	800
Appalachee River and tributaries Little River and tributaries -----				8,000	11,000
Appalachee River and tributaries -----				4,700	8,000
Little River and tributaries -----				6,100	8,000
Other tributaries of Oconee River:					
Tributaries between Middle Fork and Appalachian River -----	600			4,800	6,000
Tributaries between Appalachian River and Little River -----	1,000			8,000	9,000
Tributaries below mouth of Little River down to the Junction of Oconee and Ocmulgee rivers -----				14,000	18,000
Total Altamaha River basin -----				185,630	251,550
STREAMS OF THE COASTAL REGION					
Satilla River and tributaries -----	2,750	550		6,000	8,000
Okefenokee Swamp to St. Mary's Riv- er -----	1,200	1,200	100	26,000	26,000
Allapaha River and tributaries in Georgia -----	1,540	330		2,250	3,000
Withlacoochee River and tributaries in Georgia -----	2,100	440		2,000	2,500
Ochlocknee River and tributaries in Georgia -----	900	198		720	1,000
				36,970	40,500

WATER POWERS OF GEORGIA

APALACHICOLA RIVER WATERSHED	1 Drain- age Area Sq. mi.	2 Low Water Dis- Charge	3 Fall in Feet	4 Net 10-hour Horse Power at Low Water of Average Year	5 Safe Average Daily out put in 10-Hour H. P.
Chattahoochee River:					
Above Dukes Creek.....	48	72	1,200	9,400	10,000
Mouth of Dukes Creek down to Sautee Creek.....	71	106	40	920	1,000
Mouth of Sautee Creek down to Leaf Station.....	130	195	93	3,950	4,300
Leaf Station down to mouth of Soque River.....	152	228	79	3,930	4,300
Mouth of Soque River down to head of Gainesville Power Pond.....	392	380	123	10,200	13,000
Gainesville Power Plant.....	464	383	36	3,000	3,500
Buford Dam Site.....	1,091	1,000	70	15,270	16,300
Roswell Dam Site.....	1,230	1,180	62	15,960	16,700
Bull Sluice Power Plant.....	1,340	1,200	50	13,090	14,400
Vinings Dam Site.....	1,560	1,330	52	15,090	16,100
Franklin Dam Site.....	2,340	1,500	117	38,290	81,300
LaGrange Dam Site.....	2,800	1,800	36	14,140	29,600
West Point Dam Site.....	3,300	1,926	33	13,870	26,900
Langdale Power Plant.....	3,500	2,030	14	6,300	11,700
Hargett Island Dam Site.....	4,060	2,100	56	25,660	52,800
Brawners Ferry Dam Site.....	4,250	2,100	66	30,240	62,400
Goat Rock Power Plant.....	4,620	2,310	70	35,280	65,300
Clapp Factory Dam Site.....	4,900	2,450	74	39,560	67,200
North Highlands Power Plant.....	4,900	2,450	40	21,380	38,400
City Mills Power Plant.....	4,900	2,450	10	5,340	9,600
Eagle and Phoenix Power Plant.....	4,900	2,450	26	13,900	25,000
Soque River:					
Above Habersham Mills Pond.....	114	165	800	15,400	20,000
Habersham Mills Power Plant.....	114	165	47	1,690	2,200
Hodge Shoals Power Plant.....	148	213	24	1,120	1,500
Below Hodge Shoals Dam.....	146	220	29	1,390	1,900
Tributaries of Soque River (Com- bined).....	144			4,600	5,000
Chestatee River:					
Above mouth of Tesnatee River.....	62	87	800	7,500	8,400
Chestatee Pyrites Company Power Plant.....	134	188	41	1,680	2,200
Down to New Bridge Pond.....	185	250	104	5,670	6,800
New Bridge Power Plant.....	238	309	27	1,820	2,000
Below New Bridge Dam.....	280	336	89	6,520	8,000
Tributaries of Chestatee River:					
Tesnatee River.....	72	100	800	8,730	8,800
Yahoola Creek.....	34	52	900	5,100	6,000
Cane Creek.....	30	44	500	2,400	3,000
Other tributaries.....				7,000	7,500
Tributaries of Chattahoochee River, other than Soque and Ches- tatee rivers:					
Dukes Creek.....	22	33	800	2,790	2,900
Sautee Creek.....	34	52	700	3,970	4,000
Little River.....	78	94		2,560	2,700
Other tributaries above Gainesville Tributaries; Gainesville to Buford Dam Site.....	191			3,100	3,200
Tributaries; Buford to Roswell Dam Site.....	140			2,400	2,500
Tributaries; Roswell to Bull Sluice Dam.....	122			2,000	2,100
Tributaries; Bull Sluice to Vinings Dam Site.....	360			2,640	2,800

GEOLOGICAL SURVEY OF GEORGIA

APALACHICOLA RIVER WATERSHED	1 Drain- age Area Sq. mi.	2 Low Water Dis- Charge	3 Fall in Feet	4 Net 10-hour Horse Power at Low Water of Average Year	5 Safe Average Daily out put in 10-Hour H. P.
Tributaries of Chattahoochee River other than Soque and Ches- tatee Rivers;—Continued					
Tributaries; Vinings to Franklin Dam Site.....	780	-----	-----	8,500	10,000
Tributaries; Franklin to LaGrange Dam Site.....	460	-----	-----	5,000	6,000
Tributaries; LaGrange to West Point Dam Site.....	500	-----	-----	5,400	6,200
Tributaries; West Point to Colum- bus.....	1,600	-----	-----	17,500	20,000
Tributaries below Columbus.....	-----	-----	-----	18,000	20,000
Flint River:					
Above head of Flat Shoals.....	800	-----	-----	3,960	5,300
Flat Shoals Site.....	800	280	44	2,700	3,600
Below Flat Shoals to Woodbury.....	900	315	-----	2,700	3,000
Woodbury down to Big Potato Creek.....	1,200	456	260	25,870	34,500
Mouth of Big Potato Creek to Creek Agency Reserve.....	1,700	680	74	11,000	15,000
Creek Agency Reserve to Reynolds.....	2,000	800	-----	4,800	5,000
Reynolds to Montezuma.....	2,350	1,050	-----	13,700	15,000
Montezuma to Albany.....	4,000	2,000	-----	30,000	40,000
Tributaries of Flint River:					
Tributaries above Woodbury.....	490	-----	-----	1,740	2,000
Tributaries; Woodbury to Big Pot- ato Creek.....	342	-----	-----	6,720	7,000
Big Potato Creek.....	220	-----	-----	4,800	6,000
Tributaries; Big Potato Creek to Montezuma.....	1,030	-----	-----	9,100	10,000
Tributaries; Montezuma to Muck- alee Creek.....	1,330	-----	-----	9,800	11,500
Muckalee Creek Power Plant on Muckalee Creek below mouth of Kinchafoonee Creek.....	1,030	580	22	2,780	3,400
Muckalee Creek above mouth of Kinchafoonee Creek.....	430	240	-----	4,200	5,200
Kinchafoonee Creek.....	600	340	-----	7,200	9,000
Ichawaynochaway Creek and tribu- taries.....	-----	-----	-----	9,500	12,000
Spring Creek and tributaries.....	-----	-----	-----	4,300	5,300
Total Apalachicola River ba- sin in Georgia.....	-----	-----	-----	640,420	935,300
MOBILE RIVER WATERSHED					
Cartecay River:					
Above Tickanety Creek.....	18	27	600	1,830	2,000
Mouth of Tickanety Creek to Pum- kin Creek.....	38	57	100	1,240	1,500
Below Pumpkin Creek to Ellijay.....	96	144	390	12,250	15,200
Tributaries:					
Tickanety Creek.....	18	27	700	2,140	2,700
Pumpkin Creek.....	14	21	400	870	1,100
Turkey Creek and tributaries.....	27	40	-----	3,300	4,100
Other tributaries of Cartecay River.....	57	-----	-----	2,750	3,000

WATER POWERS OF GEORGIA

MOBILE RIVER WATERSHED	1 Drain- age Area Sq. mi.	2 Low Water Dis- Charge	3 Fall in Feet	4 Net 10-hour Horse Power at Low Water of Average Year	5 Safe Average Daily out put in 10-Hour H. P.
Coosawattee River:					
Ellijay to below mouth Mountain Town Creek-----	273	330	125	9,000	11,200
Mountain Town Creek to below Tails Creek-----	340	355	113	8,750	11,000
Tails Creek to Crawfords Creek-----	362	365	157	12,500	15,600
Crawfords Creek to foot of Carters Dam-----	372	385	169	13,900	17,000
Carters Old Dam to Bridge at Car- ters Station-----	530	445	18	1,750	2,200
Carters Station to Junction with Connasauga River-----	680	476	44	4,570	5,700
Tributaries of Coosawattee River:					
Mountain Town Creek-----	78	81	800	6,980	8,700
Tails Creek-----	17	16	1,000	1,740	2,200
Talking Rock Creek-----	146	59	-----	5,200	6,500
Salacoa Creek-----	63	26	-----	2,200	2,800
Other tributaries of Coosa- wattee River-----	300	-----	-----	10,000	12,000
Oostanaula River:					
From mouth of Coosawattee River to Rome, where it joins Etowah River-----	1,860	930	-----	10,000	12,500
Tributaries of Oostanaula River-----	610	-----	-----	6,600	8,800
Ellijay River:					
Ellijay River and tributaries-----	90	100	-----	6,700	7,200
Connasauga River:					
Above Jack River-----	40	40	1,200	5,240	6,500
Mouth of Jack River down Beaver- dale-----	136	80	260	4,540	5,700
Beaverdale Station to Junction with Coosawattee River-----	500	275	-----	3,000	3,800
Tributaries of Connasauga River:					
Jack River-----	43	43	1,600	7,680	9,600
Other tributaries of Conna- sauga River-----	-----	-----	-----	8,200	10,000
Etowah River:					
Above Jones Creek-----	23	25	600	1,570	1,900
Mouth of Jones Creek to Nimble- will Creek-----	43	47	30	310	400
Mouth of Nimblewill Creek to above Amicalola River-----	110	110	350	8,400	10,500
Mouth of Amicalola River to head of Creighton Pond-----	274	247	66	3,560	4,400
Creighton Power Plant-----	377	340	10	740	1,000
Below Creighton Dam to Little River-----	546	499	174	18,940	24,300
Mouth of Little River to Owl Creek-----	935	608	19	2,520	3,100
Mouth of Owl Creek to one-half mile below Allatoona Creek-----	1,023	614	100	13,400	20,500
One-half mile below Allatoona Creek to foot of Jefferson Dam-----	1,113	668	18	2,600	3,200
Foot of Jefferson Dam to Euharlee Creek-----	1,270	698	34	5,150	6,500
Euharlee Creek to Rome-----	1,720	912	80	15,900	20,000
Tributaries of Etowah River:					
Jones Creek-----	13	20	600	1,300	1,600
Nimblewill Creek-----	11	16	700	1,220	1,500
Shoal Creek-----	38	57	400	2,440	3,000
Amicalola River-----	91	146	900	14,300	18,000
Long Swamp Creek-----	78	70	-----	4,000	5,000

GEOLOGICAL SURVEY OF GEORGIA

	1	2	3	4	5
MOBILE RIVER WATERSHED	Drainage Area Sq. mi.	Low Water Discharge	Fall in Feet	Net 10-hour Horse Power at Low Water of Average Year	Safe Average Daily out put in 10-Hour H. P.
Tributaries of Etowah River—Cont.					
Little River.....	214	116	-----	2,500	3,000
Allatoona Creek.....	83	42	-----	900	1,100
Pumpkinvine Creek.....	132	66	-----	1,440	1,800
Euharlee Creek.....	155	78	-----	850	1,100
Other tributaries above Amicalola River.....	48	-----	-----	3,000	3,900
Other tributaries below Little River.....	330	-----	-----	1,800	2,200
Total Mobile River basin in Georgia.....				259,770	297,000
TENNESSEE RIVER WATERSHED					
Toccoa River:					
Above Cooper Creek.....	41	62	900	6,100	7,600
Cooper Creek to Dial Station.....	100	145	170	5,380	6,500
Dial Station to Blue Ridge Station.....	180	252	312	17,100	22,000
Blue Ridge Station to Copperhill.....	300	390	102	8,680	11,000
Tributaries of Toccoa River:					
Cooper Creek.....	38	53	1,000	5,670	7,100
Skeenah Creek.....	13	17	600	1,050	1,300
Noontootly Creek.....	33	43	1,200	5,320	6,700
Hemptown Creek.....	46	55	500	3,050	3,800
Hot House Creek.....	28	34	400	1,480	1,800
Fighting Town Creek.....	72	76	1,100	9,120	11,400
Other tributaries of Toccoa River in Georgia.....	180	-----	-----	8,500	10,000
Nottely River:					
Above Coosa Creek.....	98	98	600	6,400	8,000
Mouth of Coosa Creek to Young Cane Creek.....	130	117	80	2,040	2,500
Mouth of Young Cane Creek to State Line.....	182	155	155	5,240	6,500
Tributaries of Nottely River:					
Coosa Creek.....	24	20	300	650	800
Young Cane Creek.....	31	25	500	1,300	1,600
Other tributaries of Nottely River in Georgia.....				3,300	5,000
Hiwassee River:					
Above Hightower Creek.....	48	53	1,100	6,240	8,000
Mouth of Hightower Creek to State Line.....	83	91	150	2,980	3,700
Tributaries of Hiwassee River in Georgia.....	120	-----	-----	7,200	9,000
Tributaries of Tennessee River in Georgia:					
East Chickamauga River.....	175	-----	-----	1,520	1,900
Peavine Creek.....	41	-----	-----	350	400
West Chickamauga River.....	155	-----	-----	1,350	1,700
Rocky Creek.....	58	-----	-----	2,100	2,600
Lookout Creek.....	121	-----	-----	2,600	3,200
Total Tennessee River basin in Georgia.....				114,720	144,100

WATER POWERS OF GEORGIA

Summary of Georgia water powers

WATERSHED	Net 10-Hour H. P. at low water average	Safe Average daily output in 10-Hour H. P.
Savannah.....	488,690	734,050
Ogeechee.....	7,520	9,300
Altamaha.....	185,630	251,550
Coastal Region.....	36,970	40,500
Apalachicola.....	640,420	935,300
Mobile in Georgia.....	259,700	297,000
Tennessee in Georgia.....	114,720	114,100
	1,743,650	2,381,800

In the foregoing tables of estimated power, the figures given are the amounts of power corresponding to the low water flow of the average year, that is, they show the amounts of power, reduced to a ten hours per day basis, which would be produced at a stage of stream flow corresponding to the average year low water. The developed power sites are included in these estimates and the figures are given in the same manner as for undeveloped sites, irrespective of the actual development, the amount of water wheel capacity of the plant, and whether or not the flow has been increased by storage.

In the following statements of developed powers, the amount of horse power given is in all cases the total water wheel capacity of the plant. Obviously these two sets of figures will not be the same. The wheel capacity may in some cases be less than required for the average year low flow, while in other cases wheels are provided for largely increased flow due to storage. In any case the wheel capacity must be sufficient for the "peak load" or greatest amount required at any time.

For plants furnishing ten hour power exclusively, and all for the same period of time, the wheel capacity should correspond closely with the ten hour estimates, but in general, the wheel capacity is not an index to the available power at the site, nor of the amount actually produced as shown by the total out-put of power from the plant.

DEVELOPED WATER POWERS

Prior to 1903, the only water power development within the limits of the State, which could be considered at all in the class with recent developments, was the power developed by the Augusta canal. For more than a quarter of a century this water power held the unique position of being the most extensive water power development in the Southern States. The early completion of this development, which was a municipal undertaking of no mean proportions for its time, at once placed the city of Augusta in a position to offer attractive in-

duancements to manufacturers in the form of cheap power, a financial consideration which has been the means of making Augusta one of our most important manufacturing centers and has won for that city the appropriate title "The Lowell of the South."

Other early developments which may here be referred to as furnishing rather large powers are those at Columbus, but these, like the Augusta canal power, are now so far exceeded in magnitude by some of our recent hydro-electrical developments that they have become of relatively small importance.

The following data collected largely by the State Geologist, S. W. McCallie, during personal visits to the individual plants mentioned, gives the developed power and ultimate development in horsepower of all of the main water power plants at present in the State:

DETAILED DESCRIPTION OF INDIVIDUAL DEVELOPED WATER POWERS

The Augusta Power Canal

Location, on Savannah River at Augusta, Ga. The dam across the river at a point 7 miles above Augusta and the canal 7 miles long bring the water in the city. The canal is located on the Georgia side of the river.

In 1835, the Richmond Factory was built on Spirit Creek 10 miles from Augusta, and was operated by water power from the creek. The wonderful success of this early water power enterprise led to the planning and beginning of what is now the Augusta Power Canal.

In the year 1845, a company was organized for constructing a canal from the head of the shoals 7 miles above to supply water power in the city at a maximum head of 40 feet for various manufacturing purposes. Work was begun promptly and the first power was ready for use in the autumn of 1846. The canal as first constructed was 40 feet wide at the top, 20 feet wide at the bottom and carried a depth of 5 feet of water. Water was turned into it by a low wing dam extending only a short distance into the river. This canal developed about 600 horse power, but the power was soon afterwards largely increased by raising the dam and the canal bank to give a canal depth of 7 feet. The final enlargement to take the full flow of the river at minimum stage was completed in 1875, and there has been improvements in the dam and canal at various times since that date.

The first development was made by a private company with endorsement and financial aid of the city of Augusta. In the year 1849 the city acquired full ownership. Water from the canal is furnished by the city to various manufacturing establishments on long leases, at a low rental, the mill owner putting in his own water wheels, forebays, penstocks, etc.

WATER POWERS OF GEORGIA

The present power in actual use is distributed as follows:

Augusta Factory	1,079 H. P.
Enterprise Mills	1,085 H. P.
Sibley Mills	1,429 H. P.
King Mills	2,516 H. P.
Sutherland Mills	215 H. P.
Augusta-Aikin Railway, Western Plant	1,065 H. P.
Augusta-Aikin Railway, Eastern Plant	1,402 H. P.
Murray Hill	164 H. P.
Clark Milling Company	167 H. P.
City Pumps for Water Works	850 H. P.
Other powers	1,486 H. P.
Total	11,458 H. P.

Natural Conditions.—The Augusta shoal is approximately the same length as the canal and has a total fall of 43 feet at ordinary stage of water. At extremely low water the total fall is about 50 feet.

Low water discharge of the river in lowest year (1904) was 1,850 cubic feet per second, but average year low water flow is 4,320 cubic feet per second, which would produce 15,700 net H. P. under a 40 foot head, continuously 24 hours per day, with water wheels of 80% efficiency, or with daily storage, 37,600 H. P. ten hours per day.

The Stevens Creek Plant on Savannah River

This plant is located 9 miles above Augusta on Savannah River just below the mouth of Stevens Creek, which is a tributary from South Carolina.

The dam extends across Savannah River, its full length being 2,700 feet, including the power house and abutments. The length of spillway is 2,000 feet. It is constructed of Cyclopean concrete, is 27 feet maximum height and 35½ feet thick at base. At its upstream toe the dam for its entire length is firmly fastened to bed-rock by steel rods set into the bed-rock and extending up into the concrete body of the dam. To provide for navigation, there is a lock 30 feet wide, 150 feet long, and 27 feet lift.

On the crest of the spillway there are sockets for flash-boards, and safety arrangements for the protection of men who will operate the flash-boards. To assist the spillway in passing floods, and for drawing down the pond when desired, there are five 8 ft. by 8 ft. sluice-gates.

Back water extends 14 miles up Savannah River, and 13 miles up Stevens Creek, making a pond that covers an area of 4,200 acres.

The power house will ultimately be 51 feet wide and 388 feet long and the base is constructed of these dimensions, but the present superstructure is 51 feet wide by about half the ultimate length. It is a steel frame with brick walls.

Machinery.—Present installation is five units, each unit consisting of one I. P. Morris 104 inch vertical turbine, 75 r.p.m., 3,125 H. P. with double floating lever oil pressure governor, and directly con-

ned to a Westinghouse, vertical type, revolving field generator on upper end of the vertical wheel shaft, 2,700 Kva. 75% P. F., 3 phase 60 cycle, 2,300 volts. There are also two exciter units of same design each unit being a 40 inch turbine, 450 H. P., direct connected to a 350 volt, 300 Kw. vertical type exciter. Also three 5,400 Kva. transformers, stepping up from 2,300 volts to 44,000 volts.

Ultimate plant will contain five additional wheel and generator units, and three additional transformer units of same capacity as those in present plant, but no additional exciter units will be needed.

This plant is one of the southern enterprises of the J. G. White Engineering Company. Work was begun in 1913 and the present equipment completed in 1914.

Elberton Light and Water Company Power

This plant is situated on Beaverdam Creek in Elbert County, about 7 miles from the city of Elberton, and the power is transmitted electrically to Elberton for light and power.

The dam is concrete masonry and the water is conveyed to the wheels in a short iron penstock 6 feet in diameter to give a power head of 28 feet.

The wheel plant is one unit, consisting of a pair of 21-inch horizontal Davis turbines in an iron case with a capacity of 360 H. P., belt connected to a Fort Wayne generator 310 Kw.

Gregg Shoal Power of Georgia Railway & Power Company, on Savannah River at mouth of Cold Water Creek.

The cyclopean concrete dam across the river gives a power head of 16 feet.

The power house on the South Carolina bank of the river has a rock and concrete base, and steel and brick superstructure.

Power Plants.—4 horizontal units, each consisting of 5 Morgan Smith runners on the same shaft, with direct connected generator, 2,300 volts, 3 phase, 60 cycles.

Total power capacity of plant is 1520 H. P. for 24 hours per day.

This plant is not run by the Georgia Railway & Power Company but is leased to a local company.

Tallulah Falls Power, of the Georgia Railway & Power Company

This development consists of: first, two large storage dams at Burton and Mathis on Tallulah River above Tallulah Falls; second, a high diversion dam at Tallulah Falls; third, a tunnel, a forebay, and six steel penstocks leading to water wheels in the bottom of the gorge to give a maximum head of 608 feet and an average effective working head of 580 feet, the six water wheels having a combined capacity of 108,000 H. P.

The Burton Storage Dam, 20 miles above Tallulah Falls, is of concrete gravity section 110 feet high with 6 foot automatic flash-boards

additional, and stores 5,280,000,000 cubic feet of water. This reservoir was completed in 1920.

The Mathis Storage Dam, seven miles above Tallulah Falls, is 300 feet long at the river level, 610 feet long at the crest, 304 feet length of spillway, 85 feet high from bottom of river to spillway crest, with 6-foot flash-boards, and is Ambursen type reinforced concrete. The thickness of dam at base is 140 feet, the storage capacity is 1,400,000,000 cubic feet. The dam was completed in 1915. The water from this dam will be drawn out through turbines having a capacity of 16,000 H. P.

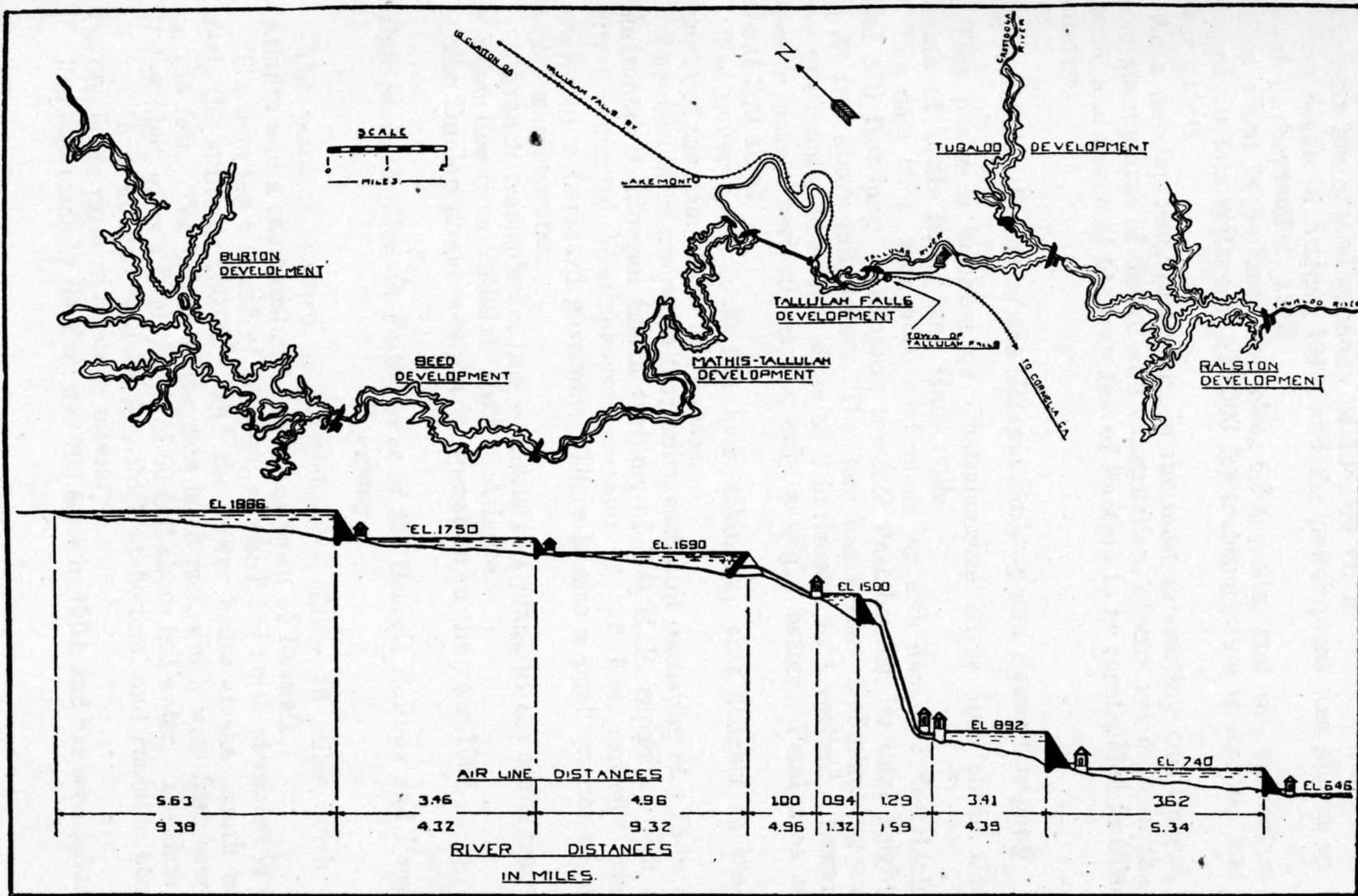
The Diversion Dam at the Falls is of concrete, gravity section, horizontal plan curved up-stream with 900-foot radius, length at bottom 100 feet, length at top 380 feet, height of crest above river bed 108 feet, with 7-foot automatic flash-boards, bringing total height to 115 feet, thickness at top 12 feet, thickness at river bed about 95 feet; reinforced concrete wagon bridge on top of dam supported on piers 20 feet high. The crest of the dam and 20 feet down on the upper and lower faces is reinforced with 12 lines of steel rails 4 feet apart and 6 inches from the surface.

The tunnel leading from the diversion dam is about 12 feet wide and 14 feet high, its net water way having an area of 151 square feet, and it has a smooth concrete lining. The total length is 6,665 feet, and the grade is 2 feet in each 1,000 feet. At its upper end the bottom of the tunnel is 46 feet below the top of flash-boards on the dam.

At the down-stream end of the tunnel there is a forebay or "surge tank" 30 feet wide, 71 feet long and 93 feet high, constructed of reinforced concrete. Leading from this down the hill to water wheels there are six steel penstocks or pipes each 60 inches in diameter and about 1,250 feet long. These penstocks are made of steel ranging from $\frac{3}{8}$ of an inch to $\frac{3}{4}$ of an inch in thickness, and there is a Venturi meter in each except number 6, for measuring the flow of water. With water standing in tunnel and penstocks, the maximum hydrostatic head is 608 feet, but the net available average head when the plant is running is 580 feet.

Excavation of entrance and in shafts and adits was 16,000 cubic yards, the excavation of tunnel proper was 53,000 cubic yards, and the tunnel lining required 19,000 cubic yards of 1:3:5 concrete. The "surge tank" or forebay required 10,800 cubic yards of rock excavation, 5,000 cubic yards of concrete, 700 tons of structural steel work and 15 tons of reinforcing steel.

The power plant is situated at the bottom of the Tallulah Gorge below the Falls which is more than 800 feet below the level of the table land on which the town of Tallulah Falls is situated. The building is of reinforced concrete, and the plant has five units, each consisting of one S. Morgan Smith suspended type Frances turbine, single bronze runner 56 inches in diameter, on vertical shaft in iron



MAP AND PROFILE OF TALLULAH AND TUGALOO RIVERS, SHOWING PLAN OF DEVELOPMENT BY THE GEORGIA RAILWAY & POWER COMPANY. THE TOTAL HEAD OF THE SIX DEVELOPMENTS (ONLY THREE OF WHICH ARE NOW COMPLETED) IS 1220 FEET. STORAGE CAPACITY 8,687,000,000 CUBIC FEET, GENERATING CAPACITY 234,000 CONTINUOUS HORSE POWER.

case, 514 r.p.m., 18,000 H. P. capacity, with an umbrella type General Electric Company generator on upper end of same shaft, 12,000 Kw. normal capacity. Each unit is controlled by a Weber type governor built by S. Morgan Smith Company. The present equipment has a total capacity of 108,000 H. P.

Work began in August, 1911, and the power plant was put in operation in September, 1913.

This plant is 3-phase, 60-cycles, 6,600 volts, and the current is stepped up to a voltage of 110,000 for transportation to Atlanta and other points.

As a development, this plant is the most interesting and unique, from standpoints of design and construction, of any yet built in the South, and is one of the very few of its kind to be constructed in this country.

The Dunlap Power of the Georgia Railway and Power Company

This power is situated on Chattahoochee River just above the mouth of Little River near Gainesville.

The dam is a rock filled continuous log crib dam. 32 feet high and 370 feet long. Including two-foot flash-boards, its total height is 32 feet above tail water. The dam has rafters and planking on the upstream side with a slope of 2 horizontal to 1 vertical. Lower face is nearly vertical, having only a slight batter. Pond area is about 350 acres.

The power house is 80 feet long, taking up that distance in that length of the dam at the left bank.

The machinery comprises four units, each unit consisting of a 36-inch horizontal S. Morgan Smith turbine, of 750 H. P. capacity, with a direct connected Westinghouse generator of 550 Kva. capacity, controlled by a Lombard governor. There is also a small exciter wheel and 2 small exciters.

A branch transmission line connects this plant to the main transmission line from Tallulah Falls to Atlanta.

The Dunlap power was put in operation in the year 1904.

Bull Sluice or Morgan Falls Power of the Georgia Railway and Power Company

The plant is situated on Chattahoochee River 16 miles north of Atlanta and a short distance below the town of Roswell.

The dam has a length of 900 feet, of which the north abutment is 25 feet, the spillway 680 feet, and the power house at the south end is 195 feet. The height of the dam is 48 feet, which with flash-boards 2 feet high, gives a total height of 50 feet above tail water. The dam is 8 feet thick at crest and 68 feet thick at bottom, and contains about 65,000 cubic yards of concrete masonry.

Pondage made by the dam was 700 acres in 1904, and has been reduced

by settling to about 100 acres. The storage is small, being limited to the two feet obtained by flash-boards.

The power plant is housed by a large masonry building 195 feet long. There are seven units, each unit consisting of two 48-inch S. Morgan Smith turbines on same horizontal shaft, making wheel unit of 2,400 H. P., with direct connected Westinghouse generator 1,500 Kva. Each unit is controlled by a Lombard governor. There are also two exciter wheels. This plant was put in operation in the year 1904.

*New Bridge Power of Georgia Railway and Power Company on
Chestatee River*

Location, in Lumpkin County, 15 miles north of Gainesville, Ga., on Chestatee River, at New Bridge, formerly known as "Leathers' Ford", on the public road leading from Gainesville to Dahlonega.

The dam is a rock-filled log crib structure, faced with plank on up-stream side of a slope of about 2 horizontal to 1 vertical. The down-stream side is vertical. The head is 27 feet.

The pond is practically filled with sediment from hydraulic mining in the gold region above.

The plant has two units, each unit consisting of a pair of 27-inch Holyoke turbines in a single case on horizontal shaft, having a capacity of 750 H. P., and a direct connected Westinghouse generator 450 Kw. normal capacity. There are also two 9-inch exciter wheels and 2 exciters.

The electric current is transmitted to Gainesville, Ga., where it is used for power and lighting purposes and for running the street car system. This plant was put in operation in 1902.

Habersham Mills Water Power

Location, on Soque River in Habersham County, near Clarksville. Soque River is a tributary of Chattahoochee River.

This property which includes 87 feet of fall in this river, was owned for many years by the Porter Manufacturing Company, whose plants consisted of a woolen mill at the upper end of the property, utilizing 10 or 11 feet of head, and the cotton mill, a quarter of a mile below it, utilizing 22½ feet.

The property was acquired by the present owners in 1906, who organized as the Habersham Mills Company. The dam and head-race at the cotton mill was repaired and the tail-race blasted out to greatly increase the power head. New water wheels, and a rope drive and new machinery in the mill, were installed. The dam can be raised to a height of 16 feet, thus increasing the head and the storage for the cotton mill, and making a storage pond that will back water to the upper end of the property submerging the site of the old woolen mill, which has not been operated by the present owners.

The mill of 10,000 spindles, is run by water wheel under a head of 47 feet.

The dam is timber construction, about 4 feet high, has a head race 7 feet wide, $7\frac{1}{2}$ feet deep and 60 feet long, leading to a vertical timber water house 22 feet high. From the bottom of the water house, a steel penstock 8 feet in diameter and 45 feet long leads to a 30 inch McCormick horizontal turbine, developing 650 H. P. The power is transmitted by a rope drive direct to the line shaft of the cotton factory.

An additional power plant of the Habersham Mills Company is located seven-eighths of a mile below on the same river, just below the mouth of Hazel Creek, known as the Hodge Shoal development.

The dam is constructed with stone buttresses 12 feet apart, 42 inches thick, 17 feet at base and $4\frac{1}{2}$ feet at top, having a slope of 45 degrees upstream. Stringers of 10x12 inch sawed timber span the buttresses, and support the floor which is two ply of 2 inch plank. The height of dam is 10 feet and the spillway is 207 feet long. From the forebay at the dam a steel tube 8 feet in diameter and $164\frac{1}{2}$ feet long leads to the power house and gives a power head of 24 feet.

The power house is built of stone and is 27 feet wide by 36 feet long. The plant consists of a pair of 33 inch S. Morgan Smith horizontal turbines developing 400 H. P. and direct connected to a Westinghouse generator 250 Kva., 3-phase, 60-cycle, 2,300 volts. The speed is controlled by a Lombard governor, and the current is transmitted to the cotton factory above mentioned, where it is used for additional power in the factory.

Power of Chestatee Pyrites and Chemical Corporation, Chestatee River, Lumpkin County.

Plant.—Rock-filled log crib dam, 25 feet high, 285 feet long. The canal is 10 feet deep, 9 feet wide at bottom, and 600 feet long to point opposite foot of shoal, giving a power head of 40 feet.

Wheel Plant.—Two units of 500 H. P. each in open penstocks, giving a total capacity of 1,000 H. P. Each unit consists of two Leffel water wheels on a horizontal shaft, running at 514 r.p.m. Unit No. 1 has a direct connected General Electric generator, 350 Kw., 2,300 volts, 3-phase, 60-cycles. Unit No. 2. has a direct connected air compressor of 2,500 feet of free air capacity, and a 1,000 r. p. m. triplex pump. The electric plant is used for power and light in the mine and village. The air and water plant is used for running power drills, ore washers, etc.

Although this company has operated on a large scale, it has never used more than one-half of the power available from the plant as now developed. There is a large surplus over and above this 1,000 H. P., which can be developed as secondary power by installing additional water wheels.

Roswell Manufacturing Company Power

Location of this plant is on Vickery's Creek in Cobb County, 20 miles north of Atlanta. The power is used to run a cotton mill which has been in successful operation since long before the Civil War, and has been enlarged and improved in recent years.

A storage dam of log and plank, 12 feet high, is located about one-half mile above the mill dam for regulating the flow of the stream.

The mill dam is of dry masonry 31 feet high, down-stream side vertical, the up-stream side having a flat slope faced with plank. A short canal and open penstock brings the water to the wheels with a head of about 36 feet.

There are two Holyoke vertical turbines that have a combined capacity of 400 H. P., which is used for running the cotton mill.

Powers of the Athens Electric Railway Company

These powers are situated on the Oconee River near Athens, Ga., and the power is electrically transmitted to Athens.

The Mitchells Bridge Plant

This power which was completed in 1896 has a pondage of 43 acres and a power head of 23 feet.

The dam is 15 feet high, rock-filled, timber construction, with masonry abutments, and has a spillway 440 feet long. The head race is 30 feet wide, 12 feet deep and 175 feet long. The tail race is 30 feet wide and 300 feet long.

The power house is 40 feet by 300 feet and contains the following machinery: One 33-inch Victor turbine, 170 r. p. m., 200 H. P., belted to 150 Kw. generator; one pair 39-inch Victor turbines, 150 r.p.m., 550 H. P., belted to 300 Kw. generator; one 39-inch Victor turbine 150 r.p.m.; 75 H. P., belted to 200 Kw., generator. All generators are 60-cycles, 3-phase, 2,300 volts. The total wheel capacity is 1,025 H. P.

Tallassee Shoals Power

Completed in 1902, water backed 4 miles and covered 189 acres. The power head is 45 feet.

The dam is 30 feet high, made of dry rock masonry and timber floored, and has rock abutments. The spillway is 366 feet long.

The canal has 270 square feet of water way and is 1,200 feet long.

The power house is of brick and stone masonry 30 feet by 50 feet. Tail race is 40 feet wide and 700 feet long.

Machinery.—2 pairs of horizontal 24-inch Victor turbines, 360 r.p.m., 650 H. P., each, direct connected to 450 Kw. generators, 3-phase, 60-cycle, 12,000 volts. Total wheel capacity 1,300 H. P.

Barnett Shoals Power

The plant, completed in 1911, backs water four miles and has a power head of 50.5 feet.

The dam is 45 feet high, reinforced concrete, Ambursen type, spillway 520 feet long.

The power house is integral with dam and is 40 feet by 102 feet, reinforced concrete. Tail race is 70 feet wide and 1,000 feet long.

The machinery consists of 4 pairs of 30-inch horizontal Allis-Chalmers turbines, 360 r.p.m., 1,350 H. P. each, direct connected to 700 Kw. generators, 12,000 volts; one 20-inch Allis-Chalmers horizontal turbine, 450 r.p.m., 200 H. P., direct connected to 100 Kw. M. P. 125-volt generator; one induction motor, 850 r.p.m., direct connected to 100 Kw. M. P. 125-volt generator. The total wheel capacity at this location is 5,600 H. P. The combined wheel installation of these three plants belonging to the Athens Electric Railway Company is 7,925 H. P.

Oconee River Mills Power

Situated on Oconee River at Milledgeville. The original mill at this site was erected in the early part of the past century, and with its successors has continued to grind corn and wheat up to the beginning of the year 1914. In the spring of 1914 it was destroyed by fire, and soon afterwards was replaced by the present hydro-electric plant.

The plant is at the lower end of a large island. The east run, or main river, is about 500 feet wide, and has a rock-filled crib dam across it near the upper end of the island, connecting the island with the east bank of the river. The west run, which is about 100 feet wide and 1,600 feet long, serves as a head race.

The power house, of reinforced concrete, is 70 feet long and its eastern abutment stands across the west channel at its lower end where it is 200 feet wide, connecting the west bank of the river with the island, and forming a dam that gives a power head of 13 feet at time of lowest river stage. At ordinary stage the head is from 10 to 11 feet.

The present plant consists of two 57-inch S. Morgan Smith. suspended type vertical wheels set in open forebays 18 feet by 22 feet, gear connected to a common horizontal jackshaft, with two General Electric, 150 Kw. generators, one at each end of the jackshaft, direct connected. The jackshaft is in two equal sections connected by a friction clutch at the center of shaft and so arranged that either generator may be run by either wheel, both generators may be run by both wheels, or either generator may be run by both wheels.

A special Lombard governor is so arranged that it controls one wheel or both wheels, as the case may be. At the ordinary head of 10 feet, each water wheel produces 250 H. P. on the generator shaft, making a total of 500 H. P. for the two wheels. Two other wheels and two other generators of the same capacity and same arrangement with governor and connections, are to be installed, making a dupli-

cate of the present plant and bringing the total capacity to 1,000 H. P.

The concrete foundations, draft tubes, wheel bases and head gates are already completed for this addition, so that it can be finished without putting cofferdams in the river.

The electric machinery is 3-phase, 60-cycle, 2,300 volts and the current is used by the Oconee River Mills Company for light and power in Milledgeville.

After allowing for all loss of power from friction in the bevel gear and jackshaft the net break horse power on the generator shaft will be as follows for the complete plant of 4 wheels and 4 generators at different heads of water:

3½ foot head of water	-----	175 H. P.
4 foot head of water	-----	240 H. P.
5 foot head of water	-----	368 H. P.
6 foot head of water	-----	520 H. P.
7 foot head of water	-----	640 H. P.
8 foot head of water	-----	760 H. P.
9 foot head of water	-----	880 H. P.
10 foot head of water	-----	980 H. P.
11 foot head of water	-----	1,070 H. P.
12 foot head of water	-----	1,120 H. P.
13 foot head of water	-----	1,200 H. P.

This company owns also a steam driven electric plant, 500 H. P. engine and 300 Kw. generator, from which they have supplied the city for several years. This will be retained and used as an auxiliary to the hydro-electric plant when needed. The company owns the city franchise for light and power.

Considerable space has been given to the description of the above plant, because it is representative of the use that can be made of hundreds of low head powers conveniently located on large streams in this State, the development of which is within the reach of local capital.

Milstead Manufacturing Company Power

Location on Yellow River near Conyers in Rockdale County.

This site was occupied for many years prior to 1900 by the Conyers Paper Mills, owned and operated by Stewart Brothers & McKnight. The paper mill, which was a large plant, was located 800 feet below the dam site, and a canal leading to it gave a power head of about 20 feet, the tail water being taken into a low level canal leading to a grist mill 500 feet farther down stream that used a head of 11 feet. In 1901 the Milstead Manufacturing Company was organized and built a new dam to a higher level, enlarged and extended the canal to utilize the entire fall, installed new water wheels and erected a large cotton mill. This work was completed in 1902.

The dam is rubble cement masonry 200 feet long and 16 feet high. The canal is 1,600 feet long, and extends along the right bank (south bank) of the river to a point opposite the foot of the shoal, where the power plant is located.

The head used is 44 feet and the plant consists of two horizontal 30-inch S. Morgan Smith turbines, 450 H. P. each, making a total wheel capacity of 900 H. P. The power is run direct to the factory machinery by rope drive.

Porterdale Power of the Bibb Manufacturing Company

Location in Newton County, near Covington.

A water power and factory have been operated at this site for many years, but in the year 1900 the Bibb Manufacturing Company increased the height of dam and rebuilt the plant to its present power.

The dam is of stone masonry, 125 feet long and 12 feet high, located at the top of the shoal. A head race and steel penstocks convey water to wheels at foot of shoal, giving a power head of 62 feet.

The wheel plant consists of 2 pairs of 28-inch horizontal Holyoke Machine Company turbines, 2 pairs of 18-inch horizontal Holyoke Machine Company turbines, 2 belted generators for lighting the plant which use 50 H. P. each. The total wheel capacity is 1,400 H. P. The power is used direct by rope drive for running the Porterdale Cotton Mill on the premises, which is devoted entirely to the manufacture of cord and cord fabrics.

Towaliga Falls Power

Location, 50 miles southeast of Atlanta in Monroe County, on Towaliga River at High Falls.

A concrete diversion dam is at the head of the falls, and a canal 1,000 feet long leads there from along the bluff to a forebay directly above the gorge. From this forebay two steel tubes 350 feet long lead to the power plant in the gorge below. One of these tubes supplies water to two pairs of wheels and the other supplies water to one pair of wheels.

The machinery consists of 2 pairs of Leffel horizontal turbines in iron cases, each pair 1,600 H. P., direct connected to a Stanley generator and controlled by a Holyoke improved governor; one pair of Leffel horizontal turbines in iron case, 1,800 H. P. direct connected to General Electric Co. generator and controlled by a Lombard governor. The three wheel units have a combined capacity of 5,000 H. P. and the current is transmitted to Griffin, Ga., for light and power.

Panola Electric Power Company Plant

Location, on South River, of the Ocmulgee watershed, in DeKalb County, about 16 miles southeast of Atlanta.

The dam is rubble masonry, 8 to 15 feet high and 400 feet long, furnishing a power head of about 20 feet, to one Davis horizontal

cylinder gate turbine of 360 H. P. capacity that operates a Stanley generator, 3-phase, 60-cycle, 2,300 volts.

The current is transmitted to Lithonia and Conyers for lighting and power.

Jackson Falls Power (Jackson Dam)

This water power is owned by the Central Georgia Power Company and is located on Ocmulgee River in Butts County near the town of Jackson, about 40 miles above Macon. It is the largest power yet developed on Ocmulgee River, its high dam giving 100 feet of fall, a storage reservoir covering an area of 4,200 acres.

The dam proper is 100 feet high and 1,750 feet long, and is 96 feet thick at its base. The spillway is 728 feet long, 420 feet of which is 3 feet lower than the rest. The dam is Cyclopean concrete masonry. The concrete power house is located at west bank of the dam.

The power plant consists of six units. Four units are pairs of S. Morgan Smith 39-inch horizontal turbines in iron case, with capacity of 5,500 H. P. at full gate, direct connected to a 3,000 Kva. Westinghouse generator. The other two units are pairs of 42-inch Smith-Wicket Gate turbines, 5,500 H. P. direct connected to 3,000 Kva. Westinghouse generators. The total capacity of wheel plant is 33,000 H. P. at full gate, but as the wheels give a higher efficiency, and are subject to better control, at a normal three-quarter gate opening, the true rating of the plant is 24,000 H. P. The total normal generator capacity is 18,000 Kva. Twenty feet at the top of the reservoir is used for storage, giving an available storage of about 3,000,000,000 cubic feet or 68,875 acre feet, and an average head of 90 feet. When 3-foot flash-boards are used the average head is 91.5 feet.

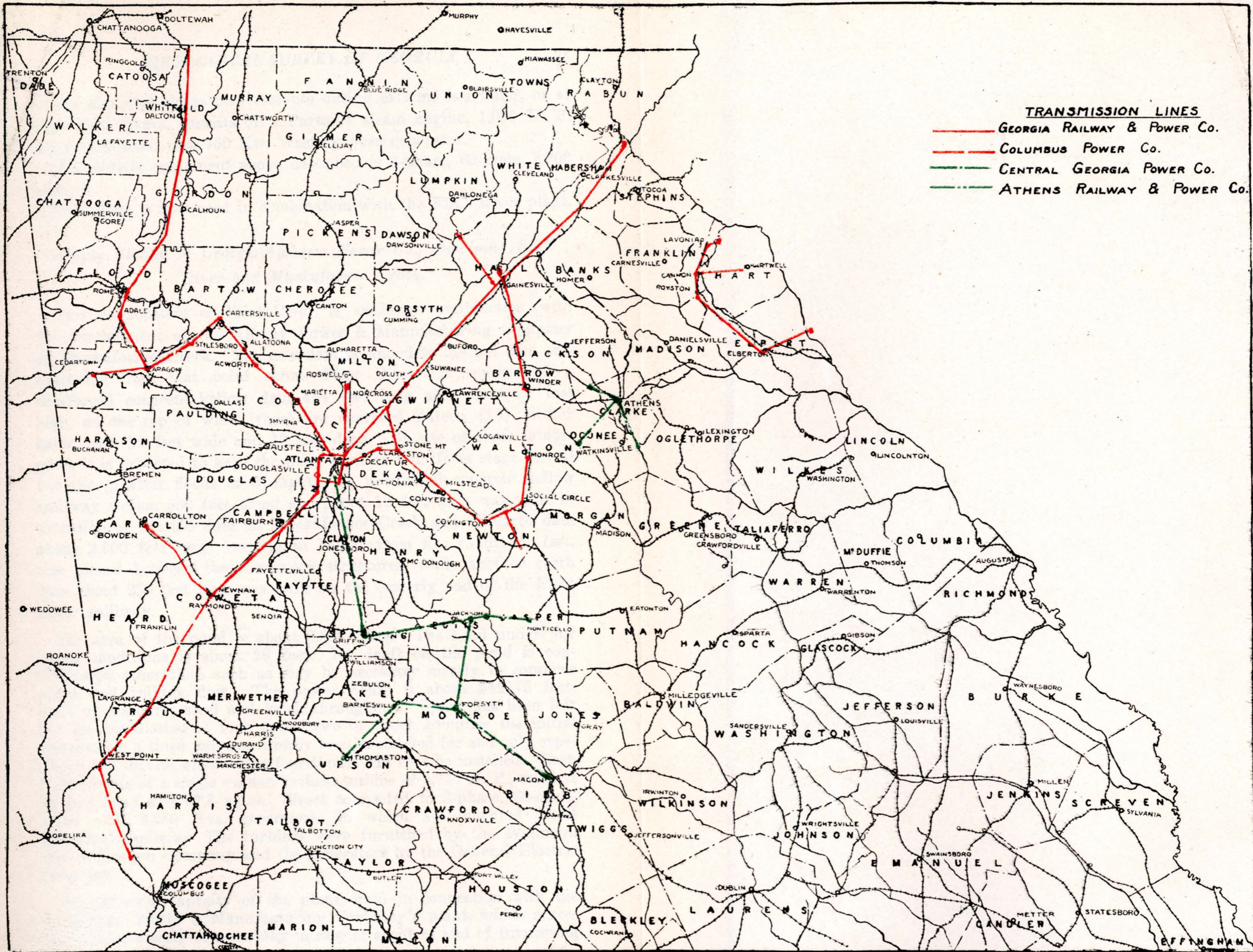
Old plant of Albany Power and Manufacturing Co., now owned by Georgia-Alabama Power Co.

Location, at Albany, in Dougherty County, on Big Muckalee Creek, below the mouth of Kinchafoonee Creek. This part of the stream is sometimes called Muckafoonee Creek.

The dam is of concrete masonry 22 feet high.

The horizontal turbines are set in open penstock. The wheel shafts run through stuffing boxes in penstock wall, with generators direct connected to shafts, and in water-tight compartment, to prevent submergence by back-water from Flint River.

The machinery consists of two 33-inch horizontal Morgan Smith turbines, 800 H. P. each, direct connected to 500 Kw. General Electric generators, and one 36-inch horizontal Morgan-Smith turbine 950 H. P., direct connected to a 750 Kw., General Electric generator. Total wheel capacity is 2,550 H. P., and total generator capacity 1,750 Kw. Each water wheel is controlled to a constant speed by a Lombard governor.



TRANSMISSION AND DISTRIBUTING LINES OF FIVE OF THE MAIN WATER POWER COMPANIES OPERATING IN GEORGIA: GEORGIA RAILWAY & POWER COMPANY, 676 MILES; CENTRAL GEORGIA POWER COMPANY, 148 MILES; COLUMBUS POWER COMPANY, 83 MILES; AUGUSTA-AIKEN POWER COMPANY, 40 MILES; ATHENS RAILWAY & ELECTRIC COMPANY, 38 MILES.

The auxiliary steam plant for use during extreme low water, or at high flood stages, consists of a Parson's steam engine, 1,000 H. P. direct connected to a 750 Kw. Westinghouse generator.

The electric equipment above described is 3-phase, 60-cycle, 2,300 volts.

This plant is now used in combination with the Flint River plant.

Albany Station of Georgia-Alabama Power Co., combining Flint River and Muckafoonee Creek.

This development of Flint River is made in conjunction with the development of the Albany Power & Manufacturing Company on Muckafoonee Creek. The new dam is joined to the old dam and extending from that point across Flint River. It consists of a reinforced concrete hollow dam 464 feet long and about 26 feet high, on the top of which there are mounted sixteen (16) tainter gates, each 25 feet wide and 10 feet deep. By use of these tainter gates it is expected to keep the pond level at a uniform stage for all but the greatest floods or droughts. A reinforced concrete hollow spillway section 500 feet long and about 12 feet high was built in extension of the old dam on Muckafoonee Creek and an earth dam about 2,600 feet long, varying in height from five to fifteen feet, was placed between these masonry structures, while another earth dam about 250 feet long was built on the easterly end of the Flint River spillway.

The area of the pond is about 2,500 acres. The head under low water conditions is about 28 feet. No draft on the pond is contemplated other than such as may be necessary merely to conserve night and holiday flow. The power house is about 54x175 feet, built of masonry, steel and brick throughout. Space has been left for the installation of four units; two of which comprise the initial installation, a third unit has already been contracted for and only experience will dictate whether the fourth unit will ever be installed. Each unit consists of a single runner, vertical turbine of 2,750 H. P., rated at 24 feet head and 87.8 r.p.m., direct connected to 3-phase, 60-cycle, 2,300 volt, 2,250 Kva. generators, on which are mounted direct connected exciters. The turbines were furnished by the Wellman-Seaver Morgan Company and the generators by the General Electric Company.

The ultimate capacity of the plant, used in connection with the old Albany Power & Manufacturing Company's plant, which serves the purpose merely of a standby in case of accident and of furnishing

power during flood periods when loss of head reduces output, will be as follows for the average year:

Primary —	26,700,000	Kw. hours delivered to consumer			
10 months — Secondary	5,730,000	“ “ “ “ “			
8 months — Secondary	3,370,000	“ “ “ “ “			
6 months — Secondary	2,070,000	“ “ “ “ “			
	<hr/>	“ “ “ “ “			
Total	37,870,000	“ “ “ “ “			
Generated from Steam --	3,320,000	“ “ “ “ “			
	<hr/>	“ “ “ “ “			
NET from water -----	34,550,000	“ “ “ “ “			

Total wheel plant on both streams 10,800 H. P.

Power produced equivalent to 12,600 ten-hour H. P. per year.

Distribution of this power will be made at 11,000 volts for local use and 44,000 volts for more distant towns.

Credille Station of Georgia-Alabama Power Company, on Pataula Creek Near Fort Gaines, Ga.

The reinforced concrete hollow dam 174 feet long and about 24 feet high has mounted on top six tainter gates, each 25 feet wide and 10 feet deep. An earth dam about 160 feet long is built in extension of this spillway on the low side of a canal of equal length, leading the water to the power house, which is built on the banks of the creek after it has passed a considerable bend. The head is 36 feet. The reservoir has an area about 135 acres. The power house is about 31x60 feet built throughout of masonry, steel and brick.

Two units comprise the entire equipment and have been installed. One of these is rated at 900 H. P. under a 35 foot head, at 225 r.p.m. and is direct connected to a vertical generator, 3-phase, 60-cycle, 2,300 volt, 750 Kva. capacity. The other unit is rated at 1,600 H. P. under a 35 foot head at 164 r.p.m., direct connected to a 1,350 Kva. generator. On top of each generator is mounted a direct connected exciter. The hydraulic equipment was furnished by the James Leffel & Company and the generators by the General Electric Company. The capacity of this plant for an average year is as follows:

Primary —	2,940,000	Kw. hours delivered to consumer			
10 months — Secondary	1,280,000	“ “ “ “ “			
8 months — Secondary	1,050,000	“ “ “ “ “			
6 months — Secondary	800,000	“ “ “ “ “			
	<hr/>	“ “ “ “ “			
Total	6,070,000	“ “ “ “ “			

Wheel plant capacity 2,500 H. P.

Power produced equivalent to 2,200 ten-hour H. P. per year.

Distribution of the power is made at 44,000 volts to Eufaula, Abbeville, Fort Gaines and other places.

*Water Power Plant, Bainbridge Power Company, on Spring Creek,
12 miles southwest of Bainbridge, Ga.*

The structure consists of a reinforced concrete power house at west bank bluff of creek; a rock-filled log crib spillway dam, 17 feet high and 270 feet long; a reinforced concrete abutment at east end of spillway; and from this abutment a rolled earth embankment 24 feet high above tailwater, and 1,600 feet long to the hill on east side, its crest width being 12 feet, and its slopes being 3 to 1 on upstream face and 2 to 1 on downstream face, with a puddle ditch and sheet piling under it to cut off underflow.

There are two power units, with space for a third unit to be installed later for increasing discharge and thus counteracting the loss of power on the other two wheels when there is excess of water and corresponding decrease of head by rise of water in the tail-race. Each unit consists of a 600 H. P., Morgan Smith turbine on vertical shaft with direct connected 500 Kw. General Electric generator on upper end of shaft, 26 feet above low tail-water.

The storage pond will cover 1,200 acres of swamp land, which reservoir regulates the flow of the creek and produces from 700 to 1,400 H. P., according to conditions.

The electric plant is 2,300 volts, 3-phase, 60-cycles, with 22,000 volt transmission lines to Bainbridge and other points.

Water Powers of West Point Manufacturing Company

The Langdale and the Riverdale water power plants of the West Point Manufacturing Company are located on Chattahoochee River, with their power houses on the right bank.

The Langdale Plant

This plant which was constructed in 1906 is located 5 miles below the city of West Point, Ga.

The dam is of stone masonry 2,060 feet long and 13 feet high, with 18-inch flash-boards, making its total height 14½ feet high.

The machinery consists of eight 60-inch turbines; two 62-inch turbines and two 39-inch turbines, the total capacity of the twelve water wheels being estimated at 3,600 H. P.: one generator 750 Kw., 3 generators 350 Kw. each, and 1 generator 240 Kw., the five generators having a total capacity of 2,640 Kw.

The Riverdale Plant

Location, 7 miles below West Point, Ga. The first plant at this location is said to have been erected in 1886. The present plant was erected in 1905.

The dam is of stone masonry, 200 feet long, with approaches of 200 feet, making a total length of 400 feet. It is constructed on top of shoal and has a height of only 9 feet, but it gives a head of 13 feet

on the water wheels. Only about one-half of the water in the river is now used at this plant. The other half flows on the east side of a high island, about 100 acres in area.

The present power plant consists of two double 58-inch turbines having a total capacity of 1,000 H. P., which is used directly from the wheels to run a cotton factory on the premises. There is no electrical development. The wheel house is designed for the installation of two additional wheels, same size as present wheels.

Goat Rock Power of the Columbus Power Company

Location, on Chattahoochee River, about 10 miles above Columbus. The dam and one-half of the power house were constructed in 1912.

The dam is of Cyclopean concrete masonry, 1,212 feet long, 70 feet high, 70 feet thick at bottom and has a spillway 910 feet long. It contains 124,000 cubic yards of masonry.

The power house, to which 25 feet was added in 1920, is 140 feet long, 56 feet wide and 77 feet high. It is located at the west or Alabama end of the dam.

The plant consists of four units; units No. 1 and No. 2 consisting each of a S. Morgan Smith horizontal turbine 4,800 H. P. direct connected to Westinghouse generator, 3,750 Kva.; unit No. 3 consisting of an Allis-Chalmers horizontal turbine 8,000 H. P., direct connected to Allis-Chalmers generator 6,250 Kva.; unit No. 4 consisting of S. Morgan Smith turbine 8,000 H. P. direct connected to Allis-Chalmers generator 6,250 Kva.

The ultimated capacity of this station will be 37,500 Kva., when additional power house space and wheels are provided. The pond extends 6 miles up the river and covers about 1,000 acres. The average power head is 68 feet, which can be increased 5 feet by deepening the tail race. The power is transmitted to Columbus and other points.

North Highlands Power of the Columbus Power Company

Located at North Highlands in the northern part of the city of Columbus on Chattahoochee River. The plant was erected in 1898-99.

The dam is of rubble concrete masonry, reaching across the river from the bluff to the Alabama shore, and is 43 feet high, giving a head of about 43 feet on the wheels. There are two separate power plants at this dam; plant No. 1, which generates electricity for transmission, has two pairs of Holyoke Machine Company 39-inch horizontal wheels, three pairs of Holyoke Machine Company 42-inch horizontal wheels, and one pair of S. Morgan Smith 56-inch wheels, the total capacity of this wheel plant being 9,200 H. P. These wheels operate five Stanley generators, 1,080 Kw. each and one Westinghouse generator 1,500 Kw. giving a total capacity of 6,900 Kw.

Plant No. 2 operates the factory of the Bibb Manufacturing Company by rope drive, has 2 pairs of Holyoke 36-inch horizontal wheels and one 24-inch Holyoke horizontal wheel, the total capacity of this wheel plant being 1,500 H. P. Total wheel installation is 10,700 H. P. capacity.

The back-water at the North Highlands dam covers an area of about 50 acres when the pond is full, but it affords very little storage. Four-foot flash-boards are used during low water periods.

City Mills Power, Columbus, Georgia

Location, on Chattahoochee River in the city of Columbus, below the North Highlands dam and above the Eagle and Phoenix dam.

The first plant on this site was erected in 1845 for grinding corn and wheat and the present city mills is the result of a gradual development from that beginning.

The dam is of rubble concrete masonry extending entirely across the river, the mills and power house being part of the dam and extending well out into the river from the Georgia bank. The spillway is 600 feet long. The height of the dam is sufficient to furnish a power head of 10 to 11 feet, above tail water.

Machinery.—There are two plants at this dam; Plant No. 1 runs the city mills, and Plant No. 2 was put in by the Columbus Power Company under a lease from the City Mills Company for utilizing the surplus power over and above 600 H. P., reserved by the City Mills Company for its own use.

Plant No. 1 of the City Mills Company has two 74-inch Leffel Samson vertical turbines, set in open water house, which have a capacity of 350 H. P. each at a 10 foot head, but will furnish a total of 600 H. P. with 9 foot head. The wheels are operated with gate openings that confine the capacity to 600 H. P.

Plant No. 2 of the Columbus Power Company operates vertical wheels and rope drives that run direct from the vertical wheel shafts to the generators. This plant consists of six 68-inch Leffel Samson vertical turbines having a total capacity of 1,076 H. P., and the generators belted to them have a capacity of 800 Kw. This was the first water power plant that was operated by the Columbus Power Company. It began operation about the year 1896.

Eagle and Phoenix Mills Power, Columbus, Ga.

Location, on Chattahoochee River in the city of Columbus, at the head of navigation.

A cotton factory was erected at this site in 1834. An additional mill, known as the Coweta Falls Factory, was established in 1844. Others were added at the same site prior to 1849, and the Eagle Mills were added in 1851. The site is now occupied by the Eagle and Phoenix Mills and the Muscogee Mills, which two companies having

absorbed the other interests, now utilize the entire power. The Eagle and Phoenix Mills get its power direct by rope drive, but power for the Muscogee Mill is electrically transmitted.

The dam, which was built in its present form in 1865, is of rubble masonry, 27 feet high. The wheel plant, as at present installed, is estimated at 5,900 H. P.

Etowah Mills, Cartersville, Ga.

Location, on Etowah River about 2 miles south of Cartersville and about one mile below the highway bridge on the road leading to Emerson.

A grist mill has occupied this site for many years. The present plant was erected in 1901, using the old dam as it stood, but tearing away the old mill and erecting a three-story merchant mill in its place, which has recently been converted into a plant for grinding and refining barytes (sulphate of barium).

The dam is a timber structure that originally gave a power head of about 5 feet. Building it up slightly and deepening the tail-race increased the head to 6 feet. The company has since acquired property up the river that will allow the dam to be raised 4 feet higher.

The power plant consists of two 68-inch Leffel Samson turbines on vertical shafts having a capacity at 6 foot head of 137 H. P. each, or a total capacity for the two wheels of 274 H. P. There is room in the water house for a third wheel of the same size which would bring the total capacity at 6 foot head up to 411 H. P.

A new dam can be economically constructed just below the old one to give a 10 foot head without backing the water beyond the present upper line of the property, which would give the present wheels a capacity of 295 H. P. each or a total capacity for three wheels of 885 H. P.

GEOLOGICAL SURVEY OF GEORGIA

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Summary of developed water powers in Georgia

STATIONS	Present development H. P.	Ultimate development H. P.
Augusta Canal, Savannah River Wheels at Steven Mills.....	11,458	11,458
Stevens Creek Power, Savannah River, Georgia-Carolina Power Company.....	15,625	31,250
Elberton Light & Power Company, Beaverdam Creek.....	360	360
Georgia Railway & Power Company		
Tallulah Falls on Tallulah River.....	108,000	108,000
Gregg Shoals on Savannah River.....	1,520	1,520
Dunlap Power (Gainesville) on Chattahoochee River.....	3,000	3,000
Bull Sluice Power on Chattahoochee River.....	16,800	16,800
New Bridge Plant (Gainesville) Chestatee River.....	1,500	1,500
Habersham Mills Company, Soque River.....	1,050	1,050
Chestatee Pyrites & Chemical Co. Plant, Chestatee River....	1,000	1,000
Roswell Mfg. Company, Vickery's Creek.....	400	400
Bainbridge Power Company, Spring Creek.....	1,200	1,400
Ga.-Ala. Power Company:		
Albany Plant on Flint River and Muckafoonee Creek.....	10,800	13,550
Credille Plant on Pataula Creek.....	2,500	2,500
Athens Electric Ry. Co., Oconee River		
Mitchells Bridge.....	1,025	1,025
Tallasee Shaols.....	1,300	1,300
Barnett Shaols.....	5,600	5,600
Oconee River Mills, Milledgeville.....	500	1,000
Porterdale Mills, Yellow River.....	1,400	1,400
Towaliga Falls, Towaliga River.....	5,000	5,000
Panola Electric Company, South River.....	360	360*
Central Georgia Power Company, Jackson Dam, Ocmulgee River.....	24,000	24,000
West Point Mfg. Co., Chattahoochee River		
Langdale Plant.....	3,600	3,600
Riverdale Plant.....	1,000	1,000
Columbus Power Company, Chattahoochee River		
Goat Rock.....	25,600	25,600
North Highlands.....	10,700	10,700
Part of City Mills Power.....	1,076	1,076
City Mills Power, Chattahoochee River.....	600	600
Eagle & Phoenix Mills, Chattahoochee River.....	5,900	5,900
Etowah Mills, Etowah River.....	274	885
Total.....	262,148	282,834

The estimated horsepower above given, it should be noted, is in water-wheel capacity, the present development being capacity as now installed and the ultimate development being the full water-wheel capacity of the plant when equipped according to the original designs.

The smaller developed water powers of the State have not been in-

*Dismantled and to be rebuilt with larger wheel plant.

cluded in the above estimates on account of the great difficulty in securing reliable data. Had these powers been included the above total present developed water powers would be increased by possibly as much as 10,000 H. P.

PROPOSED WATER POWER AND NAVIGATION DEVELOPMENT ON CHATTAHOOCHEE RIVER

Contrary to the general idea that water power streams are of little or no value for navigation purposes, recent developments and investigations show that the full utilization of water power by a chain of dams also creates a means of navigation which may become a very important and valuable part of the development.

The U. S. Engineer Corps has made surveys, borings, and estimates for a series of high dams on Chattahoochee River from Columbus up to Atlanta, each dam to back water up to the foot of the next dam above it, and thus create a chain of lakes that will give continuous navigation up the river above Columbus, by constructing locks at the dams.

The water power to be produced by these dams must be the main object of their construction. Incidentally, the constant flow produced by the storage of the dams, will greatly increase the water power, and give a constant navigable channel for large boats from the Gulf up to Columbus, while the construction of the locks will give navigation for the same craft from Columbus up the river.

In accordance with this general plan, and based partly on the data shown by these new government surveys and partly on the work of the United States Geological Survey in the form of river profiles, topographic maps and stream gaging, a system of dams covering the whole length of the river for Columbus up to Gainesville has been worked up by Mr. B. M. Hall, senior author of this report, for the purpose of showing the amount of power which can be developed and the general advantages which would be derived for such a system of dams, including continuous navigation from the lower Chattahoochee up to Gainesville.

The map and profile herewith showing the proposed full development gives the correct location and height of each dam and the distances between.

The fall of Chattahoochee River from Gainesville down to the head of navigation at Columbus, Georgia, is 795 feet, in a distance of 205 miles. Two hundred and twenty-five feet of this fall is already developed by dams that are producing water power for cotton mills and for electric transmission, leaving a total fall of 570 feet, in which the water is now running to waste.

The full development of the Chattahoochee power from Columbus up to Gainesville, would require nine new dams in addition to the seven dams already in operation. The power at five of these existing dams would be greatly increased by the storage at the proposed new dams.

The following statement shows the dams that would constitute the full development of the power.

(1) *The Eagle and Phoenix Dam* just above navigable water at Columbus is 26 feet high and has been in operation for many years. With mean low water under present conditions it is capable of producing about 4,400 H. P. 24 hours per day. (Mean low water means ordinary low water, not "minimum").

Full development by proposed dams farther up the river will store flood at flush stages, and give a uniform flow of 4,400 second feet, which, with a head of 26 feet at the Eagle and Phoenix Dam will produce 10,400 H. P. 24 hours per day on water wheels realizing 80% of the theoretical power.

Such an increase will add 6,000 H. P. to this plant without any expense to the owners except the installation of additional water wheels. 10,400 H. P. 24 hours per day is equivalent to 24,960 H. P. 10 hours per day.

(2) *The City Mills Dam* in Columbus, just above the Eagle and Phoenix; Height of dam 10 feet, present power at mean low water is about 1,700 H. P. 24 hours per day. With full development up the river, the regular flow at this dam will be capable of producing 4,000 H. P. 24 hours per day.

(3) *The Present North Highlands Dam*, 2 miles above navigable water at Columbus is 40 feet high, and with the flow of the river at mean low water is able to produce 7,000 H. P. 24 hours per day. With the proposed storage dams above, it can produce 16,000 H. P. 24 hours per day, equivalent to 38,400 H. P. 10 hours per day.

(4) *Proposed Clapp Factory Dam*, 74 feet high, power without storage would be at mean low water about 13,000 H. P. 24 hours per day. With the proposed development above it will produce 28,000 H. P. 24 hours per day, or 67,000 H. P. 10 hours per day. This dam would be on the south boundary of the Chattahoochee Falls Company land. A 66-foot dam with crest at same level can be constructed a half mile farther up the river, leaving 8 feet below it that can be added to the North Highlands Dam.

(5) *Present Goat Rock Dam*, 12 miles above Columbus. Present conditions without storage of other proposed dam above, at mean low water, will produce about 12,500 H. P. 24 hours per day or about 30,000 H. P. 10 hours per day. This dam is 70 feet high.

With the regulation of the proposed dams above, it can produce a constant 27,200 H. P. 24 hours per day, or 65,280 H. P. 10 hours per day.

(6) *Proposed Dam One Mile Below Brawner's Ferry*, 17 miles above Columbus, height 66 feet, average power head 65 feet, and a regulated flow of 4,400 second-feet, will produce 26,000 H. P. 24 hours per day, equivalent to 62,400 H. P. 10 hours per day.

(7) *Proposed Hargett Island Dam*, 56 feet high, with 55 foot head and 4,400 second-feet will produce 22,000 H. P. 24 hours per day or 52,800 H. P. 10 hours per day.

(8) *The Present Langdale Dam*, on which the added flow due to the proposed regulation will produce an extra 2,250 H. P. 24 hours per day, or 5,400 H. P. 10 hours per day.

(9) *Proposed West Point Dam*, 37 miles above Columbus, height 33 feet, average power head 32 feet, regulated flow 3,850 second-feet, which will produce 11,200 H. P. 24 hours per day, or 26,900 H. P. 10 hours per day.

(10) *Proposed LaGrange Dam*, 54 miles above Columbus, 36 feet high, average working head 35 feet, with regulated flow of 3,850 second-feet, will produce 12,350 H. P. 24 hours per day or, 29,600 H. P. 10 hours per day.

(11) *Proposed Franklin Dam*, 72 miles above Columbus, height 117 feet, average power head 106 feet, with a regulated flow from the storage in this dam of 3,520 second feet. This will produce 33,900 H. P. hours per day, or 81,300 H. P. 10 hours per day. The storage at this dam will be so great that it will give a regulated flow of 3,520 second-feet, independently of any storage dams farther up the river.

(12) *Proposed Vinings Dam, opposite Atlanta*, 141 miles above Columbus, height 52 feet, average power head 48 feet, with regulated flow of 1,540 second-feet, that will produce 6,720 H. P. 24 hours per day, or 16,100 H. P. 10 hours per day.

(13) *The Present Bull Sluice Dam*, 151 miles above Columbus, height of dam and flashboards 50 feet, with regulated flow of two proposed dams above of 1,320 second-feet, will give 6,000 H. P. 24 hours per day, or 14,400 H. P. 10 hours per day.

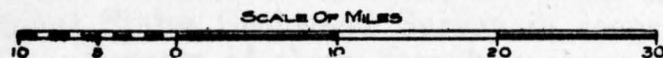
(14) *The Proposed Roswell Dam*, 2 miles above Roswell and 157 miles above Columbus, height 52 feet, average power head 58 feet with regulated flow of 1,320 second feet, giving 6,960 H. P. 24 hours per day, or 16,700 H. T. 10 hours per day.

(15) *The Proposed Buford Dam*, 180 miles above Columbus, height a dam 70 feet, average power head 68 feet, with regulated flow of 1,100 second-feet, giving 6,800 H. P. 24 hours per day or 16,300 H. P. 10 hours per day.

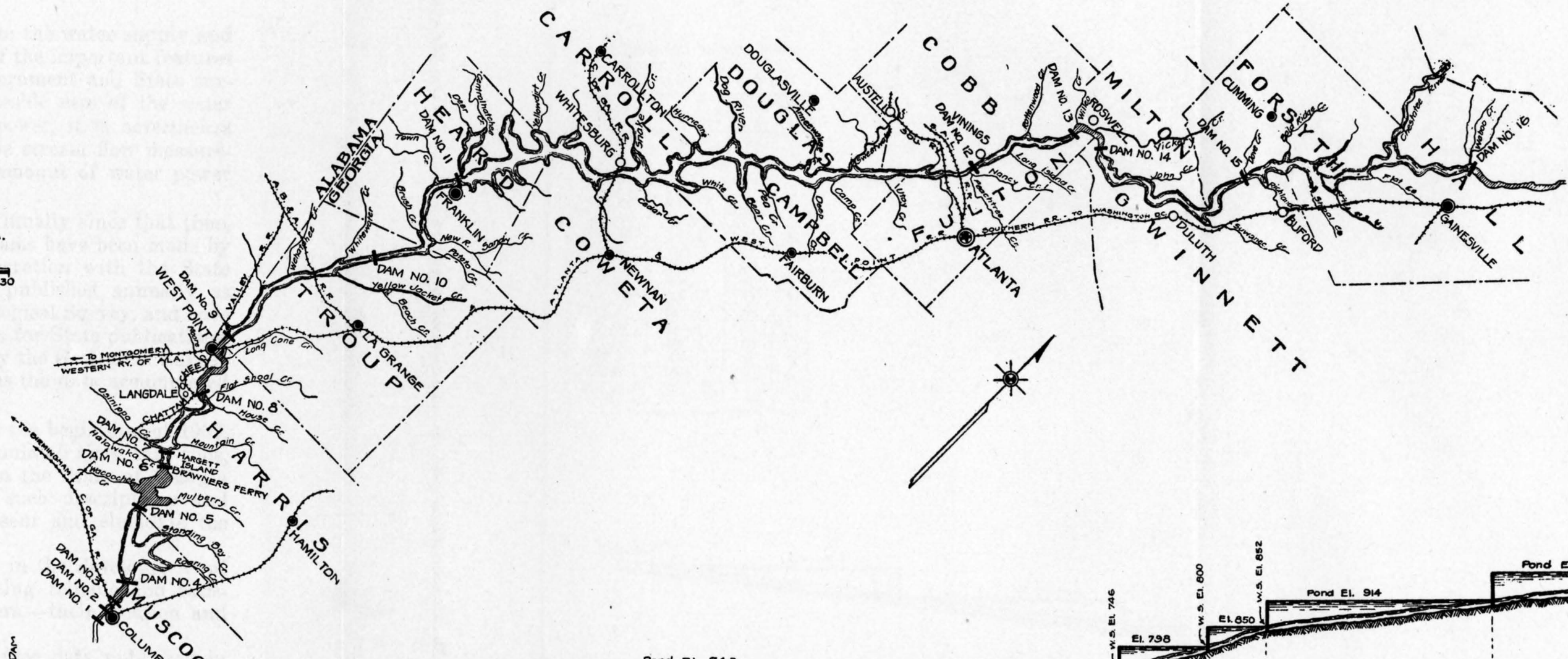
(16) *The Present Gainesville Dam*, 205 miles above Columbus, height 36 feet, mean low water flow 440 second-feet, capable of producing 1,440 H. P. 24 hours per day, or 3,500 H. P. 10 hours per day.

The difference of the flow at this dam and the proposed Buford dam is due to tributaries coming in between them, the largest of which are Little River and Chestatee River.

PLAN AND PROFILE
OF PROPOSED
CHATTAHOOCHEE RIVER
COMPLETE DEVELOPMENT
FOR POWER AND NAVIGATION
FROM COLUMBUS, GA. UP TO GAINESVILLE, GA.



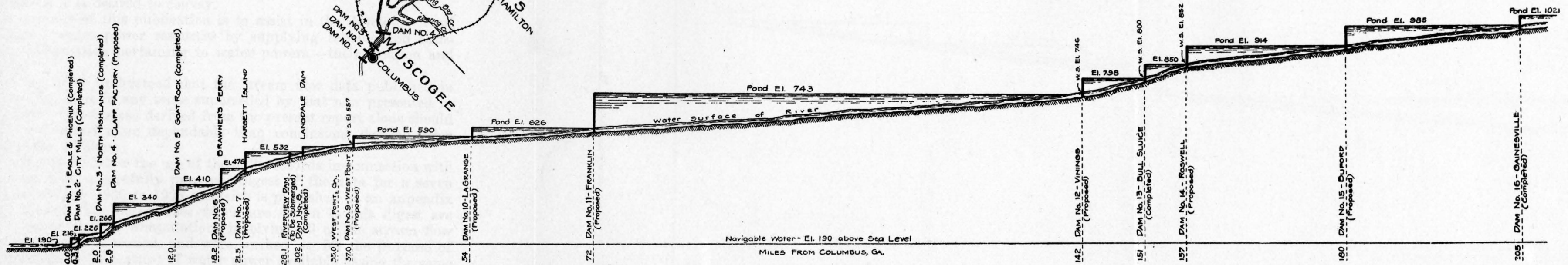
BY B. M. HALL,
SPECIALIST IN WATER POWER INVESTIGATIONS,
FOR GEOLOGICAL SURVEY OF GEORGIA.



HORSE POWER OBTAINABLE
BY PROPOSED SYSTEM OF
STORAGE AND POWER DAMS

DAM NO.	HEIGHT IN FEET	H. P. 24 HOURS PER DAY	H. P. 10 HOURS PER DAY
1*	26	10,400	25,000
2*	10	4,000	9,600
3*	40	16,000	38,400
4	74	28,000	67,200
5*	70	27,200	65,300
6	66	26,000	62,400
7	56	22,000	52,800
8*		2,250	5,400
9	33	11,200	26,900
10	36	12,350	29,600
11	117	33,900	81,300
12	52	6,720	16,100
13*	50	6,000	14,400
14	62	6,960	16,700
15	70	6,800	16,300
16*	36	1,440	3,500
TOTAL		221,220	530,900

Note: *Dams Already Completed.



STREAM FLOW DATA

INTRODUCTORY

The accumulation of knowledge pertaining to the water supply and to water power has become recognized as one of the important features of economic investigations carried on by government and State surveys, and although the essential and indispensable uses of the water supply are other than for the production of power, it is nevertheless a fact that the principal reason for systematic stream flow measurements is to furnish data for estimating the amount of water power which can be obtained.

Begun in the year 1895 and carried on continually since that time, daily records of the amount of the flow of streams have been made by the United States Geological Survey in cooperation with the State Surveys. Reports of these data have been published annually as Water Supply Papers of the United States Geological Survey, and have also been compiled at intervals of several years for State publications, the last report of such data previously issued by the Geological Survey of Georgia being Bulletin No. 16 which contains the data accumulated up to the end of the year 1906.

The present volume takes up the records at the beginning of 1907, and contains all of the stream flow data accumulated since that time, together with a report of the water powers in the State of Georgia both developed and undeveloped, including such descriptions and illustrations as are required to properly present and elucidate the information it is desired to convey.

The purpose of this publication is to assist in the development of the State's water power resources by supplying reliable and satisfactory information pertaining to water powers,—their location and capacity.

It is not to be understood that the stream flow data published in Bulletin No. 16 is in any sense superseded by that now presented in this report. Conclusions derived from the present report alone should not be considered more dependable than conclusions derived from Bulletin No. 16 alone.

In order to facilitate the use of the older records in connection with the newer ones, a carefully prepared digest of the data for a seven year period from 1900 to 1906 inclusive is published as an appendix to this report. The flow values which are shown in this digest are the results of lengthy computations involving all of the stream flow data for the period named, and were worked up for the purpose of estimating the total amount of water power available basing the same upon a definite and uniform standard of flow, which is fully explained in connection with the data given.

WATER SUPPLY

The water supply, broadly speaking, includes the ground water accumulations, the reservoirs or lakes at low surface level and the mobile or flowing waters of the water courses. The latter class is here especially referred to, as it is these flowing streams that go on forever that have a surplus of energy available for power.

Surface water supply, and stream flow are terms used to designate this division of the water resources. Its measure is in unit volumes per unit of time, as gallons per minute and cubic feet per second, meaning when not otherwise specified the rate of continuous flow for twenty-four hours per day.

Obviously the rainfall is the primary source of such water supply; therefore the amount and distribution of the rainfall determine to a large extent the amount and constancy of the stream flow. Other determining factors are: climate as in the effect of freezing and excessive evaporation; geological structure, more or less favorable for admitting a portion of the rain water into the ground from which it drains into the streams below between periods of rainfall; topographic structure or elevation forming depth of ground storage above the stream level, thereby increasing such storage capacity in the mountain areas above that available in the flatter country where the surrounding lands are only slightly higher than the streams.

That the conditions other than rainfall do greatly affect the amount of stream flow, especially at low season, is abundantly shown by the records of flow in the different parts of the State; for example the low water flow for the average year (see average year flow in appendix) in the upper portions of Savannah, Chattahoochee, Coosa and Tennessee rivers in northeastern Georgia is shown to be from 1.11 to 1.58 cubic feet per second while for Ocmulgee and Oconee river stations in the central portion of the State the similar flow is about one-half of a cubic foot, and for the Ochopee and Cannoochee rivers farther south, in the Coastal Plains, it is less than one-tenth of a cubic foot per second.

These comparisons show the inadequacy of the older method of estimating flow by use of rain fall data, and emphasize the importance of actual measurements such as are here given, when a dependable knowledge of the stream flow for a basis for estimating water power is required.

METHODS AND DEFINITIONS

When it is decided to make a record of the flow of a stream, a suitable point on the stream is selected and a gaging station where the measurements are to be made is established. The essential equipment at a gaging station consists of (1) a gage capable of showing or recording the exact height of the water surface at all times, and (2) some facility for measuring the discharge or amount of flowing water, such as cableway, bridge boat or wading section, it being necessary

to measure the depth and the velocity of the water at intervals all the way from one edge to the other.

The record of water surface heights called "gage heights" and "stage" are made either continuously by use of an automatic recording gage, or are read one or more times daily by observing the height of the water surface on a staff gage, called reading the gage. This is done by a gage reader or observer employed for the purpose.

The discharge measurements are made in most all cases by use of a current meter, a portable instrument which is carried from station to station by the engineer doing the work.

These two sets of records together with various notes, are the base data from which the daily flow records are computed; for, having a number of measured discharges and the gage height at the time of each measurement, it is possible to compute discharges corresponding to the intervening gage heights.

The table of computed discharges corresponding to all gage heights is called the station rating table, which expresses the relation of the flow to the water surface height, for a certain period of time. Fortunately these relations remain so nearly constant for well selected normal stations that only slight changes in the rating, if any at all, have been required from year to year. This station rating table is used with the daily gage height, giving for each gage height the corresponding discharge.

Prior to 1909 the rating table has been given together with the daily gage heights which enables the user to work out his daily discharges. Since 1909 the daily discharges have been computed and are published instead of the gage heights and rating tables, and the gage heights are not published except for periods for which the daily discharges have not been determined.

Another change in the form of the tabulations which will be noticed is the change from the calendar year to the year ending on September 30. The reason for this change is that at the beginning of January much of the precipitation in the preceding months may be stored as ground water or in ponds, lakes, and swamps. At the end of September, on the other hand, the only stored water available for run-off is usually 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 table of daily discharge gives, in general, the discharge in second-feet corresponding to the mean of the gage heights read each day.

In the table of monthly discharge the column headed "Maximum" gives the mean flow for the day when the mean gage height was highest, and may not indicate correctly the discharge when the water surface was at crest height. Likewise, in the column headed "Minimum" the quantity given in the mean flow for the day when the mean gage height was lowest. The column headed "Mean" is the average flow in

cubic feet for each second during the month. On this average flow the computations recorded in the remaining columns are based.

"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.

"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 to time and area.

"Run-off (depth 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.

The following terms not in common use are here defined:

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

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

The "point of zero flow" for a gaging station is that point on the gage—the gage height—to which the surface of the river would fall if there were no flow.

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.

Footnotes added to the daily discharge tables give information regarding the probable accuracy of rating tables used. For the rating tables, "well defined" indicates, in general, that the rating is probably accurate within 5 per cent; "fairly well defined," within 10 per cent; "poorly defined" or "approximate," within 15 to 25 per cent. These notes are very general and are based on the plotting of the individual measurements with reference to the mean rating curve.

The letter in the column headed "Accuracy," in the monthly discharge table, rates the accuracy of the monthly mean and not that of the estimate of maximum or minimum discharge or the discharge for any one day. The rating is determined by considering the accuracy of the rating curve, the probable reliability of the observer, the number of gage readings per day, the range of the fluctuation in stage, and

local conditions. In this column A indicates that the mean flow is probably accurate within 5 per cent; B, within 10 per cent; C, within 15 per cent; D, within 25 per cent. Special conditions are covered by footnotes.

GAGING STATIONS

The streams of Georgia drain into the Atlantic Ocean mainly through Savannah, Ogeechee and Altamaha rivers, and into the Gulf of Mexico mainly through Apalachicola, Mobile and Tennessee rivers.

Gaging stations have been maintained on the principal streams and many of the smaller tributaries of these river systems. These stations have been named, usually after the nearest town. The location of each gaging station is shown on the map, plate

The order of listing the stations and the publication of data is from east to west, beginning with the uppermost station of the main stream or its principal tributary and going down stream through all of the stations on the main stream, then following in the same order with the stations on each tributary stream taking the uppermost tributary first.

The list of stations shows in the above named order, all of the regular gaging stations which have thus far been maintained and the years of records available for each. Records since the beginning of 1907 are published in this report and reference is made to Geological Survey of Georgia Bulletin No. 16 for data prior to 1907.

LIST OF GAGING STATIONS

SAVANNAH RIVER BASIN

Chattooga River (head of Savannah River) near Clayton, Ga., 1907-8.
 Chattooga River near Tallulah Falls, Ga., 1917-
 Tugaloo River (continuation of Chattooga River) near Toccoa, Ga., 1907-8.
 Tugaloo River near Madison, S. C., 1898-1901; 1903-1910.
 Savannah River near Calhoun Falls, S. C., 1896-1903.
 Savannah River at Woodlawn, S. C., 1905-10.
 Savannah River at Augusta, Ga., 1884-1906.
 Stekoa Creek near Clayton, Ga., 1907-8.
 Tallulah River near Seed, Ga., 1916-
 Tallulah River near Lakemont, Ga., 1916-
 Tallulah River at Mathis, Ga., 1912-1916.
 Tallulah River at Tallulah Falls, Ga., 1900-1901; 1904-1912.
 Tiger Creek at Lakemont, Ga., 1916-
 Broad River (of Georgia) near Carlton, Ga., 1897-1912.

OGEECHEE RIVER BASIN

Ogeechee River near Millen, Ga., 1903.
 Williamsons Swamp Creek near Davisboro, Ga., 1903-4.
 Cannoochee River near Groveland, Ga., 1903-1907.

ALTAMAHA RIVER BASIN

South River (head of Ocmulgee River, which is head of Altamaha River) near Lithonia, Ga., 1903-4.
 Ocmulgee River near Jackson, Ga., 1906-1915.
 Ocmulgee River near Flovilla, Ga., 1901-1905.
 Ocmulgee River at Juliette, Ga., 1916-
 Ocmulgee River at Macon, Ga., 1893-1912.
 Yellow River at Almon, Ga., 1897; 1899-1901.
 Alcovy River near Covington, Ga., 1901-1904.
 Alcovy River near Stewart, Ga., 1905-6.
 Towaliga River near Juliette, Ga., 1899-1901.
 Oconee River at Barnett Shoals, near Watkinsville, Ga., 1902.
 Oconee River near Greensboro, Ga., 1903-1920.
 Oconee River at Carey, Ga., 1896-1898.
 Oconee River at Fraley's Ferry, near Milledgeville, Ga., 1906-1908; 1909-1920.
 Oconee River at Milledgeville, Ga., 1903-1905.
 Oconee River at Dublin, Ga., 1894-1912.
 Middle Oconee River near Athens, Ga., 1901-2.
 Apalachee River near Buckhead, Ga., 1901-1908.
 Ochoopee River near Reidsville, Ga., 1903-1907.

APALACHICOLA RIVER BASIN

Chattahoochee River (head of Apalachicola River) near Aerial, Ga., 1907-1909.
 Chattahoochee River near Leaf, Ga., 1907.
 Chattahoochee River near Gainesville, Ga., 1901-1903.
 Chattahoochee River near Buford, Ga., 1901.
 Chattahoochee River near Norcross, Ga., 1903-1920.
 Chattahoochee River at Oakdale, Ga., 1895-1904.
 Chattahoochee River at West Point, Ga., 1896-1910; 1912-1920.
 Chattahoochee River at Alaga, Ala., 1908-1912.
 Soque River near Demorest, Ga., 1904-1909.
 Sweetwater Creek near Austell, Ga., 1904-5; 1913.

Flint River near Molina, Ga., 1897-98.
Flint River near Woodbury, Ga., 1900-1920.
Flint River near Musella, Ga., 1907.
Flint River near Culloden, Ga., 1911-1920.
Flint River near Montezuma, Ga., 1905-1909; 1911-12.
Flint River at Albany, Ga., 1897-1919.
Flint River at Bainbridge, Ga., 1908-1913.
 Little Potato (Tobler) Creek near Yatesville, Ga., 1914-1918.
 Kinchafoonee Creek near Leesburg, Ga., 1905-1909.
 Kinchafoonee Creek near Albany, Ga., 1903.
 Muckalee Creek near Albany, Ga., 1903.
 Ichawaynochaway Creek at Milford, Ga., 1905-1907.

MOBILE RIVER BASIN

Cartecay River (head of Mobile River) near Cartecay, Ga., 1904-5; 1907; 1918-1920.
Coosawattee River (continuation of Cartecay River) at Carters, Ga., 1896-1908;
 1918-1920.
Oostanaula River (continuation of Coosawattee River) at Resaca, Ga., 1892-1901;
 1905-1920.
Coosa River (continuation of Oostanaula River) at Rome, Ga., 1897-1903.
 Ellijay River at Ellijay, Ga., 1907; 1918-1920.
 Conasauga River at Beaverdale, Ga., 1907-8.
 Etowah River near Ball Ground, Ga., 1907-1915; 1918-1920.
 Etowah River at Canton, Ga., 1892-1905.
 Etowah River near Rome, Ga., 1904-1920.
 Etowah River at Rome, Ga., 1903.
 Amicalola River near Potts Mountain, Ga., 1907-8; 1910-1913.
 Long Swamp Creek near Ball Ground, Ga., 1918-1920.

TENNESSEE RIVER BASIN

Hiwassee River near Hayesville, N. C., 1907-1909.
 Nottely River at Ranger, N. C., 1901-1905; 1914-1920.
 Toccoa River (head of Ocoee River) near Dial, Ga., 1907-8; 1913-1918.
 Toccoa River near Blueridge, Ga., 1898-1903.
 Toccoa River near Morganton, Ga., 1913-1918.
 Ocoee River at McCays (Copper Hill) Tenn., 1903-1913.

NOTE.—All of the records above noted prior to 1907 have been published in Bulletin No. 16, Geological Survey of Georgia.

DETAILED DESCRIPTION OF GAGING STATIONS
AND RECORDS OF FLOW

SAVANNAH RIVER BASIN

Savannah River rises on the southern slope of the Blue Ridge, in the northeast corner of Georgia and the northwest corner of South Carolina, some of its headwaters coming across the State line from North Carolina. Its general course is southeast, and it forms the boundary between Georgia and South Carolina from the North Carolina line to the Atlantic Ocean. The basin is about 260 miles long and contains about 11,100 square miles.

The principal tributaries are Tallulah, Seneca, and Broad rivers. The name Tugaloo River is applied to the main stream above the mouth of the Seneca, and in turn it becomes Chattooga River above the mouth of the Tallulah.

A small area of the upper end of the basin lying in the Appalachian Mountains has an elevation of 3,000 feet and even more, but the fall is very rapid down to about 1,000 feet in the Piedmont Plateau region, in which most of the drainage basin lies. The Coastal Plain portion of this basin, from Augusta, Ga., down, is comparatively narrow.

Above the fall line, which passes a few miles above Augusta, Ga., the main streams and many smaller tributaries afford excellent water powers, having a good amount of fall and a large minimum flow.

The average annual rainfall reaches 70 inches in the extreme upper portion and ranges from 50 to 60 inches in the other parts. The basin contains a number of fairly good sites for large storage reservoirs on Tugaloo River and on the tributaries of Seneca and on Broad rivers. It is in this drainage basin that the first large reservoirs for water power storage have been constructed, these being the two reservoirs of the Georgia Railway and Power Company above the Tallulah Falls power plant.

CHATTOOGA RIVER NEAR CLAYTON

Location.—At an iron wagon bridge 9 miles southeast of Clayton at a point known as Rogues Fords. It is 2½ above Stekoa Creek.

Drainage Area.—205 square miles.

Records Available.—May 13, 1907 to June 30, 1908.

Gage.—Vertical staff attached to tree on left bank about 50 feet upstream from the bridge.

Discharge Measurements.—Made from the bridge.

Channel and Control.—Bed of stream is mostly rock and is permanent, but is rough causing a rough and broken current.

GEOLOGICAL SURVEY OF GEORGIA

Discharge measurements of Chattoga River near Clayton

Date	Gage height	Discharge
1907.		
May 13	Feet. 1.86	Sec.-ft. 568
June 14	1.68	551
July 19	1.61	517
Do	1.61	518
August 30	1.20	287
November 11	1.59	500
1908.		
May 21	1.82	578

Daily gage height, in feet, of Chatooga River near Clayton

Day	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1907.								
1		2.3	1.5	1.3	1.2	1.4	1.1	1.6
2		2.1	1.4	1.3	1.2	1.3	1.3	1.5
3		1.9	1.8	1.3	1.2	1.3	1.7	1.5
4		1.8	1.7	1.3	1.3	1.3	1.3	1.5
5		1.7	1.5	1.3	1.3	1.3	1.3	1.5
6		1.6	1.5	1.3	1.2	1.2	1.2	1.4
7		1.6	1.5	1.3	1.2	1.2	1.2	1.4
8		1.7	1.4	1.3	1.2	1.6	1.2	1.4
9		1.8	1.4	1.2	1.2	1.4	1.2	1.6
10		1.7	1.4	1.2	1.2	1.3	1.3	3.2
11		1.6	1.4	1.2	1.2	1.2	1.6	2.1
12		1.6	1.4	1.3	1.2	1.2	1.4	1.9
13	2.25	1.6	1.5	1.3	1.2	1.2	1.3	1.7
14	1.8	1.7	1.5	1.4	1.2	1.2	1.3	3.2
15	1.7	1.6	1.6	1.3	1.2	1.2	1.2	2.4
16	1.8	1.5	1.7	1.3	1.2	1.2	1.2	2.2
17	1.8	1.5	1.6	1.3	1.2	1.2	1.2	1.9
18	1.7	1.5	1.5	1.5	1.2	1.2	1.4	1.9
19	1.7	1.5	1.7	1.6	1.2	1.2	1.7	1.9
20	1.7	1.5	1.5	1.5	1.2	1.2	1.5	1.8
21	1.6	1.5	1.4	1.5	1.2	1.2	2.8	1.7
22	1.6	1.5	1.4	1.4	1.2	1.2	2.1	1.7
23	1.6	1.5	1.3	1.9	4.1	1.2	2.1	4.2
24	1.6	1.6	1.3	1.5	1.8	1.1	3.1	1.7
25	1.6	1.9	1.4	1.5	1.4	1.1	2.3	2.3
26	1.7	1.7	1.3	1.3	1.3	1.1	2.0	2.0
27	1.8	1.6	1.3	1.3	1.3	1.2	1.8	2.0
28	1.6	1.7	1.3	1.2	1.3	1.3	1.8	2.0
29	1.6	1.7	1.4	1.2	1.9	1.2	1.7	2.0
30	1.6	1.5	1.6	1.2	1.5	1.2	1.6	2.3
31	1.8		1.4	1.2		1.1		2.8

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Chattooga River near Clayton—continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	Day	Jan.	Feb.	Mar.	Apr.	May	June
1908.							1908.						
1-----	2.4	2.5	2.2	2.1	2.2	1.8	17-----	2.2	2.9	1.9	2.3	1.9	1.8
2-----	2.3	2.3	2.2	2.1	2.2	1.7	18-----	2.1	2.7	1.9	2.2	1.9	1.8
3-----	2.2	2.0	2.2	2.0	2.1	1.7	19-----	2.1	2.7	1.8	2.2	2.2	1.7
4-----	2.1	2.0	2.1	2.0	2.1	1.7	20-----	2.1	2.6	2.0	2.1	1.9	1.7
5-----	2.5	2.0	2.1	2.0	2.0	1.9	21-----	2.0	2.5	2.5	2.0	1.8	1.7
6-----	2.3	2.1	2.1	2.0	2.0	1.8	22-----	2.0	2.4	2.2	2.0	1.8	1.7
7-----	2.1	2.0	2.1	2.0	2.9	1.7	23-----	2.0	2.3	2.9	2.0	1.8	1.7
8-----	2.1	2.0	2.0	2.0	2.2	1.7	24-----	1.9	2.3	3.8	2.0	1.9	1.7
9-----	2.0	2.0	2.0	2.0	2.1	1.7	25-----	1.9	2.2	2.6	5.2	1.9	1.7
10-----	1.9	2.0	2.0	1.9	2.1	1.7	26-----	1.9	2.5	2.5	2.7	1.8	1.6
11-----	1.9	2.4	2.0	1.9	2.1	2.1	27-----	2.2	2.3	2.2	2.6	2.1	1.6
12-----	3.7	2.7	2.2	1.9	2.1	1.8	28-----	2.0	2.2	2.3	2.4	2.0	1.6
13-----	2.9	2.7	2.0	1.8	2.0	1.7	29-----	1.9	2.2	2.3	2.3	1.9	1.6
14-----	2.5	2.8	2.0	1.8	1.9	2.1	30-----	1.9	2.2	2.2	2.3	1.9	1.5
15-----	2.3	7.3	2.0	2.4	1.9	2.2	31-----	1.8	2.1	2.1	1.8	1.8	1.5
16-----	2.3	3.3	2.0	2.7	1.9	1.8							

Rating table for Chattooga River near Clayton for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.10	245	1.70	535	2.30	910	2.90	1,350
1.20	290	1.80	590	2.40	980	3.00	1,430
1.30	335	1.90	650	2.50	1,050	4.00	2,330
1.40	380	2.00	715	2.60	1,120	5.00	3,330
1.50	430	2.10	780	2.70	1,190	6.00	4,430
1.60	480	2.20	845	2.80	1,270	7.00	5,630

NOTE.—The above table is based on seven discharge measurements made during 1907-8 and is not well defined.

Monthly discharge of Chattooga River near Clayton

[Drainage area, 205 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area.)	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907.						
May 13-31-----	878	480	544	2.65	1.87	A.
June-----	910	430	521	2.54	2.83	A.
July-----	590	335	417	2.03	2.34	A.
August-----	650	290	358	1.75	2.02	A.
September-----	2,430	290	398	1.94	2.16	B.
October-----	480	245	305	1.49	1.72	A.
November-----	1,510	245	506	2.47	2.76	B.
December-----	2,530	380	780	3.80	4.38	C.
1908.						
January-----	2,040	590	840	4.10	4.73	C.
February-----	6,000	715	1,150	5.61	6.05	C.
March-----	2,130	590	860	4.20	4.84	C.
April-----	3,550	590	892	4.35	4.85	C.
May-----	1,350	590	726	3.54	4.08	B.
June-----	845	430	566	2.76	3.08	A.

CHATTOOGA RIVER NEAR TALLULAH FALLS

Location.—About 300 feet above mouth of Camp Creek, 5½ miles above junction with Tallulah River, and 8 miles east of Tallulah Falls.

Drainage Area.—256 square miles.

Records Available.—January 1, 1917 to September 30.

Gage.—Gurley 7-day recording gage and vertical staff gage about 30 feet upstream to which all recording gage records are referred. Prior to August 17, 1917 readings were taken from old vertical staff gage at same location as new staff gage and set at the same datum. Gage read by employees of Georgia Railway and Power Company.

Discharge Measurements.—Made from cable at gage location.

Channel and Control.—Section under cable may shift somewhat but stage-discharge relation is kept permanent by a solid rock shoal about 100 feet below gage.

Cooperation.—Gage-height record furnished by Georgia Railway and Power Company.

Discharge measurements of Chattooga River near Tallulah Falls

Date.	Gage height.	Discharge.
1917	Feet.	Sec.-ft.
July 4.....	1.20	464
" 4.....	1.58	640
Oct. 11.....	0.98	383
1918		
May 9.....	1.57	642
Aug. 23.....	.80	321
1919		
Feb. 15.....	3.04	1,580
Feb. 23.....	3.54	2,010
May 24.....	1.96	840

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Chattooga River near Tallulah Falls

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917	810	1,780	1,480	1,700	1,330	705	470	515	2,250
2	755	1,120	1,260	1,700	1,060	1,400	430	705	1,260
3	705	870	1,190	1,550	990	705	430	755	990
4	870	930	4,800	1,480	1,190	705	430	1,190	810
5	1,120	755	2,960	3,650	1,060	655	470	705	705
6	1,120	810	2,010	2,090	990	605	430	605	630
7	930	810	1,780	1,850	930	605	470	705	592
8	810	810	1,780	1,780	990	605	515	930	551
9	755	755	1,620	1,620	930	755	430	755	546
10	755	705	1,480	1,550	870	1,060	390	705	605
11	705	705	1,400	1,480	870	755	430	605	506
12	655	705	1,400	1,480	870	655	390	560	474
13	655	655	1,480	1,480	810	605	390	515	462
14	1,620	655	1,400	1,400	810	705	390	515	434
15	1,400	930	1,330	1,330	810	655	390	515	434
16	1,700	755	1,260	1,260	755	560	390	605	450
17	1,260	705	1,930	1,260	755	560	390	560	422
18	1,120	1,190	1,480	1,260	755	560	560	488	406
19	990	2,090	1,330	1,190	755	560	1,400	462	398
20	930	4,800	1,260	1,190	705	755	755	454	394
21	930	1,850	2,090	1,190	705	560	810	462	394
22	1,120	1,400	1,480	1,120	705	755	1,700	430	430
23	930	1,400	2,010	1,120	1,060	560	870	434	426
24	930	2,250	12,000	1,060	705	515	705	430	398
25	870	1,400	3,150	1,060	705	515	655	398	394
26	810	1,260	2,420	1,190	705	470	705	390	386
27	810	1,190	3,750	1,060	705	470	560	386	446
28	755	1,120	2,330	990	705	470	560	386	840
29	930	-----	2,090	1,190	705	470	515	383	592
30	870	-----	1,930	990	655	470	515	390	506
31	810	-----	1,780	-----	655	-----	515	705	-----

Daily discharge, in second feet, of Chattooga River near Tallulah Falls

Day	Oct.	Nov.	Dec.	Jan.	Sept.	Day	Oct.	Nov.	Dec.	Jan.	Sept.
1917-1918						1917-1918					
1	438	510	386	358	-----	16	376	422	406	840	-----
2	410	479	386	358	-----	17	376	414	414	705	-----
3	394	470	386	351	-----	18	376	414	422	605	-----
4	390	466	390	347	-----	19	1,660	414	418	551	-----
5	390	462	390	347	-----	20	1,120	418	406	551	-----
-----	383	450	390	361	-----	21	755	410	406	502	-----
-----	383	446	390	458	-----	22	630	398	406	515	-----
8	379	442	383	383	-----	23	569	394	402	488	-----
9	410	438	394	354	-----	24	520	383	394	488	-----
10	430	430	383	347	-----	25	510	383	386	502	317
11	390	438	383	556	-----	26	497	383	383	533	313
12	383	438	410	1,400	-----	27	497	383	376	705	379
13	376	458	406	705	-----	28	497	383	363	2,690	344
14	376	506	462	454	-----	29	528	386	361	-----	317
15	376	442	430	1,020	-----	30	680	386	361	-----	313
						31	578	-----	361	-----	-----

NOTE.—No gage-height record Jan. 29 to Sept. 24.

Monthly discharge of Chattooga River near Tallulah Falls

[Drainage area, 256 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1917					
January.....	1,700	655	949	3.71	4.28
February.....	4,800	655	1,230	4.80	5.00
March.....	12,000	1,190	2,250	8.79	10.13
April.....	3,650	990	1,440	5.62	6.27
May.....	1,330	655	847	3.31	3.82
June.....	1,400	470	648	2.53	2.82
July.....	1,700	390	583	2.28	2.63
August.....	1,190	383	569	2.22	2.56
September.....	2,250	386	604	2.36	2.63
1917-1918					
October.....	1,660	376	519	2.03	2.34
November.....	510	383	428	1.67	1.86
December.....	462	361	395	1.54	1.78
January 1-28.....	2,690	347	624	2.44	2.54
September 25-30.....	379	313	330	1.29	0.29

TUGALOO RIVER NEAR TOCCOA, GA.

Location.—At Prather's bridge 6 miles east of Toccoa, and 8 miles above the Madison, S. C. gaging stations. It is 4 miles below the mouth of Panther Creek.

Drainage Area.—535 square miles.

Records Available.—May 10, 1907 to January 31, 1908.

Gage.—A chain gage attached to the bridge.

Discharge Measurement.—Made from the bridge.

Channel and Control.—Bed of the stream is sandy and shifting.

Discharge measurements of Tugaloo River near Toccoa

Date	Gage height.	Discharge.
1907		
May 10.....	Feet. 3.96	Sec.-ft. 1,340
July 20.....	3.37	1,100
Do.....	3.37	1,120
November 7.....	2.42	614

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Tugaloo River near Toccoa

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.,
1907-1908									
1		5.1	3.0	2.8	2.3	2.8	2.2	3.2	5.9
2		4.7	2.9	2.6	2.2	2.7	2.7	3.2	5.3
3		4.1	2.95	2.8	2.2	2.6	3.9	3.1	4.9
4		3.85	5.0	2.5	2.8	2.6	2.8	3.0	4.7
5		3.65	3.25	2.5	3.3	2.6	2.5	2.9	6.9
6			3.45	3.0	2.5	2.5	2.5	2.9	5.5
7			3.35	2.9	2.6	2.4	2.5	2.9	5.2
8			3.35	2.8	2.5	2.4	2.9	2.8	4.9
9			4.3	2.95	2.5	2.4	2.8	3.4	4.5
10	3.95	3.75	2.65	2.5	2.5	2.5	2.6	7.5	4.4
11	4.1	3.5	2.65	2.5	2.5	2.5	3.7	5.2	4.3
12	4.15	3.6	2.65	3.9	2.4	2.4	2.9	4.3	12.5
13	3.85	3.35	4.0	2.8	2.3	2.3	2.8	3.8	7.5
14	3.8	3.55	3.0	2.7	2.2	2.3	2.6	7.0	6.3
15	3.85	3.25	3.8	2.7	2.2	2.3	2.5	5.8	5.6
16	4.35	3.15	4.4	3.7	2.3	2.3	2.5	4.9	5.4
17	3.85	3.1	3.4	3.7	2.3	2.3	2.4	4.4	5.2
18	3.7	3.5	4.1	3.2	2.2	2.3	2.8	4.1	5.0
19	3.6	3.4	3.2	2.9	2.2	2.3	3.9	4.0	4.8
20	3.55	3.2	3.4	2.9	2.1	2.2	3.1	3.8	4.7
21	3.5	3.5	3.1	2.9	2.1	2.2	6.3	3.7	4.6
22	3.4	3.1	2.8	3.1	2.1	2.2	5.2	3.5	4.5
23	3.4	3.15	2.8	3.1	10.8	2.2	3.0	11.8	4.4
24	3.35	3.35	2.6	2.8	4.3	2.2	9.3	6.8	4.2
25	3.4	3.1	2.6	2.5	3.2	2.2	5.6	5.5	4.2
26	3.35	3.2	2.7	2.4	2.6	2.2	4.5	4.9	4.1
27	3.9	3.0	2.7	2.4	2.6	2.4	4.0	4.5	5.1
28	3.3	3.5	2.8	2.4	2.9	2.7	3.7	4.5	4.4
29	3.35	5.1	2.8	2.3	4.5	2.3	3.6	4.3	4.4
30	3.2	3.4	4.9	2.3	3.5	2.5	3.4	8.0	4.1
31	3.35		3.1	2.3		2.2		7.5	4.0

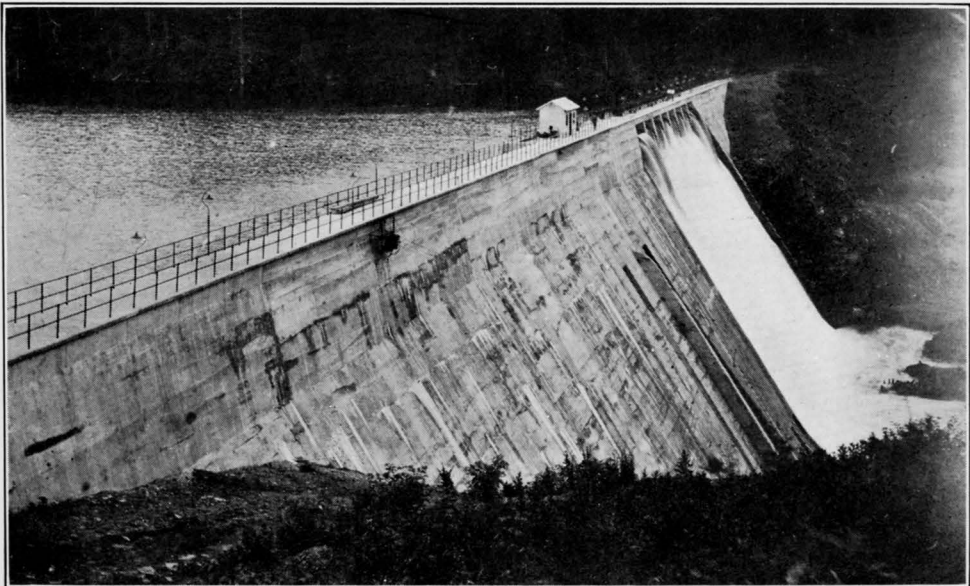
Rating table for Tugaloo River near Toccoa for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec. ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
2.10	479	3.50	1,140	4.90	1,990	7.60	4,150
2.20	521	3.60	1,195	5.00	2,060	7.80	4,340
2.30	564	3.70	1,250	5.20	2,200	8.00	4,540
2.40	608	3.80	1,305	5.40	2,350	8.20	4,740
2.50	653	3.90	1,360	5.60	2,500	8.40	4,940
2.60	699	4.00	1,420	5.80	2,650	8.60	5,140
2.70	745	4.10	1,480	6.00	2,800	8.80	5,340
2.80	782	4.20	1,540	6.20	2,950	9.00	5,550
2.90	839	4.30	1,600	6.40	3,110	10.00	6,620
3.00	887	4.40	1,665	6.60	3,270	11.00	7,730
3.10	935	4.50	1,730	6.80	3,430	12.00	8,880
3.20	985	4.60	1,795	7.00	3,600	13.00	10,080
3.30	1,035	4.70	1,860	7.20	3,780	----	----
3.40	1,085	4.80	1,925	7.40	3,960	----	----

NOTE.—The above table is based on four discharge measurements made during 1907 and 1908 and on the rating curve for Tugaloo River near Madison, S. C. It is fairly well defined.



MATHIS DAM, GEORGIA RAILWAY & POWER COMPANY, TALLULAH RIVER NEAR TALLULAH FALLS, GEORGIA, STORAGE CAPACITY, 1,269,000,000 CUBIC FEET.



BURTON STORAGE DAM, GEORGIA RAILWAY & POWER COMPANY, TALLULAH RIVER NEAR TALLULAH FALLS, GEORGIA, STORAGE CAPACITY 5,280,000,000 CUBIC FFET.

Monthly discharge of Tugaloo River near Toccoa

[Drainage area, 535 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907.						
May 10-31	1,630	985	1,220	2.28	1.87	A.
June	2,130	887	1,200	2.24	2.50	A.
July	2,060	699	1,000	1.87	2.16	A.
August	1,360	564	775	1.45	1.67	B.
September	7,500	479	941	1.76	1.96	B.
October	792	521	618	1.16	1.34	B.
November	5,860	521	1,230	2.30	2.57	B.
December	8,650	792	2,060	3.85	4.44	A.
1908.						
January	9,480	1,420	2,310	4.32	4.98	A.

TUGALOO RIVER NEAR MADISON, S. C.

Location.—At Holcombs Ferry one mile west of Madison, S. C. (the river is the State line) and 900 feet below the old location of the Southern Railway bridge (since changed) and about 1½ miles above the original station at Cooks Ferry. The station is 2 miles below the mouth of Toccoa Creek.

Drainage Area.—593 square miles.

Records Available.—July 19, 1898 to December 31, 1901 at Cooks Ferry, and from July 7, 1903, to June 30, 1910 at Holcombs Ferry.

Gage.—Vertical staff in several sections at and near the ferry.

Discharge Measurement.—Made from the ferry boat or from a small boat.

Channel and Control.—Bed of the river is sandy and changeable. Control depends on average channel conditions below the station. The stage-discharge relation has changed considerably, and the high water rating has not been developed owing to lack of facilities for measuring the high stages.

Discharge measurements of Tugaloo River near Madison, S. C.

Date	Gage height.	Discharge.
1907.	Feet.	Sec.-ft.
May 9	4.02	1,500
July 20	3.03	1,010
November 6	2.20	623
1908.		
December 16	3.57	1,240
December 17	3.50	1,160
1909.		
September 9	3.38	1,170
September 10	3.26	1,120
November 12	2.72	770
November 13	2.70	806

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Tugaloo River near Madison, S. C.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907.												
1	10.1	4.0	4.4	3.9	4.2	4.8	2.8	2.6	2.0	2.8	1.95	3.0
2	6.7	6.4	8.3	3.4	3.8	4.8	2.7	2.4	1.95	2.6	2.3	2.95
3	6.1	4.7	6.1	3.3	3.7	4.0	2.8	2.85	1.95	2.5	4.0	3.0
4	5.8	4.8	5.0	3.3	4.4	4.1	5.9	2.3	2.7	2.4	2.7	2.85
5	5.4	6.1	4.6	3.25	4.1	3.4	3.2	2.2	2.75	2.3	2.3	2.75
6	5.2	5.1	4.3	4.4	3.8	3.3	2.9	2.25	2.3	2.3	2.2	2.7
7	5.1	4.6	4.1	4.0	4.3	3.2	2.7	2.35	2.1	2.2	2.15	2.7
8	4.9	4.8	4.4	3.65	4.3	3.2	2.65	2.2	2.05	2.45	2.1	2.7
9	4.8	4.3	4.1	3.6	4.0	4.2	3.1	2.2	2.1	2.7	2.1	3.2
10	4.8	4.1	4.5	3.4	3.85	3.5	2.5	2.15	2.1	2.3	2.3	6.6
11	4.65	4.0	4.35	3.35	3.9	3.35	2.45	2.15	2.2	2.2	3.9	5.3
12	4.6	3.9	4.0	3.4	4.0	3.8	2.5	3.0	2.2	2.15	2.7	4.1
13	4.5	4.3	3.95	3.3	3.7	3.15	3.5	2.5	2.0	2.1	2.7	3.6
14	4.4	3.85	3.9	3.2	4.35	3.5	3.0	2.45	1.95	2.1	2.4	6.4
15	4.9	3.75	4.2	3.15	3.65	3.15	2.9	2.35	1.9	2.1	2.3	5.9
16	4.3	3.7	3.9	3.2	4.0	3.0	3.9	2.85	2.3	2.1	2.2	4.8
17	4.25	3.65	3.8	3.4	3.8	2.95	3.0	2.65	1.95	2.1	2.2	4.2
18	4.2	3.6	3.8	3.7	3.6	2.9	3.05	2.8	2.0	2.1	2.5	3.9
19	4.2	3.9	3.7	4.6	3.5	3.25	4.4	3.75	1.9	2.05	3.6	3.8
20	4.25	3.7	3.7	3.5	3.4	3.05	3.5	2.75	1.85	2.05	2.9	3.6
21	4.3	3.6	3.6	3.3	3.5	2.95	3.15	2.6	1.85	2.0	6.6	3.5
22	4.6	3.5	3.55	3.25	3.25	3.1	2.65	2.7	1.9	2.0	5.2	3.3
23	4.1	3.45	3.5	3.2	3.25	3.3	2.55	3.1	9.3	2.0	4.7	10.7
24	3.95	3.4	3.5	5.1	3.2	3.25	2.45	2.95	4.6	2.0	11.1	7.1
25	3.9	4.1	3.45	4.5	3.3	3.05	2.4	2.45	3.0	2.0	5.8	5.4
26	4.0	3.8	3.6	4.2	3.2	3.1	2.5	2.3	2.6	2.0	4.5	4.8
27	3.95	4.5	3.5	4.25	4.0	2.9	2.4	2.2	2.4	2.15	3.9	4.4
28	3.9	4.05	3.45	4.2	3.3	3.7	2.5	2.15	2.5	2.5	3.5	4.3
29	3.95	---	3.4	4.1	3.9	4.4	2.7	2.2	4.1	2.15	3.4	4.2
30	3.8	---	3.35	4.1	3.1	3.4	5.4	2.1	3.3	2.7	3.2	10.2
31	3.75	---	3.4	---	3.3	---	3.0	2.0	---	2.0	---	7.9
1908.												
1	6.0	6.5	4.9	5.0	6.0	3.85	3.05	2.95	3.6	2.4	3.4	2.75
2	5.3	5.8	4.9	4.9	5.0	3.75	3.05	2.85	3.1	2.4	3.25	4.1
3	4.9	4.85	5.0	4.8	5.5	3.75	4.25	2.75	3.1	2.3	3.1	3.3
4	4.5	4.5	4.8	4.7	5.2	3.85	3.75	2.85	3.0	2.3	3.3	3.0
5	6.8	4.3	4.8	4.6	5.0	4.0	7.0	2.8	3.1	2.3	3.2	3.0
6	5.5	4.6	4.7	5.2	5.0	4.3	5.8	3.25	5.5	2.3	3.15	3.0
7	5.2	4.5	4.7	4.8	7.6	3.8	6.0	3.75	3.8	2.5	2.9	14.1
8	4.8	4.4	4.5	4.6	5.9	3.7	5.0	3.05	3.4	2.25	3.0	8.2
9	4.5	4.3	4.45	4.5	5.3	3.55	5.2	3.45	3.2	2.4	3.0	5.5
10	4.2	4.5	4.4	4.5	5.1	4.4	5.8	3.65	3.1	6.9	2.8	4.7
11	4.1	8.5	4.35	4.3	4.9	3.85	4.65	3.0	3.1	3.3	2.8	4.1
12	11.7	7.9	5.1	4.3	4.8	3.75	4.25	2.85	2.9	2.8	3.4	4.3
13	7.7	7.6	4.7	4.2	4.6	3.75	3.95	2.75	2.85	2.6	2.9	4.0
14	6.3	7.6	4.5	4.2	4.5	4.5	3.85	2.7	2.8	2.5	3.05	3.8
15	5.5	18.4	4.4	8.1	4.5	5.5	3.75	2.65	2.8	2.5	3.3	3.7
16	5.4	10.5	4.4	8.2	4.5	4.2	3.65	2.65	2.7	2.4	3.2	3.6
17	5.2	8.2	4.3	6.8	4.4	3.75	3.5	3.05	2.7	2.4	2.9	3.7
18	4.9	7.1	4.2	5.7	4.5	3.75	3.35	3.25	2.7	2.35	2.9	3.5
19	4.7	7.2	4.15	6.0	5.3	3.65	3.35	2.8	2.65	2.35	2.8	3.4
20	4.6	6.9	4.4	5.5	4.8	3.55	3.25	4.25	2.85	2.3	2.8	3.3
21	4.4	6.3	7.7	5.1	4.4	3.6	3.15	3.05	2.6	2.35	2.8	3.5
22	4.4	6.0	5.3	4.9	4.2	4.3	3.15	5.0	2.55	2.35	2.7	5.7
23	4.3	5.7	9.7	4.8	4.2	3.65	3.05	6.4	2.55	3.8	2.7	7.0
24	4.1	5.4	17.9	4.6	4.4	3.6	3.2	8.8	2.5	5.5	2.85	5.1
25	4.05	5.4	8.2	12.0	4.1	3.55	3.25	12.4	2.4	3.6	2.8	4.4
26	4.0	5.8	6.8	9.6	4.1	3.45	3.15	6.6	2.4	3.2	2.8	4.3
27	5.0	5.6	6.1	7.4	4.7	3.25	3.1	4.85	2.45	3.1	2.9	4.0
28	4.25	5.5	5.7	6.6	4.3	3.15	2.95	4.25	2.8	2.9	2.8	3.9
29	4.2	5.1	5.5	6.0	4.1	3.1	3.05	3.85	2.9	5.1	2.85	3.8
30	4.0	---	5.3	5.7	4.6	3.1	3.25	3.65	2.8	4.7	2.8	3.7
31	3.9	---	5.2	---	4.0	---	3.05	3.55	---	4.5	---	4.2

GEOLOGICAL SURVEY OF GEORGIA

Rating tables for Tugaloo River near Madison, S. C.
January 1, 1902 to February 14, 1908.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.80	465	3.20	1,105	4.60	2,125	7.00	4,340
1.90	500	3.30	1,165	4.70	2,210	8.00	5,340
2.00	535	3.40	1,225	4.80	2,295	9.00	6,340
2.10	575	3.50	1,200	4.90	2,380	10.00	7,340
2.20	615	3.60	1,355	5.00	2,465	11.00	8,340
2.30	655	3.70	1,425	5.20	2,640	12.00	9,340
2.40	700	3.80	1,495	5.40	2,820	13.00	10,340
2.50	745	3.90	1,570	5.60	3,000	14.00	11,340
2.60	790	4.00	1,645	5.80	3,180	15.00	12,340
2.70	840	4.10	1,720	6.00	3,365	16.00	13,340
2.80	890	4.20	1,800	6.20	3,555	17.00	14,340
2.90	940	4.30	1,880	6.40	3,745	18.00	15,340
3.00	995	4.40	1,960	6.60	3,940	19.00	16,340
3.10	1,050	4.50	2,040	6.80	4,140		

February 15, to December 31, 1908.

2.20	540	3.30	1,065	4.40	1,820	5.50	2,840
2.30	580	3.40	1,125	4.50	1,905	5.60	2,940
2.40	620	3.50	1,185	4.60	1,990	5.70	3,040
2.50	660	3.60	1,245	4.70	2,080	5.80	3,140
2.60	700	3.70	1,310	4.80	2,175	5.90	3,240
2.70	745	3.80	1,375	4.90	2,270	6.00	3,340
2.80	795	3.90	1,440	5.00	2,365	6.20	3,540
2.90	845	4.00	1,510	5.10	2,460	6.40	3,740
3.00	900	4.10	1,585	5.20	2,555		
3.10	955	4.20	1,660	5.30	2,650		
3.20	1,010	4.30	1,740	5.40	2,745		

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Tugaloo River near Madison, S. C.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1-----	1,540	1,320	2,980	3,170	14,300	3,940	3,170	1,610	996	1,150	760	711
2-----	1,610	1,360	3,070	2,790	5,740	2,980	2,790	2,700	940	1,060	860	687
3-----	1,250	1,280	2,700	2,790	4,140	7,140	2,790	2,510	940	1,030	809	784
4-----	1,460	1,250	2,600	2,700	3,460	17,300	2,510	2,250	940	996	760	687
5-----	4,940	1,220	2,510	2,700	3,170	10,300	2,340	2,340	1,060	996	760	687
6-----	3,170	1,690	2,700	2,420	2,880	7,240	3,840	1,960	996	1,060	735	687
7-----	2,250	1,610	2,600	2,420	2,510	6,240	2,340	2,700	940	886	834	1,760
8-----	1,920	1,460	2,700	2,600	2,510	5,240	2,510	1,920	968	834	784	4,140
9-----	1,760	1,390	2,420	2,790	2,300	5,140	3,070	1,840	1,460	913	784	1,760
10-----	1,540	7,140	8,540	2,510	3,940	7,240	2,980	2,510	1,120	886	809	1,180
11-----	1,500	3,650	4,440	2,340	3,360	4,440	2,420	2,000	1,060	1,090	760	996
12-----	1,460	1,690	4,540	2,250	2,700	4,040	2,340	1,610	1,030	1,390	809	940
13-----	1,540	1,760	12,100	2,510	2,420	3,650	2,170	1,500	968	1,250	784	11,100
14-----	1,610	2,790	12,800	3,940	2,340	3,650	3,650	2,080	940	860	860	6,340
15-----	1,610	2,790	6,440	2,790	2,250	4,140	3,070	2,250	996	3,750	784	3,260
16-----	2,170	7,140	5,140	2,420	2,000	3,460	2,170	2,600	1,920	1,760	760	2,340
17-----	4,740	4,340	4,540	2,420	2,250	4,340	2,700	2,420	2,420	886	834	1,840
18-----	3,550	3,070	3,940	2,250	2,000	3,650	2,170	1,650	1,500	1,120	940	1,650
19-----	2,340	2,880	3,550	2,210	2,000	3,070	2,000	1,460	1,250	1,060	834	1,540
20-----	1,920	4,240	3,750	2,080	12,800	2,980	1,840	1,390	1,120	1,060	735	1,460
21-----	1,840	2,980	3,460	2,000	11,300	3,170	1,690	1,320	996	1,030	886	1,320
22-----	1,760	4,340	3,460	2,000	11,300	5,640	1,690	1,250	1,360	1,060	760	1,250
23-----	1,690	7,540	3,170	2,170	8,340	4,040	1,800	1,220	5,640	860	940	1,120
24-----	1,920	6,240	2,880	2,700	6,040	3,460	1,760	1,180	5,740	996	940	1,060
25-----	1,760	5,340	5,840	2,080	5,040	3,170	1,610	1,220	2,340	809	784	1,460
26-----	1,690	4,140	4,740	2,340	4,540	3,170	1,570	1,120	1,690	809	784	1,610
27-----	1,460	3,460	3,940	2,080	4,640	4,240	1,610	1,120	1,460	860	735	1,250
28-----	1,460	3,170	4,540	2,510	4,040	3,650	1,610	1,060	1,280	809	834	1,180
29-----	1,460	-----	7,240	2,120	3,460	3,360	1,540	1,120	1,180	809	735	1,120
30-----	1,540	-----	3,650	2,210	3,360	3,360	1,920	1,060	1,150	809	735	860
31-----	1,250	-----	3,260	-----	3,460	-----	1,690	1,030	-----	860	-----	940

Day	Jan.	Feb.	Mar.	Apr.	May	June	Day	Jan.	Feb.	Mar.	Apr.	May	June
1910													
1-----	1,250	1,250	7,640	1,250	1,060	1,920	16-----	1,180	1,280	1,540	1,060	1,840	3,460
2-----	1,120	1,180	5,540	1,220	1,060	1,840	17-----	1,180	1,460	1,460	3,170	1,960	2,600
3-----	1,180	1,180	3,650	1,220	996	2,510	18-----	1,180	6,840	1,540	2,980	2,000	2,170
4-----	1,180	1,360	2,880	1,180	1,060	1,920	19-----	1,390	2,980	1,540	1,840	2,000	2,000
5-----	940	1,250	2,790	1,120	1,060	2,250	20-----	1,540	2,170	2,700	1,390	2,250	2,000
6-----	1,060	1,180	2,250	1,250	1,120	5,040	21-----	1,880	1,920	1,690	1,250	5,340	1,840
7-----	6,940	1,090	2,210	1,180	1,060	2,700	22-----	2,000	2,250	1,610	1,220	3,170	1,920
8-----	2,880	1,120	2,000	1,220	15,300	2,170	23-----	1,500	1,760	1,460	1,180	3,120	2,250
9-----	2,000	1,120	1,760	1,220	10,800	2,040	24-----	1,540	1,760	1,460	1,180	3,070	2,340
10-----	1,690	1,250	1,840	1,120	4,340	1,920	25-----	1,390	1,540	1,430	1,180	7,140	2,250
11-----	1,460	1,320	2,000	1,090	3,070	1,840	26-----	1,320	1,500	1,430	1,320	4,140	2,080
12-----	1,320	1,460	2,170	1,060	2,420	2,080	27-----	1,250	1,460	1,390	1,180	3,070	1,760
13-----	1,280	1,250	1,760	1,180	2,080	4,840	28-----	1,250	2,600	1,360	1,120	2,700	1,690
14-----	1,250	1,120	1,800	1,090	1,840	3,460	29-----	1,690	-----	1,320	1,180	2,340	1,610
15-----	1,250	1,180	1,610	1,060	1,800	3,940	30-----	1,390	-----	1,360	1,060	2,420	1,760
							31-----	1,320	-----	1,250	-----	2,170	-----

NOTE.—These discharges were obtained from a rating curve which is fairly well defined between 690 and 1,600 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Tugaloo River near Madison, S. C.

[Drainage area, 593 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	7,440	1,460	2,300	3.88	4.47	B.
February	3,740	1,220	1,830	3.09	3.22	B.
March	5,640	1,200	1,770	2.98	3.44	B.
April	5,540	1,080	1,600	2.70	3.01	B.
May	1,960	1,050	1,460	2.46	2.84	B.
June	2,300	940	1,290	2.18	2.43	B.
July	3,270	700	1,090	1.84	2.12	B.
August	1,460	535	757	1.28	1.48	B.
September	6,640	482	918	1.55	1.73	B.
October	890	535	631	1.06	1.22	B.
November	8,440	518	1,460	2.46	2.74	B.
December	8,040	840	2,330	3.93	4.53	B.
The year	8,440	482	1,450	2.45	33.23	
1908						
January	9,040	1,570	2,610	4.40	5.07	B.
February	15,700	1,880	3,910	6.59	7.11	B.
March	15,200	1,620	3,080	5.11	5.89	B.
April	9,340	1,660	3,090	5.21	5.81	B.
May	4,940	1,510	2,240	3.78	4.36	B.
June	2,840	955	1,400	2.36	2.63	B.
July	4,340	872	1,550	2.61	3.01	B.
August	9,740	722	1,780	2.92	3.37	B.
September	2,840	620	911	1.54	1.72	B.
October	4,240	560	1,050	1.77	2.04	B.
November	1,120	745	886	1.49	1.66	B.
December	11,400	770	2,040	3.44	3.97	B.
The year	15,700	560	2,040	3.44	46.64	
1909						
January	4,940	1,250	1,990	3.36	3.87	B.
February	7,540	1,220	3,260	5.50	5.73	B.
March	12,800	2,420	4,520	7.62	8.78	B.
April	3,940	2,000	2,480	4.18	4.66	B.
May	14,300	2,000	4,660	7.86	9.06	B.
June	17,300	2,980	4,910	8.28	9.24	B.
July	3,840	1,540	2,300	3.88	4.47	B.
August	2,700	1,030	1,740	2.93	3.38	B.
September	5,740	940	1,550	2.61	2.91	B.
October	3,750	809	1,090	1.84	2.12	B.
November	940	735	804	1.36	1.52	B.
December	11,100	687	1,860	3.14	3.62	B.
The Year	17,300	687	2,600	4.38	59.36	
1910						
January	6,940	940	1,610	2.72	3.14	B.
February	6,840	1,090	1,710	2.88	3.00	B.
March	7,640	1,250	2,140	3.61	4.16	B.
April	3,170	1,060	1,330	2.24	2.50	B.
May	15,300	996	3,150	5.31	6.12	C.
June	5,040	1,610	2,410	4.06	4.53	B.

WATER POWERS OF GEORGIA

SAVANNAH RIVER AT WOODLAWN, S. C.

Location.—At the Charleston and Western Carolina Railway bridge at Woodlawn, which is on the South Carolina bank of the river. It is 8 miles above the Augusta dam, and 5 miles above Stevens Creek where the new water power plant has been built.

Drainage Area.—6,600 square miles.

Records Available.—November 9, 1905 to June 30, 1910.

Gage.—A chain gage attached to the bridge was used.

Discharge Measurements.—Made from the railway bridge.

Channel and Control.—Bed of the river is largely rock, a portion of which is very rough. Flow conditions were permanent prior to the building of the Stevens Creek dam which backs water a long distance above Woodlawn.

Discharge measurements of Savannah River at Woodlawn, S. C.

Date	Gage height.	Dis-charge.
1907		
March 12	Feet. 5.39	Sec.-ft. 8,770
1908		
July 9	8.74	23,200
1909		
August 11	5.72	8,690
December 14	8.22	19,400
1910		
January 21	4.94	6,440
22	5.77	8,620

Daily gage height, in feet, of Savannah River at Woodlawn, S. C.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	10.8	5.3	6.7	4.75	5.2	6.6	5.4	5.1	3.3	5.5	3.4	5.9
2	10.0	6.4	7.8	5.0	5.1	7.8	4.5	4.4	3.1	4.45	3.5	4.85
3	7.6	6.8	9.7	4.9	5.0	7.0	5.6	4.15	3.1	4.1	3.5	4.8
4	6.6	10.8	8.5	4.7	5.1	5.5	6.4	4.75	3.45	4.05	4.1	4.8
5	6.3	11.7	6.8	4.5	5.55	5.1	5.0	4.6	4.2	3.8	3.3	4.5
6	6.0	11.1	6.1	4.5	5.2	4.8	4.8	3.85	4.5	3.7	3.45	4.4
7	5.8	8.5	5.8	5.25	5.0	4.6	4.25	3.65	4.15	3.6	4.0	4.3
8	5.7	6.7	5.6	5.4	5.1	4.5	4.0	3.9	3.7	3.65	3.9	4.25
9	5.6	6.0	5.5	5.0	5.5	4.5	3.95	3.65	3.5	3.85	3.9	4.25
10	5.5	5.8	5.45	5.1	5.5	4.65	3.85	3.7	3.55	3.8	3.65	4.45
11	5.45	5.6	5.3	5.0	5.2	4.9	3.85	4.15	4.1	3.8	3.7	4.6
12	5.4	5.5	5.35	5.0	5.1	5.0	4.3	5.3	4.1	3.55	4.5	5.4
13	5.3	5.4	5.25	4.8	5.1	4.9	4.8	4.4	3.9	3.5	4.45	7.8
14	5.3	5.25	5.1	4.8	4.55	4.75	5.2	4.1	3.7	3.4	4.5	11.6
15	5.3	5.2	5.3	4.6	4.6	4.6	5.5	4.05	3.5	3.6	4.3	12.1
16	5.2	5.15	5.45	4.4	4.7	4.4	5.0	4.1	3.25	3.3	3.8	8.8
17	5.2	5.05	5.3	4.5	4.7	4.3	5.4	4.3	3.25	3.4	3.8	6.8
18	5.15	5.0	5.2	4.7	4.8	4.15	5.3	5.0	3.45	3.3	3.95	6.0
19	5.1	5.0	5.15	4.6	4.7	4.1	5.15	5.7	3.2	3.4	4.3	5.65
20	5.2	5.2	5.1	5.3	4.55	4.0	5.0	5.0	3.3	3.45	4.75	5.45
21	5.2	5.4	5.0	5.45	4.4	4.3	4.85	4.7	3.15	3.3	5.15	5.2
22	5.2	5.3	4.9	5.3	4.3	4.1	4.5	4.2	3.1	3.3	9.2	5.0
23	5.1	5.05	4.85	8.3	4.3	4.0	4.05	4.05	4.25	3.25	11.8	14.3
24	5.0	4.95	4.8	10.7	4.3	4.3	3.8	4.2	9.4	3.4	11.8	16.3
25	5.0	5.2	4.75	8.2	4.4	4.4	3.8	4.2	7.8	3.5	9.6	11.8
26	5.0	5.7	4.75	6.7	4.5	4.55	3.7	3.85	5.0	3.2	7.8	8.6
27	5.1	6.3	4.7	6.1	5.2	4.5	4.0	3.7	4.2	3.2	6.2	6.7
28	5.1	6.5	4.7	5.8	5.4	4.45	4.0	3.5	4.2	3.2	5.2	5.95
29	5.0	---	4.65	5.7	5.35	8.3	5.4	3.7	8.0	3.25	5.5	6.1
30	4.9	---	4.65	5.05	4.5	6.7	5.25	3.5	6.5	3.3	6.3	11.6
31	4.95	---	4.55	---	4.5	---	5.6	3.4	---	3.55	---	15.7

Daily gage height, in feet, of Savannah River at Woodlawn, S. C.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1	13.2	14.3	6.0	6.4	6.8	5.25	5.7	4.5			8.1	4.7
2	9.7	14.5	6.2	6.4	6.4	5.15	4.6	4.4			6.4	4.9
3	7.2	10.8	6.3	6.4	6.3	4.85	5.6	4.3			6.5	5.1
4	6.4	8.4	5.75	6.5	6.2	4.7	7.8	4.2			7.8	5.0
5	7.0	6.5	5.45	6.2	5.85	5.3	10.1	4.1			7.0	4.8
6	8.4	6.5	5.3	6.2	5.8	5.6	8.1	5.3			6.0	4.6
7	10.7	6.4	5.25	6.5	5.9	5.55	7.2	9.1			5.6	4.65
8	12.3	6.2	5.15	6.3	6.3	5.25	7.0	8.1			5.3	9.4
9	9.8	6.0	5.35	6.2	6.5	5.0	8.4	7.2			4.9	8.0
10	7.5	6.0	5.5	6.0	5.9	4.8	7.6	7.7			4.7	6.8
11	7.7	12.5	5.5	5.8	5.5	4.9	6.9	7.0			4.45	6.2
12	13.8	13.6	5.6	5.7	5.5	5.2	6.1	6.3			4.35	6.7
13	14.6	11.7	5.7	5.75	5.45	5.4	5.5	5.6		4.8	5.7	7.2
14	10.6	10.6	5.6	5.8	5.5	5.5	5.45	4.85		4.4	7.8	6.1
15	8.0	10.6	5.5	6.1	5.4	5.4	5.3	4.5		4.4	7.0	5.35
16	7.0	14.5	5.5	9.4	5.35	5.5	5.15	4.35		4.25	6.5	5.1
17	6.6	13.0	5.3	12.9	5.2	5.5	5.0	4.2		4.2	6.3	5.0
18	6.4	9.1	5.4	12.0	5.05	5.6	4.8	4.2		4.2	6.1	5.0
19	6.0	8.0	5.3	9.9	5.7	8.4	5.0	4.75		4.2	5.9	5.0
20	6.0	8.4	5.4	7.8	6.3	9.9	5.1	6.5		4.2	5.6	4.9
21	5.7	8.4	6.9	8.4	6.4	8.0	4.95	8.0		4.1	5.2	5.0
22	5.7	8.1	7.9	7.8	5.6	6.8	4.7	7.6		4.1	4.9	8.1
23	5.55	7.6	10.5	6.8	5.3	7.7	4.7	7.7		4.2	4.7	14.9
24	5.5	6.8	15.8	6.6	5.3	9.1	4.5	9.6		4.35	4.6	13.2
25	5.4	6.6	17.7	7.4	5.2	10.0	4.25	16.0		7.0	4.5	9.2
26	5.35	6.4	13.3	10.8	5.1	8.1	4.2	35.8		5.3	4.45	7.4
27	5.4	6.3	9.8	12.8	5.1	7.4	4.4			5.1	4.5	6.8
28	5.6	6.4	8.4	11.0	5.05	7.0	4.5			5.45	4.55	5.95
29	5.85	6.4	7.4	9.1	5.1	6.8	4.4			7.0	4.6	5.7
30	5.55		6.8	7.5	5.6	6.3	4.5			10.8	4.6	5.6
31	6.1		6.7		5.3		4.6			9.6		5.8

NOTE.—The gage was washed out August 27 and was replaced to the same datum October 13, 1908. August 27, 1908, the stage reached 37.6 feet, as determined afterwards by leveling to high-water marks. This is the highest stage recorded since the establishment of this station.

Rating table for Savannah River at Woodlawn, S. C. for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
3.10	2,640	5.20	8,170	7.60	17,420	19.00	84,360
3.20	2,850	5.30	8,490	7.80	18,350	20.00	90,560
3.30	3,060	5.40	8,820	8.00	19,310	21.00	96,760
3.40	3,280	5.50	9,150	8.20	20,300	22.00	102,960
3.50	3,500	5.60	9,490	8.40	21,310	23.00	109,160
3.60	3,730	5.70	9,830	8.60	22,350	24.00	115,360
3.70	3,960	5.80	10,180	8.80	23,410	25.00	121,560
3.80	4,200	5.90	10,530	9.00	24,490	26.00	127,760
3.90	4,450	6.00	10,890	9.20	25,590	27.00	133,960
4.00	4,700	6.10	11,250	9.40	26,700	28.00	140,160
4.10	4,960	6.20	11,620	9.60	27,820	29.00	146,360
4.20	5,220	6.30	11,990	9.80	28,940	30.00	152,560
4.30	5,490	6.40	12,370	10.00	30,060	31.00	158,760
4.40	5,760	6.50	12,760	11.00	35,760	32.00	164,960
4.50	6,040	6.60	13,150	12.00	41,560	33.00	171,160
4.60	6,330	6.70	13,550	13.00	47,460	34.00	177,360
4.70	6,630	6.80	13,950	14.00	53,460	35.00	183,560
4.80	6,930	6.90	14,360	15.00	59,560	36.00	189,760
4.90	7,230	7.00	14,780	16.00	65,760		
5.00	7,540	7.20	15,630	17.00	71,960		
5.10	7,850	7.40	16,510	18.00	78,160		

NOTE.—The above table is based on 10 discharge measurements made during 1905-1908, and is well defined between gage heights 3 feet and 10 feet. Above gage height 15 feet the rating curve is a tangent, the difference being 620 per tenth.

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Savannah River at Woodlawn, S. C.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	10,300	7,410	13,400	12,600	27,000	9,100	18,600	9,600	5,350	5,350	5,590	5,350
2	12,600	7,130	12,600	11,800	57,400	8,620	13,800	13,000	5,230	5,230	6,080	4,880
3	10,300	6,590	15,800	11,400	31,500	24,200	9,270	30,400	5,110	5,110	5,710	4,880
4	9,600	6,330	12,600	10,300	18,100	53,000	11,000	29,200	5,110	5,110	4,760	4,650
5	10,300	6,330	11,000	9,440	15,000	69,200	7,700	24,200	5,110	7,850	4,090	4,420
6	25,900	6,080	17,600	8,620	11,000	57,400	13,000	20,600	5,110	6,860	4,540	4,650
7	20,600	11,000	18,600	9,270	10,300	28,700	15,000	19,600	5,110	6,080	4,420	4,880
8	15,400	11,000	16,300	9,600	9,940	16,700	23,200	16,700	5,110	5,350	3,980	5,230
9	12,600	9,940	13,400	9,940	9,440	14,200	39,000	12,600	5,110	5,350	4,090	15,000
10	10,600	50,200	26,400	10,300	8,780	12,600	28,100	10,300	5,230	5,110	4,090	11,000
11	10,300	59,900	22,600	9,940	17,600	12,600	14,600	8,620	5,110	5,590	3,980	7,850
12	9,600	36,600	36,000	9,600	14,200	21,100	10,300	10,300	5,230	6,080	3,980	5,960
13	9,270	22,600	53,800	9,600	9,940	19,600	8,940	9,270	5,230	5,350	4,650	5,830
14	8,940	2,600	61,700	9,270	8,940	16,700	15,000	15,000	5,230	5,110	4,200	19,600
15	8,620	22,600	63,600	11,800	8,460	15,000	20,600	13,400	5,110	5,110	4,420	19,600
16	8,460	22,600	33,800	10,300	8,000	13,400	13,000	11,400	5,230	5,350	4,540	12,200
17	31,500	22,600	19,600	9,600	8,000	14,200	11,000	9,270	5,350	5,110	4,420	9,440
18	34,900	20,600	15,000	9,100	8,310	12,600	19,100	8,160	8,780	5,110	4,200	6,080
19	21,600	17,600	15,800	8,310	7,560	16,700	10,300	7,410	16,700	5,590	4,420	4,420
20	16,300	16,300	19,600	8,000	9,100	14,200	8,940	6,860	35,500	32,600	4,200	4,420
21	13,400	21,600	16,700	7,700	27,500	10,300	8,460	6,330	20,600	21,100	4,090	4,420
22	11,800	53,200	15,800	7,700	39,500	10,600	7,850	6,330	13,800	7,560	4,880	5,350
23	9,600	46,600	15,400	8,310	30,400	15,400	7,410	5,830	11,400	5,230	5,110	4,420
24	9,270	21,600	15,000	11,800	21,600	12,600	10,300	5,830	9,940	5,000	4,650	4,540
25	8,940	17,600	15,400	9,600	16,300	10,300	9,600	5,830	7,700	4,880	4,420	8,160
26	9,600	15,000	28,100	8,940	13,800	11,000	8,310	5,830	8,310	4,650	4,650	8,160
27	9,100	13,400	20,600	8,620	12,600	12,600	8,310	5,710	7,130	4,540	5,110	5,350
28	8,310	13,800	17,600	11,400	12,200	12,600	8,310	5,710	6,590	4,650	5,110	4,420
29	8,000	19,600	12,600	11,800	11,400	11,400	7,560	5,830	6,640	4,420	5,830	4,200
30	7,700	15,800	10,600	13,400	11,400	11,400	7,000	5,710	6,080	4,420	5,230	4,200
31	7,700	13,400	12,600	11,000	11,000	11,000	5,350	5,230	5,230	5,230	4,090	4,090
1910												
1	3,980	14,200	62,400	6,080	5,350	6,590						
2	4,540	12,200	34,900	6,080	5,110	6,330						
3	4,650	10,600	15,800	5,960	5,110	8,620						
4	5,000	7,270	11,800	5,960	5,000	7,700						
5	5,110	6,590	11,000	5,830	5,110	7,130						
6	11,800	6,330	11,400	5,590	5,110	11,800						
7	9,440	6,590	11,400	5,590	5,470	9,270						
8	7,410	6,460	11,800	5,590	6,860	8,000						
9	6,080	6,590	11,800	5,350	43,000	7,130						
10	5,590	6,590	11,400	5,230	47,200	9,270						
11	5,350	11,000	13,400	5,350	17,600	11,000						
12	5,350	10,300	13,400	5,350	11,000	12,200						
13	5,350	14,600	11,800	5,350	8,620	16,700						
14	5,350	9,440	12,200	5,470	7,410	26,400						
15	5,230	8,460	11,800	5,590	6,860	32,600						
16	5,350	8,000	11,400	5,350	6,590	22,100						
17	5,830	7,700	11,400	7,700	6,330	14,200						
18	5,350	27,500	11,000	19,600	6,080	9,600						
19	5,110	38,400	9,940	18,600	5,830	8,940						
20	5,350	22,100	9,600	14,200	5,590	8,460						
21	6,460	24,800	9,270	11,000	7,130	7,410						
22	8,310	22,100	13,400	6,860	14,600	8,460						
23	10,300	17,600	7,560	6,080	11,000	8,620						
24	8,940	13,000	7,130	5,710	11,400	8,160						
25	9,940	10,300	6,860	5,470	19,600	7,270						
26	8,780	9,100	6,590	5,350	16,700	6,720						
27	10,600	8,620	6,590	5,350	13,400	6,080						
28	11,800	44,800	6,860	5,350	9,940	5,590						
29	34,300	6,590	5,350	5,350	8,940	6,080						
30	25,900	6,330	5,350	5,350	8,000	8,000						
31	19,100	6,200	7,000	7,000	7,000	7,000						

NOTE.—These discharges are based on a rating curve that is fairly well defined between 5,400 and 20,000 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Savannah River at Woodlawn, S. C.

[Drainage area, 6,600 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square Mile.		
1907						
January	34,600	7,230	10,500	1.59	1.83	A.
February	39,800	7,380	12,900	1.95	2.03	A.
March	28,400	6,180	9,780	1.48	1.71	A.
April	34,000	5,760	9,550	1.45	1.62	A.
May	9,320	5,490	7,220	1.09	1.26	A.
June	20,800	4,700	7,840	1.19	1.33	A.
July	12,400	3,960	6,810	1.03	1.19	A.
August	9,830	3,280	5,370	.814	.94	A.
September	26,700	2,640	6,070	.920	1.03	A.
October	9,150	2,850	3,790	.574	.66	A.
November	40,400	3,060	9,780	1.48	1.65	A.
December	67,600	5,360	18,900	2.86	3.30	B.
The year	67,600	2,640	9,040	1.37	18.55	
1908						
January	57,100	8,660	19,700	2.98	3.44	B.
February	56,500	10,900	25,700	3.89	4.20	B.
March	76,300	8,010	17,300	2.62	3.02	B.
April	46,900	9,830	19,100	2.89	3.22	B.
May	14,000	7,700	9,820	1.49	1.72	A.
June	30,100	6,630	12,800	1.94	2.16	A.
July	30,600	5,220	10,300	1.56	1.80	A.
August	189,000	4,960	26,300	3.98	4.59	B.
September	33,400	6,500	10,400	1.58	1.76	B.
October	34,600	4,960	8,920	1.35	1.56	A.
November	19,800	5,620	9,890	1.50	1.67	A.
December	59,000	6,330	14,200	2.15	2.48	A.
The year	189,000	4,960	15,400	2.33	31.62	
1909						
January	34,900	7,700	12,900	1.95	2.25	A.
February	59,900	6,080	21,000	3.18	3.31	A.
March	63,600	11,000	22,300	3.38	3.90	A.
April	12,600	7,700	9,870	1.50	1.67	A.
May	57,400	7,560	16,500	2.50	2.88	A.
June	69,200	8,620	19,100	2.89	3.22	A.
July	39,000	7,000	13,100	1.98	2.28	A.
August	30,400	5,350	11,300	1.71	1.97	A.
September	35,500	5,110	8,240	1.25	1.40	B.
October	32,600	4,420	6,780	1.03	1.19	B.
November	6,080	3,980	4,650	.705	.79	B.
December	19,600	4,090	7,020	1.06	1.22	B.
The year	69,200	3,980	12,700	1.92	26.08	
1910						
January	34,300	3,980	8,760	1.33	1.53	B.
February	44,800	6,330	14,000	2.12	2.21	A.
March	62,400	6,200	12,700	1.92	2.21	A.
April	19,600	5,230	7,060	1.07	1.19	A.
May	47,200	5,000	11,100	1.68	1.94	A.
June	32,600	5,590	10,500	1.59	1.77	A.

NOTE.—The discharge August 27 to October 12, 1908, was obtained from the application of the 1906 rating for Savannah River at Augusta, Ga., to the corresponding gage heights at that point. Suitable coefficients were applied to the Augusta discharge to obtain the true discharge at Woodlawn.

STEKOA CREEK NEAR CLAYTON

Location.—Near B. F. Phillips house two miles above the mouth of the creek and 9 miles southeast of Clayton.

Drainage Area.—36 square miles.

Records Available.—May 14, 1907 to June 30, 1908.

Gage.—Vertical staff.

Discharge Measurement.—Made from a foot log near the location of the gage.

Channel and Control.—Bed of stream is sandy and liable to shift.

Discharge measurements of Stekoa Creek near Clayton

Date	Gage height.	Discharge.
1907	Feet.	Sec.-ft.
May 14.....	1.07	90
June 14.....	1.03	76
July 19.....	1.02	80
November 11.....	.96	68
1908		
May 21.....	1.25	124
Do.....	1.24	128

Daily gage height, in feet, of Stekoa Creek near Clayton

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1.....						2.0	1.0	1.0	0.9	1.0	0.8	1.0
2.....						1.2	1.0	1.0	.9	.9	1.8	1.0
3.....						1.1	1.0	.9	.9	.9	1.0	.95
4.....						1.1	1.1	.9	.9	.9	1.0	.9
5.....						1.1	1.0	.9	.9	.9	.9	.9
6.....						1.0	1.0	.9	.9	.9	.9	.9
7.....						1.0	1.0	.9	.9	.9	.9	.9
8.....						1.1	1.0	.9	.9	.9	.9	.9
9.....						1.1	.9	.9	.9	.9	.9	1.1
10.....						1.1	.9	.9	.9	.9	1.15	1.7
11.....						1.0	.9	.9	1.0	.9	1.0	1.2
12.....						1.0	.9	.9	.9	.9	.9	1.1
13.....						1.0	1.1	.9	.9	.9	.9	1.1
14.....					1.1	1.1	1.0	.9	.9	.9	.9	2.0
15.....					1.2	1.0	1.0	.9	.9	.9	.9	1.4
16.....					1.1	1.0	1.0	1.1	.9	.9	.9	1.2
17.....					1.1	1.0	1.0	1.0	.9	.9	.9	1.2
18.....					1.1	1.0	1.0	1.1	.9	.9	1.2	1.1
19.....					1.1	1.0	1.9	1.1	.8	.9	1.0	1.1
20.....					1.0	1.0	1.1	1.0	.8	.9	.9	1.1
21.....					1.0	1.0	1.1	1.0	.8	.9	2.8	1.0
22.....					1.0	1.0	1.0	1.0	.8	.9	1.4	1.0
23.....					1.0	1.0	1.0	1.0	4.2	.9	3.0	2.5
24.....					1.0	1.0	1.0	1.0	1.1	.9	1.9	1.4
25.....					1.0	1.0	.9	1.0	1.0	.9	1.4	1.3
26.....					1.1	1.0	.9	.9	1.0	.9	1.1	1.2
27.....					1.1	1.0	.9	.9	.9	1.0	1.1	1.2
28.....					1.1	1.1	1.2	.9	1.2	.9	1.1	1.2
29.....					1.0	1.2	1.0	.9	1.2	.9	1.1	1.2
30.....					1.0	1.0	1.4	.9	1.0	.9	1.1	4.7
31.....					1.2		1.1	.9		.8		1.7

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Stekoa Creek, near Clayton.—Continued.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1-----	1.4	1.7	1.3	1.3	1.4	1.2						
2-----	1.3	1.3	1.3	1.3	1.4	1.2						
3-----	1.3	1.2	1.3	1.3	1.4	1.2						
4-----	1.2	1.2	1.3	1.3	1.3	1.2						
5-----	1.5	1.2	1.3	1.2	1.3	1.5						
6-----	1.3	1.2	1.3	1.3	1.3	1.3						
7-----	1.3	1.2	1.3	1.3	1.8	1.2						
8-----	1.3	1.2	1.2	1.3	1.4	1.1						
9-----	1.2	1.2	1.2	1.2	1.4	1.1						
10-----	1.2	1.4	1.2	1.2	1.4	1.1						
11-----	1.2	1.9	1.2	1.2	1.3	1.1						
12-----	3.4	1.7	1.3	1.2	1.3	1.1						
13-----	1.7	1.6	1.2	1.2	1.3	1.1						
14-----	1.4	1.6	1.2	1.2	1.3	1.5						
15-----	1.4	4.9	1.2	2.7	1.2	1.4						
16-----	1.3	2.0	1.2	1.7	1.2	1.3						
17-----	1.3	1.7	1.2	1.6	1.2	1.2						
18-----	1.3	1.5	1.2	1.6	1.2	1.2						
19-----	1.2	1.6	1.2	1.5	1.4	1.1						
20-----	1.2	1.5	1.4	1.4	1.3	1.1						
21-----	1.2	1.5	1.5	1.3	1.3	1.1						
22-----	1.2	1.4	1.4	1.3	1.3	1.1						
23-----	1.2	1.4	3.5	1.3	1.2	1.1						
24-----	1.2	1.4	4.0	1.3	1.2	1.1						
25-----	1.2	1.3	1.8	7.5	1.2	1.1						
26-----	1.2	1.5	1.5	2.0	1.3	1.1						
27-----	1.3	1.4	1.4	1.7	1.3	1.1						
28-----	1.2	1.3	1.4	1.6	1.2	1.1						
29-----	1.2	1.3	1.4	1.5	1.2	1.0						
30-----	1.2		1.3	1.5	1.2	1.0						
31-----	1.2		1.3		1.2							

Rating table for Stekoa Creek near Clayton for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.80	45	1.50	187	2.20	410	2.90	655
.90	60	1.60	215	2.30	445	3.00	690
1.00	77	1.70	245	2.40	480	4.00	1,090
1.10	95	1.80	276	2.50	515	5.00	1,490
1.20	115	1.90	308	2.60	550	6.00	1,890
1.30	137	2.00	340	2.70	585	7.00	2,290
1.40	161	2.10	375	2.80	620		

NOTE.—The above table is based on 6 discharge measurements made during 1907 and 1908, and is well defined between gage heights 0.8 foot and 1.5 feet. It is only roughly approximate at high stages. Above gage height 3 feet the rating curve is a tangent, the difference being 40 per tenth.

Monthly discharge of Stekoa Creek near Clayton

[Drainage area, 36 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
May 14-31-----	115	77	89.2	2.48	1.66	B.
June-----	340	77	93.1	2.59	2.89	B.
July-----	308	60	87.5	2.43	2.80	B.
August-----	95	60	68.3	1.90	2.19	B.
September-----	1,170	45	102	2.83	3.16	C.
October-----	77	45	60.6	1.68	1.94	B.
November-----	690	45	133	3.69	4.12	C.
December-----	1,370	60	169	4.69	5.41	D.
1908						
January-----	850	115	156	4.33	4.99	C.
February-----	1,450	115	220	6.11	6.59	D.
March-----	1,090	115	196	5.44	6.27	D.
April-----	2,490	115	253	7.03	7.84	D.
May-----	276	115	139	3.86	4.45	B.
June-----	187	77	110	3.06	3.41	B.

TALLULAH RIVER NEAR SEED

Location.—One-fourth mile upstream from head of Rabun Lake, 1 mile downstream from Bridge Creek, 5 miles north of Seed.

Drainage Area.—Not measured.

Records Available.—January 6, 1916, to September 30.

Gage.—A staff gage in two sections on right bank; read by employees of Georgia Railway & Power Co.

Discharge Measurements.—At low and medium stages made from cable about 200 feet above the gage; flood measurements made from suspension footbridge a mile downstream from gage.

Channel and Control.—Bed composed of rock, sand and gravel; rough but permanent. Control is a ledge which extends across river and over which water drops sharply, about 250 feet downstream from gage.

Discharge measurements of Tallulah River near Seed

Date	Gage height.	Discharge.
1916		
Jan. 7-----	Feet. 1.88	Sec.-ft. 704
Feb. 12-----	1.85	661
" 22-----	1.60	513
April 20-----	1.24	298
July 10-----	5.80	4,900
" 21-----	2.88	1,580
Oct. 6-----	1.18	242
Nov. 8-----	1.14	238
1917		
Oct. 12-----	1.04	174
1918		
May 9-----	1.44	365
Aug. 24-----	.88	119

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Tallulah River near Seed

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916												
1					1,700	548	355	277	301	355	832	424
2					2,260	720	355	271	289	361	950	430
3					1,400	685	450	265	283	313	995	444
4					1,130	615	450	265	265	355	910	418
5					995	548	373	260	254	325	1,130	392
6				720	910	548	404	254	1,180	265	950	385
7				685	795	615	482	243	548	444	1,310	379
8				685	758	580	515	248	373	3,350	910	379
9				650	832	548	482	238	331	6,840	995	379
10				650	832	515	430	232	313	4,910	870	482
11				685	758	482	424	232	361	3,470	795	385
12				720	720	482	385	226	424	2,360	720	367
13				1,600	685	450	373	221	343	1,810	720	367
14				910	685	444	373	265	349	1,500	720	430
15				758	615	450	361	226	515	1,400	685	379
16				720	615	437	385	216	685	3,590	650	355
17				720	580	424	482	210	515	2,250	650	325
18				650	580	411	367	210	430	1,920	685	319
19				615	548	398	355	216	379	2,030	615	313
20				580	548	385	343	205	373	1,700	580	301
21				615	515	411	343	200	650	1,600	548	295
22				1,400	515	392	331	650	307	1,700	515	289
23				995	515	373	319	2,140	337	1,500	548	289
24				795	580	367	319	870	580	1,500	515	277
25				758	548	367	319	580	450	1,310	515	265
26				758	515	418	301	450	385	1,220	482	265
27				832	482	515	301	398	349	1,220	482	265
28				795	515	418	289	411	307	1,040	450	271
29				758	580	411	289	482	301	1,220	450	411
30				685		373	283	398	301	995	450	271
31				995		361		331		910	437	
1916-1917												
1	250	256	292	462	1,400	908	995	705	376	210	230	825
2	240	235	268	418	785	825	950	560	364	210	256	560
3	240	220	245	462	630	1,400	908	560	364	205	280	495
4	230	210	240	630	595	3,950	865	825	340	210	280	388
5	245	205	256	950	528	2,140	1,920	630	316	205	225	340
6	245	200	230	825	560	1,500	1,310	560	310	245	225	286
7	235	200	215	630	495	1,220	1,080	560	340	225	316	256
8	230	200	225	528	495	1,220	1,080	560	495	205	352	245
9	230	200	630	462	462	1,040	995	528	668	196	310	245
10	225	200	394	430	430	995	908	495	495	187	280	210
11	215	200	334	406	424	908	865	495	376	179	235	205
12	210	230	334	376	406	865	825	495	340	175	215	192
13	200	225	286	358	394	865	865	462	316	179	200	183
14	200	225	256	825	400	865	785	462	462	175	200	179
15	200	220	268	785	560	785	745	430	352	175	225	192
16	200	205	240	995	430	785	705	430	310	175	220	225
17	200	200	240	745	424	1,220	705	418	304	240	210	183
18	240	196	268	668	865	908	668	406	292	394	187	175
19	785	192	250	630	1,310	825	668	394	286	376	183	166
20	352	192	235	560	2,360	785	668	394	292	495	200	162
21	245	187	316	560	1,310	1,310	630	382	370	560	187	158
22	268	192	528	745	950	1,040	630	394	304	528	171	292
23	230	705	370	630	865	1,220	595	412	268	364	171	215
24	225	364	328	595	1,130	4,430	595	376	250	292	166	187
25	220	280	316	528	865	1,810	595	370	256	262	158	171
26	210	245	304	495	785	1,500	668	376	235	346	151	166
27	200	230	370	462	705	1,600	560	364	225	280	151	274
28	200	256	1,080	462	668	1,500	560	424	230	250	151	745
29	250	418	745	595		1,220	668	358	256	230	144	430
30	400	346	528	528		1,130	595	334	418	292	183	322
31	340		430	495		1,040		388		256	495	

Daily discharge, in second feet, of Tallulah River near Seed, continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-1918												
1-----	250	286	192	192	825	400	316	495	250	346	183	112
2-----	225	274	183	183	745	388	322	430	240	235	230	109
3-----	215	250	175	187	705	376	298	406	240	210	187	127
4-----	200	240	192	179	595	394	316	382	304	196	162	121
5-----	200	230	179	183	528	382	292	364	262	192	155	205
6-----	192	225	175	322	495	418	274	352	316	183	144	144
7-----	179	220	171	328	495	430	462	340	280	171	138	388
8-----	179	210	230	256	462	382	1,080	462	245	171	134	200
9-----	262	205	179	210	462	364	668	388	250	162	134	235
10-----	200	200	175	205	462	495	528	630	240	158	138	166
11-----	187	200	175	240	418	382	462	430	268	151	196	144
12-----	175	210	200	668	418	364	462	406	240	148	138	134
13-----	171	210	196	382	406	370	406	400	280	148	127	131
14-----	166	286	220	382	394	358	388	400	230	141	121	118
15-----	166	225	200	668	400	340	370	364	205	141	115	118
16-----	162	210	200	406	560	322	400	346	200	141	124	115
17-----	158	205	210	340	630	334	394	340	200	138	171	112
18-----	166	200	205	304	495	316	495	334	280	192	70	245
19-----	1,220	196	215	280	668	316	412	364	240	220	158	148
20-----	495	200	205	280	430	495	406	358	210	187	138	322
21-----	352	205	200	250	668	412	462	322	352	220	151	196
22-----	298	192	200	286	560	370	400	352	316	210	118	155
23-----	268	183	192	250	495	352	370	376	235	205	112	141
24-----	240	183	183	256	495	376	364	370	215	179	115	131
25-----	230	179	183	262	462	352	358	340	205	245	121	124
26-----	220	179	215	280	462	328	462	322	256	215	121	124
27-----	215	179	200	668	418	322	382	304	225	230	112	148
28-----	210	179	187	3,020	412	316	376	286	215	192	121	131
29-----	220	210	187	1,600	-----	304	394	280	215	205	134	144
30-----	495	200	138	1,600	-----	298	560	262	286	210	118	151
31-----	322	-----	162	1,310	-----	292	-----	265	-----	200	115	-----

TALLULAH RIVER NEAR LAKEMONT

Location.—One-fourth mile downstream from Rabun dam, a mile upstream from mouth of Tiger Creek, a mile upstream from Mathis gaging station, and 1¼ miles from Lakemont.

Drainage Area.—Not measured.

Records Available.—January 13, 1916 to September 30.

Gage.—A Barrett & Lawrence water-stage recorder, with 5-foot range of stage, at rock-filled log crib on left bank of river; referred to vertical staff gage 20 feet upstream.

Discharge Measurements.—Made from cable 5 feet downstream from gage.

Channel and Control.—Bed rough and rocky, necessitating careful work in making discharge measurements. Control is a rock shoal 50 feet downstream from gage.

Regulation.—The Rabun dam, one-fourth mile upstream, makes a very large reservoir which is used solely for storage in operating the Tallulah Falls power plant 7 miles downstream. Water is impounded or let loose at will of operators; consequently fluctuations are great, sudden, and frequent.

GEOLOGICAL SURVEY OF GEORGIA

Discharge measurements of Tallulah River near Lakemont

Date.	Gage height.	Dis-charge.	Date.	Gage height.	Dis-charge.
	Feet.	Sec.-ft.		Feet.	Sec.-ft.
1915			1916		
Sept. 8	2.44	579	Jan. 22	4.45	1,960
Oct. 9	.47	17.8	27	2.85	794
18	2.55	598	Feb. 1	5.22	2,600
19	4.18	1,820	3	3.86	1,480
20	3.35	1,050	21	2.42	577
25	2.10	398	July 11	6.10	3,690
Nov. 1	3.65	1,240			
1	2.52	606	1917		
2	3.87	1,400	Oct. 8	1.04	73.9
4	3.82	1,370	Nov. 5	1.55	174
1916			1918		
Jan. 19	2.90	853	May 10	2.93	883
22	3.27	1,090	Aug. 25	0.21	4.6

Daily discharge, in second-feet of Tallulah River near Lakemont.

Day	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916										
1			2,400	565	181	540	350	224	887	806
2			2,180	728	105	524	588	71	1,080	624
3			1,580	1,050	493	586	366	198	1,050	69
4			1,190	503	587	628	86	297	952	540
5			1,090	376	500	500	693	382	990	904
6			952	562	478	288	241	551	1,010	754
7			932	740	502	110	451	670	1,330	392
8			726	525	241	526	263	4,140	908	298
9			815	525	522	488	324		1,010	192
10			822	534	424	476	138		868	2
11			718	500	438	548	57		774	370
12			698	487	423	647	341		744	282
13		1,600	723	481	414	310	310		718	452
14		986	700	472	447	141	278		732	499
15		571	674	537	315	665	210		652	326
16		751	670	612	417	670	161		487	194
17		690	606	689	390	731	68		643	80
18		672	581	268	540	654	396		652	314
19		680	578	52	582	689	294	2,160	613	346
20		571	580	445	735	378	313	2,020	557	565
21		700	574	550	806	106	292	1,700	536	538
22		1,360	554	484	284	608	290	1,770	535	582
23		1,030	582	392	90	212	321	1,690	550	252
24		810	578	542	412	44	555	1,610	519	154
25		758	570	144	620	216	460	1,420	476	368
26		854	525	412	636	188	364	1,320	500	418
27		837	504	503	687	93	298	1,300	446	395
28		835	510	392	720	47	411	1,030	424	450
29		809	637	476	245	224	682	1,190	443	384
30		759		519	80	194	647	990	622	352
31		984		615		235		929	540	

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Tallulah River near Lakemont, Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-1917												
1				400	826	860	1,000	624	767	126	448	32
2					684	830	970	498	233	551	255	50
3					580	1,450	940	795	78	573	190	104
4				272	590	4,200	930	515	393	277	107	174
5				283	500	2,200	1,880	625	366	490	48	188
6				101	630	1,410	1,220	339	480	455	340	212
7				45		1,260	1,100	496	500	132	350	263
8			457	312	655	1,210	1,010	607	397	37	400	65
9			235		934	1,020	980	508	165	345	449	68
10					696	955	850	735	78	355	454	192
11			390	374	230	930	870	605	396	285	192	242
12			445	466	1,160	880	850	345	433	402	55	480
13			610	237	1,330	910	870	121	463	230	540	320
14				47	1,100	865	780	1,050	450	63	500	416
15				240	805	800	790	1,070	526	53	440	84
16				180	870	825	745	1,160	164	385	330	78
17				246	435	1,140	734	1,220	73	308	395	440
18				274	10	810	743	965	517	287	125	425
19				446	300	815	684	356	510	152	70	395
20				224	170	830	703	34	414	208	310	380
21				225	940	775	700	1,080	380	76	370	435
22			570	345	940	1,360	650	980	452	27	320	135
23			167	460	1,260	1,340	600	643	182	190	319	84
24			61	395	960	5,090	780	700	95	305	309	370
25			173	480	860	1,570	1,100	660	511	405	102	410
26			298	478	715	1,460	715	347	512	255		359
27			272	252	695	1,940	793	96	510	246		315
28			384	44	665	1,380	462	835	502	104	263	146
29			184	506		1,280	32	1,130	565	63	344	31
30			163	445		1,120	623	1,140	180	291	343	36
31			68	445		1,100		945		445	224	
1917-1918												
1	227	405	220	240	330	961	355	460	340	270	40	44
2	419	373	78	235	30	306	580	540	151	250	5	114
3	232	212	404	455	26	76	576	543	565	176	80	133
4	430	102	245	310	91	622	572	172	530	182	37	145
5	420	624	195	100	404	627	590	95	578	375	99	
6	132	664	196	37	376	620	238	513	527	207	360	
7	84	678	180	204	424	692	112	490	465	175	333	
8	415	641		233	415	653	226	560	140	425	363	44
9	385	593		248	55	256	314	565	116	560	409	47
10	490	280		262	33	58	248	487	626	510	136	23
11	500	73		120	568	617	220	208	475	573	43	54
12	485	435		38	623	641	312	110	415	569	140	136
13	165	490	282	79	670	650	106	504	450	213	155	118
14	87	405	310	300	580	630	24	508	416	116	136	117
15	450	495	188	338	660	670	264	468	173	500	82	64
16	400	522	82	457	130	322	486	270	134	525	91	165
17	505	243	295	374	28	100	518	350	420	490	67	176
18	487	79	283	145	310	615	490	170	445	485	30	238
19	293	480	172	62	405	586	459	85	490	412	37	172
20	180	405	220	41	450	665	251	510	430	188	39	86
21	60	470	280	32	459	716	24	385	317	65	34	5
22	197	460	150	31	455	672	318	390	118	305	8	5
23	180	390		290	141	228	278	447	110	370	18	5
24	264	180		450	24	57	225	311	290	285	19	58
25	359	84		330	445	475	420	182	425	260	7	134
26	322	416		35	645	630	104	122	445	240	128	146
27	210	420		28	792	600	151	395	424	6	135	140
28	90	490		25	866	750	19	405	400	6	192	98
29	455	355		148		710	390	440	131	6	60	82
30	315	465	90	159		275	425	490	103	50	139	142
31	350		200	193		139		500		290	74	

NOTE.—Gage-height record incomplete Dec. 31, Jan. 1, 24, 25 and June 1; discharge estimated for part of day. No gage-height record Dec. 8-12, 23-29, and Sept. 5-7.

Monthly discharge of Tallulah River near Lakemont.

[Drainage area, not measured.]

Month.	Discharge in second-feet.		
	Maximum.	Minimum.	Mean.
1916			
January.....	1,600	571	856
February.....	2,400	504	836
March.....	1,050	52	506
April.....	806	80	444
May.....	731	44	396
June.....	693	57	342
August.....	1,330	424	716
September.....	904	2	397
1917			
March.....	5,090	800	1,370
April.....	1,880	32	837
May.....	1,220	34	685
June.....	767	73	376
July.....	573	27	262
September.....	480	31	231
1917-1918			
October.....	505	60	309
November.....	678	73	398
January.....	457	25	195
February.....	866	24	373
March.....	961	57	505
April.....	590	19	310
May.....	565	85	377
June.....	626	103	355
July.....	573	6	293
August.....	409	5	113

TALLULAH RIVER AT MATHIS

Location.—About a quarter mile southeast of Lakemont station on the Tallulah Falls Railway, about 900 feet below mouth of Tiger Creek, about 1 mile below the Rabun storage dam of the Georgia Railway & Power Co., and about 5 miles upstream from Tallulah Falls, Ga.

Drainage Area.—186 square miles.

Records Available.—October 31, 1912, to September 30, 1916.

Gage.—Vertical staff in eight sections on left bank, 900 feet below mouth of Tiger Creek, read twice daily. Low-water stages hard to read because of silt which collects around lower sections of gage.

Discharge Measurements.—Made from a rough railroad trestle 400 feet upstream.

Channel and Control.—Channel composed of sand, gravel, and bowlders. A good control which has remained permanent is formed by a gravel and bowlder shoal 150 feet downstream from gage.

Regulation.—Considerable diurnal fluctuation has been caused by the Rabun Dam, which was put in formal operation May 12, 1915. Operation of small mills on Tiger Creek also causes slight fluctuation.

WATER POWERS OF GEORGIA

Daily measurements of Tallulah River at Mathis

Date.	Gage height.	Dis-charge.	Date.	Gage height.	Dis-charge.
1913			1915		
March 27	7.76	7,050	October 18	2.10	605
" 27	7.33	6,560	" 21	2.40	833
" 27	5.65	3,550	" 25	1.70	490
May 9	1.85	575	" 28	3.98	1,780
September 5	1.48	394	" 30	1.10	254
" 5	2.08	632	November 3	3.40	1,430
" 6	1.51	386			
1914			1916		
April 29	1.64	421	January 8	2.32	860
" 30	1.62	422	July 11	6.28	4,200
August 19	1.12	245			

Daily gage height, in feet, of Tallulah River at Mathis

Day.	Nov.	Dec.	Day.	Nov.	Dec.	Day.	Nov.	Dec.
1912								
1	2.15	1.65	11	1.95	1.8	21	1.7	1.7
2	1.95	1.65	12	1.8	1.85	22	1.65	1.7
3	1.9	1.75	13	1.65	1.7	23	1.6	1.75
4	1.9	1.85	14	1.75	1.7	24	1.65	1.95
5	1.8	2.15	15	1.7	1.7	25	1.6	1.85
6	1.9	2.9	16	1.7	1.75	26	1.6	1.7
7	2.45	2.2	17	1.7	1.75	27	1.65	1.85
8	2.25	2.05	18	1.7	1.85	28	1.65	1.8
9	2.05	1.9	19	1.7	1.8	29	1.65	1.75
10	1.95	1.9	20	1.75	1.7	30	1.65	2.2
						31		2.05

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Tallulah River at Mathis

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913												
1							1,150	570	476	369	270	200
2							1,050	570	454	369	308	200
3							1,020	570	432	308	270	138
4							990	570	476	328	308	110
5							936	570	476	348	270	270
6							908	570	772	411	234	432
7							880	570	826	289	252	270
7							880	570	829	628	252	270
8							908	570	965	234	369	234
9							1,020	570	936	390	390	200
10							965	570	746	270	348	168
11							1,120	546	390	270	348	153
12							965	546	522	476	308	124
13							1,050	546	476	369	308	138
14							908	522	454	308	289	168
15							880	522	432	289	270	217
16							880	522	432	270	270	270
17							853	620	390	234	270	270
18							853	522	390	234	270	234
19							772	620	499	234	200	200
20							772	522	308	234	234	252
21							772	476	411	289	289	390
22							720	476	390	826	200	234
23							720	2,210	390	270	411	234
24							695	1,250	369	270	200	200
25							670	746	348	522	217	200
26							670	645	348	411	200	184
27						5,600	670	620	348	1,080	217	138
28						1,810	670	369	348	369	200	124
29						1,450	670	522	348	328	234	252
30						1,450	670	499	411	270	270	476
31						1,310		476		270	289	
1913-1914												
1	248	218	449	314	538	388	515	428	264	164	118	129
2	218	218	388	314	388	350	492	388	280	164	140	152
3	164	218	264	314	350	350	470	314	264	264	190	140
4	140	218	280	314	314	350	428	297	264	280	164	118
5	140	204	264	280	314	350	388	538	248	190	190	118
6	140	248	248	314	515	350	350	792	264	190	140	108
7	140	248	610	492	685	350	350	470	264	164	118	98
8	152	248	369	449	492	350	1,170	428	264	280	218	98
9	164	248	297	369	408	314	660	388	248	248	140	98
10	164	248	280	297	428	314	492	350	204	280	118	108
11	164	248	280	280	408	350	428	350	190	190	118	118
12	164	190	280	248	350	848	470	350	218	190	118	140
13	164	190	248	248	449	538	428	388	190	164	118	118
14	164	190	248	248	560	470	1,110	388	190	164	280	118
15	164	190	248	248	470	449	1,170	350	190	233	314	98
16	164	190	248	248	428	428	930	314	248	248	314	98
17	164	190	218	248	369	388	738	314	248	264	297	98
18	164	190	204	248	350	350	535	314	264	218	280	140
19	177	190	248	248	470	350	610	314	314	177	280	164
20	332	177	218	248	685	350	1,170	280	248	190	350	204
21	610	164	190	248	538	350	738	280	233	164	190	140
22	190	164	190	248	492	388	738	280	204	177	108	140
23	190	164	350	248	470	350	560	280	190	140	177	118
24	610	164	280	280	449	350	560	280	190	140	428	129
25	332	164	792	332	428	350	515	280	164	140	140	140
26	280	164	538	470	428	388	515	264	164	118	140	118
27	264	164	388	248	388	388	470	248	190	118	140	118
28	314	164	332	248	369	428	470	248	140	129	140	108
29	248	164	470	248		388	449	248	140	190	152	108
30	248	248	538	332		492	449	248	204	140	140	98
31	248		470	685		610		248		140	129	

Daily discharge, in second-feet, of Tallulah River at Mathis.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-1915												
1-----	98	98	820	930	2,300	449	408	193	1,050	660	98	318
2-----	61	72	930	660	2,050	1,170	408	89	765	560	610	377
3-----	492	98	1,240	560	1,970	1,170	408	192	765	449	470	585
4-----	233	164	2,480	560	1,810	1,170	277	515	377	449	300	245
5-----	61	164	2,130	560	1,730	1,240	204	515	239	710	388	85
6-----	57	204	1,970	1,810	1,050	1,170	204	515	470	710	270	307
7-----	224	122	1,890	538	875	1,170	204	361	428	449	227	321
8-----	218	164	990	350	1,050	1,110	182	142	515	470	85	660
9-----	129	164	930	1,170	990	1,110	118	110	408	470	332	560
10-----	129	350	610	1,050	820	1,050	118	150	380	428	538	449
11-----	159	264	280	1,660	820	377	118	221	365	470	254	267
12-----	129	89	560	2,050	875	388	127	470	346	820	339	85
13-----	118	98	1,380	1,970	875	408	185	515	354	538	358	1,170
14-----	152	169	1,240	1,730	1,050	428	274	710	354	660	193	311
15-----	2,050	248	560	710	1,110	449	267	660	515	449	57	354
16-----	1,660	129	560	1,110	1,450	1,170	287	492	408	408	207	343
17-----	1,450	118	428	1,380	1,050	610	164	492	388	174	242	990
18-----	233	248	230	1,970	875	428	108	470	508	108	274	408
19-----	80	297	560	2,050	875	875	108	388	332	765	277	75
20-----	350	118	710	1,730	610	325	470	538	157	610	145	930
21-----	1,450	118	660	710	280	1,110	492	449	248	765	118	820
22-----	204	64	428	373	820	320	449	449	361	610	102	990
23-----	449	190	492	765	1,450	408	377	449	820	538	314	1,170
24-----	280	118	492	1,660	1,970	408	339	428	820	212	318	765
25-----	98	177	470	1,890	1,310	388	112	428	492	82	210	515
26-----	314	169	270	1,450	1,050	388	201	428	388	875	185	314
27-----	428	264	182	1,310	610	408	294	408	147	710	207	1,110
28-----	492	264	157	930	449	408	492	408	610	930	122	1,590
29-----	145	710	218	765	-----	428	585	428	538	820	114	1,240
30-----	72	1,520	196	710	-----	875	710	388	990	710	287	990
31-----	314	-----	177	710	-----	875	-----	428	-----	332	261	-----
1915-1916												
1-----	355	627	678	1,200	2,400	678	396	587	385	307	980	896
2-----	110	868	760	1,090	2,350	870	248	648	656	184	1,140	570
3-----	132	820	712	925	1,560	1,140	688	606	561	328	1,140	206
4-----	479	895	324	650	1,260	464	709	824	202	450	1,040	573
5-----	164	883	224	925	1,140	508	608	682	682	425	1,090	1,040
6-----	261	616	558	898	1,040	650	601	413	352	554	1,280	815
7-----	331	184	604	870	1,040	815	626	233	337	658	1,380	394
8-----	403	550	753	742	870	623	413	646	393	5,760	1,040	310
9-----	172	1,300	626	815	925	623	581	740	449	-----	1,140	337
10-----	134	868	701	732	898	623	502	588	215	8,530	980	233
11-----	455	870	367	705	815	596	543	655	182	4,420	898	438
12-----	448	1,090	256	788	788	596	530	776	447	2,270	870	435
13-----	381	494	701	1,690	815	570	458	428	456	1,970	742	514
14-----	394	143	670	1,040	760	570	541	248	398	1,620	742	518
15-----	855	503	806	622	760	627	410	822	330	1,690	689	423
16-----	354	670	816	898	760	727	518	796	238	3,820	596	287
17-----	493	570	1,150	732	678	781	415	686	182	2,110	705	184
18-----	619	553	390	760	678	326	576	566	493	2,070	705	439
19-----	1,250	196	548	760	678	199	724	693	364	2,240	678	392
20-----	1,130	257	1,140	650	678	488	686	433	426	2,110	623	663
21-----	815	85	980	788	650	641	762	206	384	1,760	596	586
22-----	650	373	870	1,410	650	552	451	584	384	1,990	596	686
23-----	650	394	760	944	705	544	206	474	605	1,830	596	331
24-----	453	404	705	925	705	667	527	170	639	1,620	570	220
25-----	493	404	760	898	678	328	689	314	518	1,500	543	422
26-----	493	327	760	898	623	517	720	319	426	1,440	543	494
27-----	412	257	732	925	623	529	803	228	384	1,380	493	434
28-----	994	220	1,070	870	623	425	774	172	385	1,200	493	505
29-----	873	530	9,400	870	732	480	421	337	618	1,320	493	458
30-----	443	521	1,620	788	-----	532	206	310	795	1,090	766	446
31-----	152	-----	768	1,270	-----	714	-----	330	-----	1,040	576	-----

Note.—Daily discharge determined from rating curve well defined above and approximate below 150 second-feet.

Monthly discharge of Tallulah River at Mathis.

[Drainage area, 186 square miles.]

Month.	Discharge in second-feet.			Accuracy.
	Maximum.	Minimum.	Mean.	
1913				
April.....	1,150	670	860	----
May.....	2,210	369	628	----
June.....	965	308	485	----
July.....	1,080	234	359	----
August.....	411	200	275	----
September.....	476	110	223	----
1913-1914				
October.....	610	140	227	B.
November.....	248	164	200	B.
December.....	792	190	336	A.
January.....	685	248	308	A.
February.....	685	314	448	A.
March.....	848	314	402	B.
April.....	1,170	350	616	B.
May.....	792	248	344	B.
June.....	314	140	223	B.
July.....	280	118	189	B.
August.....	428	108	190	B.
September.....	204	98	123	C.
The year.....	1,170	98	299	
1914-1915				
October.....	2,050	57	397	C.
November.....	1,520	64	232	C.
December.....	2,480	157	784	B.
January.....	2,050	350	1,160	B.
February.....	2,300	280	1,150	B.
March.....	1,240	325	735	B.
April.....	710	108	290	B.
May.....	710	89	401	B.
June.....	1,050	147	481	B.
July.....	930	82	546	B.
August.....	610	57	255	B.
September.....	1,590	75	611	A.
The year.....	2,480	57	584	
1915-1916				
October.....	1,250	110	498	----
November.....	1,300	85	549	----
December.....	9,400	224	1,010	----
January.....	1,690	622	906	----
February.....	2,400	623	927	----
March.....	1,140	199	594	----
April.....	803	206	544	----
May.....	824	170	500	----
June.....	795	182	430	----
August.....	1,380	493	798	----
September.....	1,040	184	475	----

TALLULAH RIVER AT TALLULAH FALLS

Location.—At the wagon bridge at Tallulah Falls, about one-fourth mile above the beginning of the falls proper, and 3½ miles above the junction of Tallulah and Chatooga rivers. No important streams flow into Tallulah River below the station.

Drainage Area.—191 square miles.

Records Available.—August 29 to October 19, 1900; January 18 to December 31, 1901; July 15, 1904 to September 30, 1912.

Gage.—Standard chain gage attached to the bridge.

Discharge Measurements.—Made from the upstream side of the wagon bridge.

Channel and Control.—Rocky, rather deep; slow current at low stages, becoming very swift at high stages. Some change in rating has occurred, probably caused by boulders lodging on or washing away from the shallow, rocky crest a short distance below. Back-water from the Georgia Railway & Power Co.'s dam reached the gage about October 1, 1912, necessitating the abandonment of the station on that date

Discharge measurements of Tallulah River at Tallulah Falls

Date.	Gage height.	Dis-charge.	Date.	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1909	Feet.	Sec.-ft.
March 6.....	2.02	642	June 11.....	3.13	1,280
" 6.....	2.02	646	" 11.....	3.13	1,280
May 11.....	2.04	708	October 31.....	1.14	278
July 17.....	1.34	354	" 31.....	1.13	272
" 17.....	1.34	340	1910		
November 11.....	1.30	318	June 24.....	2.70	904
November 12.....	1.22	303	1911		
" 12.....	1.23	300	March 14.....	1.35	352
1908			" 14.....	1.34	363
May 20.....	2.18	708	December 13.....	1.21	308
" 20.....	2.16	721	" 13.....	1.21	311
December 18.....	1.63	431	1912		
			May 9.....	2.45	845
			" 10.....	2.37	784

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Tallulah River at Tallulah Falls

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	3.3	2.2	2.0	1.7	1.9	1.6	1.2	1.9	0.8	1.4	0.9	1.3
2	2.8	2.6	3.7	1.5	1.8	1.6	1.2	1.7	.9	1.3	1.0	1.2
3	2.6	2.4	2.9	1.5	1.8	1.6	1.3	1.4	1.0	1.2	1.0	1.2
4	2.5	2.1	2.2	1.5	2.1	1.7	2.3	1.0	1.2	1.1	1.0	1.2
5	2.4	2.1	2.2	1.5	2.1	1.7	1.8	.9	1.4	1.1	1.0	1.1
6	2.4	2.0	2.1	1.7	2.0	1.5	1.2	.9	1.0	1.0	1.0	1.0
7	2.3	2.0	2.0	1.7	2.1	1.4	1.2	.8	.8	1.0	1.0	1.2
8	2.3	2.0	2.0	1.7	2.0	1.4	1.2	.7	.8	1.7	1.0	1.6
9	2.2	2.0	2.0	1.7	2.0	1.6	1.2	.7	.9	1.6	1.0	1.8
10	2.2	2.0	2.0	1.6	1.8	1.5	1.2	.6	.9	1.4	1.0	3.1
11	2.2	1.9	1.7	1.5	1.8	1.5	1.2	.6	.9	1.2	.9	3.0
12	2.1	1.9	2.0	1.5	1.8	1.5	1.2	.5	.9	1.0	.9	2.9
13	2.1	1.9	2.0	1.6	1.8	1.5	2.1	.4	.8	1.0	.9	2.9
14	2.1	1.8	1.9	1.5	1.9	1.6	1.9	1.0	.8	1.0	.9	3.3
15	2.0	1.8	2.0	1.5	1.9	1.4	1.4	1.0	.8	1.0	.8	2.1
16	2.0	1.8	1.9	1.5	1.9	1.3	1.6	1.0	.9	.9	.8	2.0
17	2.0	1.8	1.9	1.6	2.0	1.3	1.6	1.6	.8	.9	1.0	2.0
18	2.0	1.8	1.7	1.5	1.8	1.3	1.5	1.6	.8	.8	1.9	2.0
19	2.0	1.7	1.7	1.5	1.8	1.3	2.0	1.2	.7	.8	2.0	1.9
20	2.0	1.7	1.7	1.5	1.8	1.3	1.8	1.2	.7	.8	2.5	1.7
21	1.9	1.7	1.7	1.5	1.7	1.3	1.7	1.1	.7	.8	3.3	1.7
22	1.9	1.7	1.6	1.6	1.7	1.3	1.7	1.3	.8	.8	2.2	2.0
23	1.9	1.6	1.6	2.6	1.6	1.3	1.4	1.2	2.8	.8	2.3	4.2
24	1.9	1.7	1.6	2.8	1.6	1.5	1.3	1.2	1.9	.8	3.0	2.3
25	1.9	1.8	1.5	2.2	1.6	1.3	1.2	1.2	1.4	.8	2.3	2.5
26	1.9	1.9	1.5	1.9	1.8	1.4	1.2	1.2	1.2	.8	1.8	2.3
27	1.9	2.1	1.5	1.8	1.7	1.4	1.0	1.1	1.1	.8	1.6	2.1
28	1.9	2.1	1.5	1.9	1.6	1.3	2.2	1.0	1.4	.8	1.4	2.0
29	1.9		1.5	1.9	1.5	2.2	2.0	.9	2.1	.8	1.3	2.6
30	1.8		1.5	1.9	1.4	1.5	2.5	.9	1.5	.8	1.1	3.6
31	1.8		1.5		1.6		2.0	.8		1.0		3.0
1908												
1	2.9	2.9	2.5	2.2	2.5	2.0	1.4	1.3	1.5	1.0	1.4	2.0
2	2.4	2.8	2.3	2.3	2.5	2.0	1.4	1.2	1.3	1.0	1.4	2.0
3	2.4	2.8	2.3	2.2	2.5	2.0	1.5	1.1	1.3	1.0	1.4	2.0
4	2.1	2.6	2.3	2.2	2.4	2.1	1.6	1.1	1.3	1.0	1.4	1.8
5	3.0	2.2	2.2	2.2	2.3	2.2	2.0	1.4	1.5	1.0	1.4	1.4
6	2.5	2.2	2.2	2.1	2.3	2.3	2.7	1.7	1.3	1.0	1.4	1.6
7	2.4	2.1	2.2	2.1	3.2	2.3	2.7	1.4	1.3	1.0	1.4	3.4
8	2.4	2.1	2.1	2.1	2.9	2.2	2.6	1.2	1.3	1.0	1.4	6.3
9	2.2	3.0	2.1	2.1	2.4	2.2	2.6	1.2	1.3	1.3	1.4	4.0
10	2.0	3.0	2.1	2.0	2.3	2.4	2.4	1.1	1.3	2.1	1.2	3.8
11	1.9	3.3	2.2	2.0	2.3	2.3	2.4	1.1	1.3	2.1	1.2	2.5
12	4.0	4.5	2.2	2.0	2.1	2.1	2.0	1.1	1.3	2.0	1.3	1.7
13	3.0	4.6	2.0	2.9	2.1	2.1	1.7	1.1	1.2	1.8	1.4	1.6
14	2.0	5.9	2.0	2.9	2.1	2.1	1.7	1.1	1.2	1.4	1.4	1.4
15	2.0	7.0	2.0	2.8	2.1	2.1	1.6	1.0	1.2	1.0	1.3	2.3
16	2.0	5.0	2.0	2.8	2.1	2.1	1.6	1.2	1.1	1.0	1.3	2.3
17	1.8	5.3	2.0	2.5	2.1	2.0	1.6	2.0	1.1	1.0	1.3	2.0
18	1.8	4.0	2.0	2.5	2.1	2.0	1.7	1.9	1.1	1.0	1.2	2.0
19	1.9	3.0	2.1	2.5	2.0	2.0	1.4	2.4	1.1	1.0	1.2	1.7
20	1.9	2.8	2.3	2.6	2.0	1.8	1.4	2.7	1.1	1.0	1.2	1.6
21	1.6	2.6	2.3	2.4	2.0	1.5	1.4	1.2	1.0	1.0	1.2	1.6
22	1.7	2.6	3.0	2.4	2.0	1.5	1.3	2.9	1.0	1.1	1.2	1.5
23	1.8	2.6	3.3	2.3	1.9	1.5	1.3	2.8	1.0	3.9	1.2	2.6
24	2.0	2.6	4.7	2.5	1.9	1.4	1.3	2.5	1.0	2.1	2.0	1.9
25	2.0	2.0	3.2	6.8	1.8	1.3	1.4	3.6	1.0	2.1	2.0	1.7
26	2.0	2.0	2.8	3.4	1.9	1.3	1.3	2.4	1.0	2.0	1.9	1.6
27	2.0	2.0	2.4	3.2	2.1	1.3	1.3	1.6	1.0	2.3	1.4	1.6
28	2.0	1.9	2.1	3.2	2.0	1.3	1.4	1.8	1.0	2.3	1.2	1.6
29	2.0	1.9	2.7	2.8	2.0	1.3	1.4	1.6	1.0	2.3	1.0	1.5
30	2.3		2.5	2.7	2.0	1.3	1.4	1.6	1.0	1.9	1.5	1.5
31	2.6		2.4		2.0		1.3	1.5		1.6		1.4

WATER POWERS OF GEORGIA

Rating table for Tallulah River at Tallulah Falls for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.40	117	1.70	485	3.00	1,340	4.60	3,000
.50	132	1.80	530	3.10	1,420	4.80	3,260
.60	149	1.90	580	3.20	1,510	5.00	3,530
.70	168	2.00	635	3.30	1,600	5.20	3,810
.80	189	2.10	695	3.40	1,690	5.40	4,110
.90	212	2.20	760	3.50	1,780	5.60	4,410
1.00	237	2.30	825	3.60	1,880	5.80	4,730
1.10	264	2.40	890	3.70	1,980	6.00	5,060
1.20	293	2.50	960	3.80	2,080	6.20	5,410
1.30	325	2.60	1,030	3.90	2,180	6.40	5,780
1.40	360	2.70	1,105	4.00	2,290	6.60	6,160
1.50	400	2.80	1,180	4.20	2,510	6.80	6,540
1.60	440	2.90	1,260	4.40	2,750	7.00	6,930

NOTE.—The above table is based on 21 discharge measurements made during 1906 to 1908 and measurements of earlier years. It is well defined between gage heights 0.4 foot and 6 feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Tallulah River at Tallulah Falls

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	360	485	960	1,030	4,260	1,260			325	325	264	237
2	325	485	1,030	1,030	3,670	1,260			293	325	278	237
3	890	485	960	960	2,290	2,080			293	293	264	237
4	2,180	530	825	960	2,180	9,000			293	293	264	237
5	825	440	825	960	1,340	2,870			293	293	264	237
6	580	960	960	1,100	1,100	2,750			293	293	264	237
7	485	1,100	890	1,030	890	2,180			293	293	264	1,600
8	440	1,340	890	960	825	1,980			293	293	264	760
9	360	2,290	890	960	825	2,510			325	278	264	462
10	400	1,780	1,880	890	2,510	1,340			325	293	264	360
11	360	1,100	1,340	825	2,180	1,420			325	452	264	325
12	580	1,030	1,180	825	1,340	1,340			293	309	264	342
13	530	1,030	3,960	960	1,100	1,260			293	293	264	3,000
14	635	1,100	4,570	890	890	1,180			293	485	237	1,180
15	760	1,100	3,390	825	760	1,180			360	1,070	237	792
16	825	1,030	1,600	825	890	1,180		485	360	485	237	608
17	825	1,030	1,600	825	825	1,180		485	400	420	325	508
18	760	1,030	1,340	825	825	1,100		440	360	360	264	485
19	760	1,030	1,260	825	1,100	1,030		440	325	325	250	462
20	695	1,180	1,260	890	2,290	960		440	325	325	237	440
21	695	1,260	1,260	960	3,530	960		400	293	342	237	400
22	635	2,180	1,180	1,260	3,810	1,260		400	695	325	237	360
23	635	1,690	1,100	1,690	3,260	1,100		400	1,030	325	309	342
24	635	1,510	1,030	890	1,510	1,030		360	1,030	293	264	360
25	635	1,260	3,260	890	1,420	960		360	1,030	293	250	530
26	580	1,180	1,420	825	1,420	960		360	1,030	293	237	420
27	580	1,180	1,260	760	1,260	1,100		325	440	293	237	380
28	530	960	2,180	635	1,180	1,100		325	360	293	237	360
29	530		1,340	1,600	1,100	1,100		360	325	293	237	360
30	530		1,180	3,530	1,100	1,030		360	325	278	237	309
31	485		1,100		1,180			325		264		380
1910												
1	365	400	1,960	400	365	632		440	725	330	237	237
2	400	400	1,170	400	365	610		400	520	348	237	212
3	400	420	880	400	365	775		440	420	265	237	212
4	365	460	775	400	365	610		480	440	265	237	212
5	365	420	700	382	365	930		440	420	265	237	750
6	480	400	655	440	365	1,330		480	392	280	237	1,520
7	1,330	365	588	365	610	910		480	365	460	237	542
8	725	365	588	365	2,970	725		440	365	700	237	420
9	588	420	565	365	1,730	700		420	365	672	237	365
10	520	382	632	365	940	678		420	440	480	237	330
11	480	420	655	365	800	655		365	348	382	237	312
12	440	460	610	365	700	750		400	348	365	212	295
13	440	348	565	400	700	970		400	330	330	237	265
14	440	348	520	365	610	800		440	312	330	237	265
15	400	400	500	365	565	1,100		440	330	295	237	265
16	400	480	500	400	565	910		382	265	295	237	265
17	400	565	480	1,170	655	750		365	265	295	237	265
18	400	1,170	480	700	700	700		400	265	265	237	280
19	460	750	480	565	700	678		365	265	265	237	295
20	420	632	700	520	880	632	588	365	265	265	237	265
21	725	632	565	480	1,330	610	565	330	265	251	237	237
22	565	610	520	440	970	750	542	330	265	237	237	237
23	480	565	500	440	970	750	500	330	800	237	212	330
24	460	520	480	420	1,420	850	520	330	588	237	212	655
25	440	480	440	420	1,960	610	480	348	400	237	237	400
26	440	480	460	460	1,060	610	480	382	365	237	224	348
27	440	588	440	440	880	565	588	365	312	237	224	330
28	460	1,000	440	400	800	520	520	330	295	280	237	330
29	460		440	400	750	542	480	330	440	265	237	330
30	440		420	400	725	610	480	365	400	237	237	520
31	440		400		678		440	1,000		237		420

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Tallulah River at Tallulah Falls,—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	610	365	460	400	850	420	237	280	251	189	251	400
2	1,730	330	440	400	775	365	251	365	212	189	230	365
3	2,580	312	400	400	700	365	237	750	212	189	230	330
4	1,330	382	382	542	655	400	251	700	224	178	230	312
5	800	365	365	4,730	655	365	265	480	212	178	251	312
6	655	365	365	1,840	632	365	251	420	420	168	365	330
7	610	365	365	1,330	610	365	237	365	295	168	420	312
8	565	440	382	1,330	610	382	251	382	237	168	430	312
9	500	700	365	1,330	610	480	348	330	224	178	910	286
10	480	632	365	1,000	565	365	265	280	237	189	520	295
11	440	520	365	970	565	330	251	265	312	910	440	330
12	420	565	365	2,200	520	330	280	251	224	520	420	330
13	400	520	348	1,960	520	295	295	237	212	330	440	312
14	400	500	348	1,730	520	295	295	251	189	265	400	295
15	365	480	348	1,420	520	295	280	251	185	224	382	330
16	365	440	330	1,140	480	295	348	251	237	224	382	610
17	365	440	330	1,000	480	295	850	237	212	1,520	365	460
18	382	420	330	940	480	295	330	237	212	1,030	565	420
19	382	400	365	1,030	480	348	295	224	200	565	440	382
20	365	588	440	1,060	480	348	265	212	185	460	382	400
21	365	460	365	910	800	348	330	200	251	400	365	970
22	365	420	330	825	520	295	348	185	237	460	348	1,170
23	348	400	330	800	542	365	265	185	700	365	365	1,170
24	330	382	330	750	632	295	265	185	382	330	400	850
25	312	365	330	725	500	280	330	185	330	295	348	700
26	348	365	565	700	480	265	237	185	265	295	330	750
27	365	400	775	678	440	265	237	185	224	295	330	1,330
28	330	365	542	700	440	265	237	189	224	280	588	910
29	330	-----	520	750	440	265	224	185	212	280	480	700
30	365	-----	480	725	400	280	207	420	212	265	400	655
31	365	-----	440	-----	420	-----	207	348	-----	265	-----	1,420
1912												
1	910	700	910	1,520	1,030	610	610	700	365	-----	-----	-----
2	800	655	800	1,330	970	588	655	588	330	-----	-----	-----
3	800	655	800	1,170	970	610	1,100	565	330	-----	-----	-----
4	700	610	800	1,100	970	610	910	1,100	348	-----	-----	-----
5	610	520	800	1,030	910	588	1,330	610	365	-----	-----	-----
6	610	520	970	1,030	910	700	1,730	588	365	-----	-----	-----
7	565	520	850	1,030	1,030	700	1,100	565	330	-----	-----	-----
8	610	520	800	970	910	610	910	565	330	-----	-----	-----
9	700	520	850	910	800	565	910	655	295	-----	-----	-----
10	610	520	750	910	800	520	910	655	295	-----	-----	-----
11	565	500	750	910	800	520	1,170	610	382	-----	-----	-----
12	565	480	800	850	800	500	910	565	348	-----	-----	-----
13	565	480	750	850	700	480	800	542	312	-----	-----	-----
14	520	500	750	850	700	1,100	800	520	330	-----	-----	-----
15	480	1,730	5,230	850	700	1,030	750	542	2,200	-----	-----	-----
16	440	970	1,730	910	800	850	800	520	750	-----	-----	-----
17	440	800	1,330	1,030	800	655	910	520	480	-----	-----	-----
18	480	800	1,100	970	700	588	910	588	365	-----	-----	-----
19	700	750	1,030	910	700	542	1,330	520	348	-----	-----	-----
20	565	750	970	850	700	520	910	480	330	-----	-----	-----
21	520	1,730	910	850	700	480	1,100	460	312	-----	-----	-----
22	480	1,250	850	910	655	480	910	610	440	-----	-----	-----
23	480	910	910	1,250	655	440	1,030	520	5,060	-----	-----	-----
24	480	970	2,080	1,030	655	565	910	460	970	-----	-----	-----
25	460	970	1,250	910	610	1,030	800	440	610	-----	-----	-----
26	440	970	1,030	850	610	800	700	460	520	-----	-----	-----
27	440	1,520	970	1,030	700	800	700	440	542	-----	-----	-----
28	440	1,170	970	970	700	700	610	400	750	-----	-----	-----
29	1,840	1,030	5,060	1,100	1,330	850	610	382	542	-----	-----	-----
30	1,250	-----	1,960	1,170	800	700	610	400	480	-----	-----	-----
31	800	-----	1,520	-----	700	-----	588	382	-----	-----	-----	-----

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Tallulah River at Tallulah Falls

[Drainage area, 191 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	1,600	530	731	3.83	4.42	-----
February	1,030	440	607	3.18	3.31	-----
March	1,980	400	607	3.18	3.67	-----
April	1,180	400	507	2.65	2.96	-----
May	695	360	537	2.81	3.24	-----
June	760	325	393	2.06	2.30	-----
July	960	237	447	2.34	2.70	-----
August	580	117	265	1.39	1.60	-----
September	1,180	168	291	1.52	1.70	-----
October	485	189	246	1.29	1.49	-----
November	1,600	189	442	2.31	2.58	-----
December	2,510	237	817	4.28	4.93	-----
The year	2,510	117	491	2.57	34.90	-----
1908						
January	2,290	440	796	4.17	4.81	-----
February	6,930	580	1,690	8.85	9.54	-----
March	3,180	635	928	4.86	5.60	-----
April	6,540	635	1,150	6.02	6.72	-----
May	1,510	530	763	3.99	4.60	-----
June	890	325	589	3.08	3.44	-----
July	1,100	325	517	2.71	3.12	-----
August	1,880	237	539	2.82	3.25	-----
September	400	237	287	1.50	1.67	-----
October	2,180	237	476	2.49	2.87	-----
November	635	237	358	1.87	2.09	-----
December	5,590	360	851	4.46	5.14	-----
The year	6,930	237	745	3.90	52.85	-----
1909						
January	2,180	325	647	3.39	3.91	A.
February	2,290	440	1,130	5.92	6.16	A.
March	4,570	825	1,550	8.12	9.36	A.
April	3,530	635	1,050	5.50	6.14	A.
May	4,260	760	1,710	8.95	10.32	A.
June	9,000	960	1,660	8.69	9.70	A.
July	-----	-----	780	4.08	4.70	B.
August	-----	-----	510	2.67	3.08	B.
September	1,030	293	431	2.26	2.52	A.
October	1,070	264	348	1.82	2.10	B.
November	325	237	257	1.35	1.51	B.
December	3,000	237	547	2.86	3.30	A.
The year	9,000	237	885	4.63	62.80	-----

WATER POWERS OF GEORGIA

Monthly discharge of Tallulah River at Tallulah Falls—continued

[Drainage area, 191 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1910						
January-----	1,330	365	489	2.56	2.95	A.
February-----	1,170	348	517	2.71	2.82	A.
March-----	1,960	400	616	3.23	3.72	A.
April-----	1,170	365	447	2.34	2.61	A.
May-----	2,970	365	866	4.53	5.22	A.
June-----	1,330	520	742	3.88	4.33	A.
July-----			682	3.57	4.12	C.
August-----	1,000	330	413	2.16	2.49	A.
September-----	725	265	386	2.02	2.25	B.
October-----	700	237	318	1.66	1.91	B.
November-----	237	212	234	1.23	1.37	B.
December-----	1,520	212	378	1.98	2.28	B.
The year-----	2,970	212	508	2.66	36.07	
1911						
January-----	2,580	312	567	2.97	3.42	A.
February-----	700	312	439	2.30	2.40	A.
March-----	775	330	402	2.10	2.42	A.
April-----	4,730	400	1,140	5.97	6.66	B.
May-----	850	400	559	2.93	3.38	A.
June-----	480	265	331	1.73	1.93	A.
July-----	850	207	289	1.51	1.74	A.
August-----	750	185	297	1.55	1.79	A.
September-----	700	185	253	1.35	1.51	A.
October-----	1,520	168	367	1.92	2.21	A.
November-----	910	230	399	2.09	2.33	A.
December-----	1,420	295	573	3.00	3.46	A.
The year-----	4,730	168	468	2.45	33.25	
1912						
January-----	1,840	440	641	3.36	3.87	A.
February-----	1,730	430	828	4.34	4.68	A.
March-----	5,230	750	1,300	6.81	7.85	B.
April-----	1,520	850	1,000	5.24	5.85	A.
May-----	1,330	610	800	4.19	48.3	A.
June-----	1,100	440	658	3.45	3.85	A.
July-----	1,730	538	904	4.73	5.45	A.
August-----	1,100	382	547	2.86	3.30	A.
September-----	5,060	295	647	3.39	3.78	B.

TIGER CREEK AT LAKEMONT

Location.—100 feet upstream from Tallulah Falls Railway bridge, 600 feet downstream from Phillips' grist mill dam, 800 feet upstream from junction of creek with Tallulah River.

Drainage Area.—31 square miles.

Records Available.—January 11, 1916 to September 30.

Gage.—Staff gage in three sections, enamel faced, on right bank, read by an employee of the Georgia Railway & Power Co.

Discharge Measurements.—Made from cable one-fourth mile upstream from gage, in front of Lakemont railroad station.

Channel and Control.—Bed rocky and rough at gage. Under gaging cable bed of channel is sandy and shifting. Control, solid rock shoal just below gage; permanent. Backwater from very high floods on Tallulah River probably affects stage-discharge relation.

Regulation.—Phillips' mill can cause considerable variation in stage. However, the gage is read only when mill is not running, and the pond above dam has practically no storage.

Discharge measurements of Tiger Creek at Lakemont

Date.	Gage height.	Discharge
1916		
June 20.....	Feet. 1.40	Sec.-ft. 55
July 11.....	3.00	514
" 12.....	2.44	337
" 19.....	1.98	193
October 8.....	1.32	44.6
November 4.....	1.33	46.9
" 5.....	1.30	43
1917		
July 9.....	1.26	36.8
August 2.....	2.82	451
1918		
May 10.....	1.67	108
August 25.....	1.16	28

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Tiger Creek at Lakemont

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916												
1					291	98	63	56	50	50	122	70
2					352	139	63	56	42	64	122	70
3					179	120	84	56	49	49	122	70
4					120	109	70	56	49	42	122	64
5					109	98	70	56	49	42	131	57
6					109	89	70	56	109	42	131	56
7					109	98	77	56	59	45	136	56
8					109	89	73	56	56	979	125	56
9					109	87	70	56	50		189	57
10					109	87	70	45	48	1,080	192	70
11				87	91	87	70	42	50	483	109	63
12				91	87	87	64	42	62	339	109	62
13				107	87	87	63	42	56	253	109	57
14				89	87	87	63	42	59	192	109	69
15				87	87	87	63	42	67	158	109	67
16				98	87	87	64	42	78	329	109	57
17				87	87	73	64	42	64	182	109	56
18				87	87	70	63	42	56	163	107	56
19				87	87	70	63	42	56	208	98	56
20				87	87	70	63	42	56	230	98	56
21				87	87	70	63	42	57	192	89	56
22				109	87	70	63	125	50	352	91	56
23				98	87	64	63	323	55	240	89	56
24				87	91	63	63	98	64	201	87	56
25				89	87	63	63	72	56	163	85	56
26				89	87	72	63	73	56	163	78	56
27				96	87	87	63	78	50	158	78	59
28				87	89	78	56	78	49	136	72	57
29				87	105	64	56	84	43	141	70	57
30				87		63	56	63	42	136	70	56
31				150		63		57		122	70	
1916-1917												
1	46	42	57	66	132	114	154	91	66	42	52	127
2	52	42	50	61	98	105	135	91	65	42	256	157
3	55	42	46	61	87	275	117	91	63	42	69	87
4	46	42	43	63	75	276	157	109	60	42	65	71
5	42	42	48	77	73	278	291	100	57	42	57	68
6	42	42	48	71	66	192	174	96	57	42	57	55
7	42	42	42	65	63	168	154	98	57	42	69	57
8	42	42	57	61	65	168	165	91	89	42	69	55
9	42	42	69	58	63	130	154	87	77	42	58	52
10	42	42	50	55	63	112	146	85	71	42	55	51
11	42	42	50	55	61	114	127	81	61	42	55	51
12	42	52	55	51	58	109	124	77	60	42	55	50
13	42	52	48	71	58	102	130	73	57	42	55	48
14	42	54	48	105	58	112	127	71	75	42	51	48
15	42	47	48	165	65	114	117	71	58	41	50	50
16	42	42	48	137	63	114	114	71	55	39	48	50
17	42	42	48	102	57	165	114	69	55	38	48	47
18		42	50	83	68	127	109	63	52	73	48	47
19	122	42	50	75	195	117	102	61	48	91	52	47
20	73	42	48	71	336	105	102	60	48	75	55	43
21	71	42	57	71	130	198	102	61	63	143	50	42
22	57	42	63	87	100	130	102	73	51	91	48	47
23	50	69	61	71	162	272	102	69	48	61	43	43
24	42	55	55	73	171	800	102	63	48	55	42	42
25	42	48	55	66	122	213	102	63	48	55	42	42
26	42	47	55	63	100	198	105	63	46	51	42	40
27	42	42	91	63	91	291	102	63	43	48	42	96
28	42	52	154	63	83	168	93	66	43	48	42	85
29	46	71	91	81		160	124	57	43	48	40	61
30	43	63	73	69		157	117	55	42	48	77	52
31	42		68	81		154		61		65	352	

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Tiger Creek at Lakemont—continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-1918												
1-----	50	47	41	48	105	66	55	73	55	46	41	33
2-----	46	43	39	39	107	66	57	68	54	43	51	32
3-----	43	42	39	39	100	65	57	63	52	42	43	37
4-----	42	42	38	43	83	71	55	58	61	42	40	35
5-----	41	42	37	39	71	66	55	58	55	40	38	47
6-----	40	41	37	57	71	63	54	58	57	38	36	41
7-----	40	41	38	45	73	68	98	55	55	37	34	42
8-----	40	40	42	43	71	63	95	66	52	37	33	41
9-----	51	39	41	43	69	65	105	91	52	37	33	41
10-----	43	38	46	43	71	66	87	100	51	36	33	38
11-----	42	37	43	109	65	61	81	73	48	34	37	34
12-----	40	40	48	89	66	58	71	68	57	34	34	33
13-----	40	87	46	65	65	58	68	69	52	34	33	33
14-----	40	61	43	60	68	57	63	65	50	34	33	32
15-----	39	51	42	89	69	55	63	61	48	34	33	32
16-----	39	48	41	69	105	55	68	58	47	34	33	32
17-----	39	43	42	60	100	58	65	58	47	34	73	34
18-----	43	42	43	52	85	55	79	57	47	35	39	46
19-----	162	42	43	54	122	54	68	75	47	39	46	45
20-----	63	45	41	52	127	60	73	68	47	36	38	48
21-----	55	43	41	51	105	65	73	60	63	48	34	42
22-----	54	42	41	50	89	63	68	98	50	42	33	34
23-----	52	42	40	50	81	60	65	73	47	43	33	34
24-----	50	42	42	52	75	63	61	135	46	45	37	32
25-----	48	42	40	54	71	60	60	79	48	41	35	32
26-----	48	41	43	54	71	57	69	69	50	47	34	31
27-----	48	39	43	98	68	55	63	65	45	63	34	33
28-----	48	37	41	518	68	55	63	61	42	46	39	32
29-----	48	41	41	186	-----	54	61	58	42	42	37	37
30-----	52	41	39	259	-----	54	83	57	47	43	35	36
31-----	47	-----	41	137	-----	52	-----	57	-----	42	34	-----

Monthly discharge of Tiger Creek at Lakemont.
[Drainage area, 29 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1916					
January 11-31	150	87	94.0	3.03	2.37
February	352	87	113	3.65	3.94
March	139	63	83.1	2.68	3.09
April	84	56	65.3	2.11	2.35
May	323	42	66.5	2.15	2.48
June	109	42	56.2	1.81	2.02
July	-----	42	-----	-----	-----
August	192	70	108	3.48	4.01
September	70	56	59.7	1.93	2.15
1916-1917					
October	122	42	50.4	1.74	2.01
November	71	42	46.9	1.62	1.81
December	154	42	58.9	2.03	2.34
January	165	51	75.5	2.60	3.00
February	386	57	98.7	3.40	3.54
March	800	102	185	6.38	7.36
April	291	93	129	4.45	4.96
May	109	55	75.2	2.59	2.99
June	89	42	56.9	1.96	1.19
July	143	38	55.5	1.84	2.12
August	352	40	69.2	2.39	2.76
September	157	40	60.4	2.08	2.32
The year	800	38	79.9	2.76	37.40
1917-1918					
October	162	39	49.5	1.71	1.97
November	87	37	44.0	1.52	1.70
December	48	37	41.4	1.43	1.65
January	518	39	85.4	2.94	3.39
February	127	65	82.9	2.86	2.98
March	71	52	60.3	2.08	2.40
April	105	54	69.4	2.39	2.67
May	135	55	69.5	2.40	2.77
June	63	42	50.3	1.73	1.93
July	63	34	40.3	1.39	1.60
August	73	33	37.6	1.30	1.50
September	48	31	36.6	1.26	1.41
The year	518	31	55.4	1.91	25.97

BROAD RIVER (OF GEORGIA) NEAR CARLTON

Location.—At Seaboard Air Line Railway bridge 3 miles east of Carlton, Ga., and 2 miles above the mouth of South Fork, Broad River.

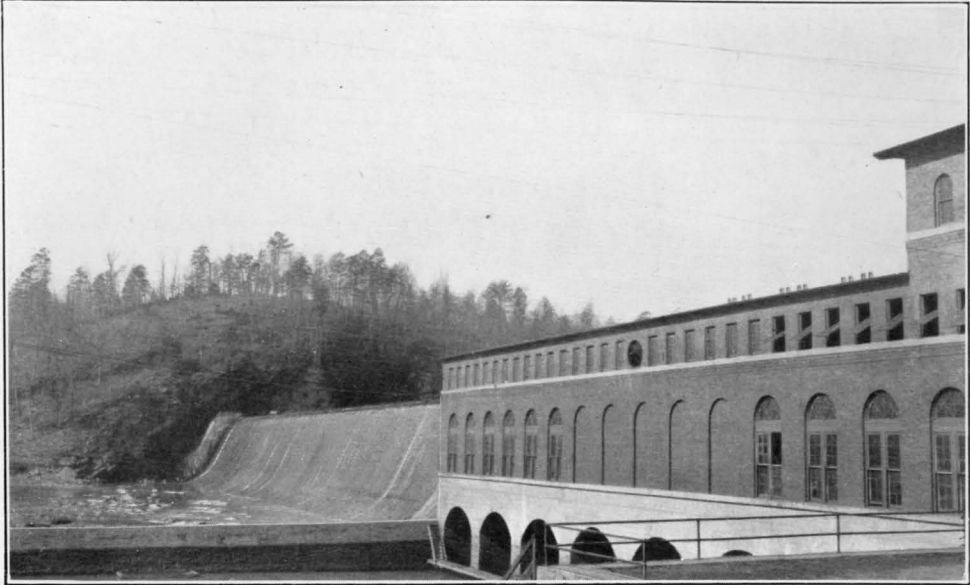
Drainage Area.—762 square miles.

Records Available.—May 27, 1897 to December 31, 1912.

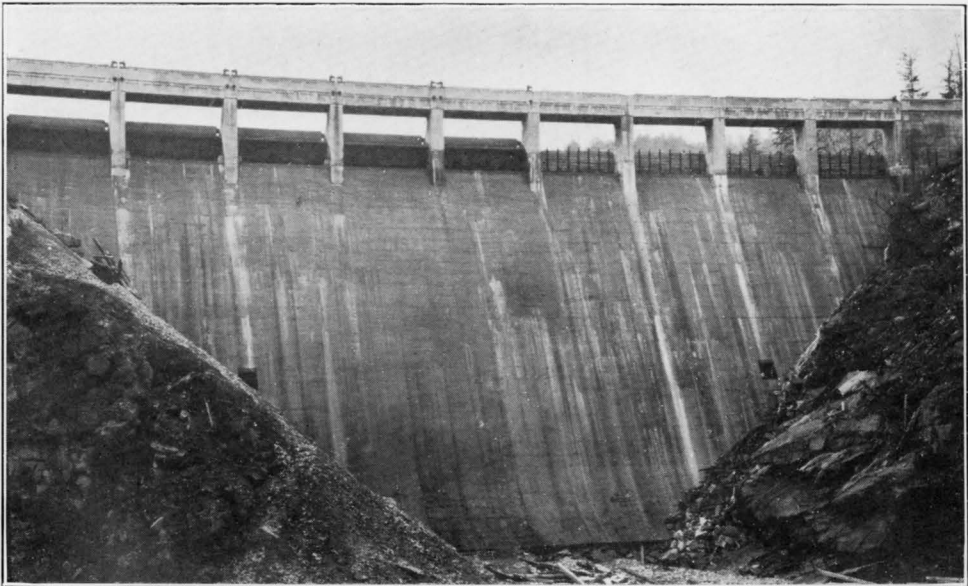
Gage.—Standard chain gage attached to the railroad bridge.

Discharge Measurements.—Made from the upstream side of decked railroad bridge.

Channel and Control.—The bed of the stream is sand and gravel and may be slightly changeable. The left bank overflows for about 400 feet at gage height of 16 feet.



BULL SLUICE POWER PLANT AND DAM, GEORGIA RAILWAY & POWER COMPANY, CHATTAHOOCHEE RIVER NEAR ROSWELL, GEORGIA.



DAM, GEORGIA RAILWAY & POWER COMPANY, TALLULAH RIVER, TALLULAH FALLS, GEORGIA

Accuracy.—As no discharge measurements have been made at this station since 1910 it is not known what conditions may have affected the rating, and the estimates since 1910 should be used with caution.

Cooperation.—Gage heights are furnished by the United States Weather Bureau.

Discharge measurements of Broad River (of Georgia) near Carlton

Date.	Gage height.	Discharge.
1910		
February 9	Feet. 2.93	Sec.-ft. 795
May 16	2.54	759

Daily gage height, in feet, of Broad River (of Georgia) near Carlton

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	6.7	2.6	4.4	2.6	2.7	5.3	2.4	3.0	1.7	2.3	1.8	2.9
2	6.3	3.5	5.5	2.5	2.7	3.6	2.5	2.6	1.5	2.0	1.8	2.7
3	3.9	3.4	6.3	2.5	2.7	3.0	2.5	2.4	1.5	2.0	1.8	2.5
4	3.6	3.4	5.2	2.5	3.0	2.6	2.4	2.6	4.0	2.0	1.8	2.5
5	3.4	6.0	3.7	2.5	3.0	2.5	2.4	2.0	2.8	2.0	1.8	2.5
6	3.4	6.0	3.4	2.5	3.0	2.4	2.4	2.0	2.2	2.0	1.8	2.4
7	3.3	4.6	3.2	3.0	3.1	2.4	2.3	1.9	2.0	1.9	1.8	2.4
8	3.1	3.5	3.1	2.9	2.9	2.3	2.2	1.9	2.0	1.9	1.8	2.3
9	3.0	3.3	3.0	2.6	2.9	2.3	2.0	1.9	1.9	1.9	1.8	2.3
10	3.0	3.1	3.0	2.6	2.7	2.3	2.2	1.9	1.9	1.9	2.0	3.0
11	3.0	3.1	3.0	2.6	2.6	2.3	2.5	1.9	1.9	1.7	2.0	3.3
12	2.9	3.0	3.0	2.7	2.6	2.2	2.5	1.9	1.9	1.7	2.0	3.0
13	2.9	3.0	2.9	2.6	2.6	2.2	3.7	1.9	1.9	1.7	2.2	2.6
14	2.8	2.9	2.9	2.6	2.6	2.7	2.8	1.9	1.9	1.7	2.2	5.0
15	2.8	2.9	3.0	2.5	2.6	2.6	3.1	2.4	1.9	1.7	2.0	4.9
16	2.8	2.8	3.0	2.5	2.7	2.6	3.5	3.3	2.0	1.7	2.0	4.0
17	2.7	2.8	3.0	2.5	2.6	2.5	2.6	3.1	1.9	1.7	2.0	3.6
18	2.7	2.8	2.9	2.6	2.6	2.4	2.2	2.5	1.8	1.7	2.2	3.0
19	2.6	2.8	2.7	2.6	2.5	2.4	3.4	2.5	1.7	1.7	3.0	3.0
20	2.6	2.8	2.7	2.5	2.4	2.3	3.0	3.0	1.7	1.7	3.0	3.0
21	2.6	2.7	2.7	3.0	2.4	2.3	2.8	2.5	1.7	1.7	3.2	2.9
22	2.6	2.7	2.7	3.0	2.3	2.3	2.5	2.5	1.7	1.7	5.3	2.6
23	2.6	2.7	2.6	6.1	2.3	2.3	2.3	3.3	5.5	1.7	3.9	6.6
24	2.5	2.7	2.6	7.6	2.3	2.3	2.2	2.2	4.1	1.7	6.1	6.2
25	2.5	2.8	2.6	4.7	2.6	2.3	2.1	2.0	2.5	1.7	6.0	5.0
26	2.5	2.9	2.6	3.5	2.4	2.5	2.0	1.9	2.0	1.7	4.0	3.5
27	2.5	4.1	2.6	3.0	3.0	2.4	2.0	1.9	2.0	1.7	2.6	3.0
28	2.5	3.8	2.6	3.0	2.8	2.4	1.9	1.8	2.7	1.8	2.4	3.0
29	2.5	---	2.6	2.8	2.6	2.5	1.9	1.8	3.2	1.8	3.0	3.0
30	2.5	---	2.5	2.7	2.5	2.5	3.6	1.8	3.0	1.8	3.6	7.1
31	2.6	---	2.5	---	2.6	---	3.1	1.7	---	1.8	---	7.2

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Broad River (of Georgia) near Carlton.
—Continued.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1-----	9.1	6.6	3.0	3.0	3.3	2.6	2.5	2.3	3.3	2.4	3.7	2.5
2-----	4.3	6.0	2.9	3.0	3.0	2.6	2.5	2.2	3.0	2.4	3.0	2.6
3-----	3.6	5.0	2.9	3.0	3.0	2.5	3.0	2.2	3.0	2.4	2.8	2.6
4-----	3.0	4.6	2.9	3.0	3.0	2.5	3.6	2.2	2.9	2.4	4.5	2.5
5-----	4.4	3.0	2.8	3.0	3.0	2.6	5.3	2.8	3.2	2.3	4.4	2.5
6-----	4.0	3.0	2.8	3.2	3.0	2.5	7.3	4.0	5.0	2.3	3.3	2.5
7-----	4.4	3.0	2.8	3.5	3.5	2.5	5.2	3.5	6.3	2.3	3.0	3.0
8-----	5.0	2.8	2.8	3.4	3.7	2.5	5.0	2.7	4.1	2.3	3.0	5.5
9-----	3.8	2.8	2.7	3.4	3.0	2.5	3.9	4.4	3.0	2.4	2.8	5.5
10-----	3.0	4.0	2.7	3.0	3.0	2.5	3.7	3.5	2.8	2.4	2.5	4.6
11-----	3.0	6.6	2.7	3.0	2.8	4.1	4.0	3.0	2.6	4.1	2.5	3.4
12-----	7.5	8.0	3.0	2.8	2.8	3.2	3.2	2.6	2.5	3.5	2.5	3.0
13-----	7.3	6.0	3.0	2.8	2.8	2.6	2.6	2.4	2.5	2.5	2.5	3.3
14-----	5.0	4.6	3.0	2.8	2.8	2.6	2.8	2.3	2.5	2.5	3.3	3.0
15-----	3.5	7.7	2.8	3.0	2.8	4.0	2.6	2.3	2.5	2.4	3.0	2.9
16-----	3.3	9.5	2.8	9.1	2.8	3.3	2.5	2.3	2.5	2.4	3.0	2.9
17-----	3.0	8.0	2.7	7.2	2.7	4.0	2.5	2.3	2.5	2.4	2.8	2.8
18-----	3.0	3.8	2.7	4.3	2.7	5.3	2.5	2.3	2.4	2.4	2.7	2.7
19-----	2.9	4.1	2.7	4.3	3.0	4.5	2.5	2.8	2.4	2.3	2.6	2.7
20-----	2.9	4.6	2.7	4.0	3.4	3.0	2.5	3.2	2.4	2.3	2.6	2.7
21-----	2.9	3.9	4.6	3.4	3.0	2.7	2.4	3.0	2.4	2.3	2.6	2.7
22-----	2.6	3.6	3.7	3.3	2.8	2.7	2.4	3.5	2.4	2.3	2.6	6.4
23-----	2.6	3.4	5.0	3.0	2.7	3.0	2.4	6.5	2.4	3.0	2.6	9.0
24-----	2.5	3.3	13.4	3.0	2.7	2.8	2.3	15.0	2.4	4.5	2.6	8.6
25-----	2.5	3.2	10.0	3.3	2.7	2.6	2.3	30.0	2.4	3.5	2.6	4.0
26-----	2.5	3.2	5.1	9.1	2.7	2.6	2.3	23.5	2.4	3.3	2.6	3.5
27-----	2.6	3.0	4.0	7.3	2.6	3.4	2.3	8.0	2.4	3.0	2.5	3.3
28-----	2.8	3.0	3.7	4.7	3.0	2.8	2.3	4.8	2.5	3.6	2.5	3.0
29-----	2.6	3.0	3.5	3.7	2.8	2.5	2.3	4.0	2.5	6.8	2.5	3.0
30-----	2.6	-----	3.3	3.4	2.6	2.5	2.3	3.6	2.4	5.7	2.5	3.0
31-----	2.6	-----	3.2	-----	2.6	-----	2.3	3.4	-----	4.0	-----	3.0

NOTE.—The maximum stage of 39.0 feet, reached August 25, 1908, is the highest recorded since the establishment of this station.

Rating table for Broad River (of Georgia) near Carlton for 1906 and 1908, inclusive.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.50	305	3.30	1,290	5.20	3,100	16.00	19,800
1.60	340	3.40	1,370	5.40	3,325	17.00	21,500
1.70	375	3.50	1,450	5.60	3,560	18.00	23,200
1.80	415	3.60	1,535	5.80	3,800	19.00	24,900
1.90	455	3.70	1,620	6.00	4,050	20.00	26,700
2.00	500	3.80	1,705	6.20	4,300	21.00	28,500
2.10	545	3.90	1,790	6.40	4,560	22.00	30,300
2.20	595	4.00	1,880	6.60	4,820	23.00	32,200
2.30	645	4.10	1,970	6.80	5,090	24.00	34,200
2.40	695	4.20	2,065	7.00	5,360	25.00	36,300
2.50	750	4.30	2,160	8.00	6,760	26.00	38,400
2.60	805	4.40	2,255	9.00	8,220	27.00	40,600
2.70	865	4.50	2,350	10.00	9,760	28.00	42,800
2.80	930	4.60	2,450	11.00	11,360	29.00	45,000
2.90	1,000	4.70	2,555	12.00	13,000	30.00	47,200
3.00	1,070	4.80	2,660	13.00	14,700		
3.10	1,140	4.90	2,770	14.00	16,400		
3.20	1,215	5.00	2,880	15.00	18,000		

NOTE.—The above table is based on 11 discharge measurements made during 1904–1906 and one measurement at gage height 9.05 feet made during 1899. Other measurements prior to 1904 serve to still further define the rating curve below 9 feet. It is well defined between gage heights 1.5 feet and 10 feet. The rating table is only approximate for stages above about 20 feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Broad River (of Georgia), near Carlton.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	1,800	835	1,220	1,370	7,490	1,070	1,220	1,220	670	670	778	722
2	1,540	835	1,540	1,370	8,990	1,070	1,070	1,370	670	620	778	722
3	1,070	835	2,060	1,370	5,780	6,760	1,070	5,220	620	620	778	722
4	1,070	835	1,700	1,220	2,880	14,200	1,070	7,340	620	620	722	778
5	1,700	835	1,370	1,220	1,540	7,640	965	3,210	620	620	722	778
6	6,760	1,370	1,070	1,070	1,370	2,770	930	2,350	620	670	722	778
7	4,820	1,070	3,210	1,070	1,220	1,880	1,370	3,560	620	670	722	778
8	1,880	898	2,450	1,370	1,070	1,700	3,440	1,700	620	670	722	2,880
9	1,370	835	1,880	1,370	1,070	1,370	4,690	1,370	620	670	722	2,770
10	1,070	7,640	8,370	1,220	1,220	1,220	2,880	1,070	835	670	722	1,370
11	1,070	5,090	7,340	1,070	2,350	1,070	1,700	1,070	778	670	722	1,070
12	1,070	2,880	3,560	1,070	1,700	1,070	1,370	965	670	778	722	965
13	1,070	2,060	5,920	1,220	1,370	1,070	1,220	898	670	722	722	1,540
14	1,070	2,770	9,760	1,370	1,220	965	1,370	835	670	722	722	2,990
15	1,070	2,350	8,530	1,370	1,070	1,540	1,540	835	670	5,090	722	2,450
16	1,070	4,050	2,880	1,220	1,070	1,370	1,220	1,070	1,970	2,990	722	1,540
17	3,800	3,440	2,350	1,070	1,070	1,220	1,370	1,070	3,440	1,220	722	1,370
18	2,880	2,260	2,060	1,070	1,070	1,220	1,370	898	7,340	1,070	722	1,070
19	2,060	1,700	1,700	1,070	965	1,070	1,220	835	1,880	1,070	722	1,070
20	1,700	2,450	1,700	1,070	1,700	1,070	1,070	778	1,370	965	722	1,070
21	1,370	1,880	2,350	1,070	6,480	1,070	1,070	778	965	898	722	1,070
22	1,370	8,990	2,160	965	6,060	1,070	898	778	965	1,070	722	1,070
23	1,220	12,700	1,880	1,370	3,440	1,220	1,070	778	1,070	1,070	778	898
24	1,070	9,300	1,700	1,540	2,660	1,540	1,070	722	1,370	1,070	778	722
25	1,070	4,050	6,340	1,540	1,880	1,370	1,370	722	1,070	1,070	778	1,070
26	1,070	2,560	2,350	1,540	1,540	1,370	1,220	722	1,070	1,070	778	1,880
27	965	1,700	1,880	1,540	1,540	2,450	1,070	722	898	989	722	1,220
28	965	1,540	2,060	1,880	1,880	2,660	898	722	778	898	722	1,070
29	898	2,350	1,700	1,220	2,990	835	670	722	898	898	722	835
30	835	1,700	1,540	1,220	1,540	1,700	670	670	670	898	722	722
31	835	1,370		1,220			1,370	670		778		620
1910												
1	750	1,450	6,060	695	645	500	1,790	865	17,200	545	595	595
2	930	1,140	5,220	545	545	595	3,210	595	8,990	545	500	545
3	750	930	3,100	645	595	695	1,790	750	3,100	595	545	500
4	695	1,140	1,970	865	500	1,070	1,540	805	1,880	500	595	595
5	595	645	1,140	695	595	595	1,880	595	1,290	595	500	750
6	750	545	1,070	500	645	750	2,450	805	1,540	595	645	2,660
7	1,070	645	1,290	645	545	1,370	2,350	1,140	1,140	750	595	1,880
8	1,370	595	1,140	695	805	1,880	2,770	865	695	1,370	500	1,450
9	865	930	930	805	2,160	1,220	3,440	1,790	805	1,070	545	1,290
10	805	805	805	645	1,970	930	1,880	1,140	595	865	595	750
11	805	1,290	695	645	1,620	1,450	1,450	805	595	645	545	645
12	595	1,140	1,000	545	1,450	2,160	695	595	645	500	595	500
13	545	930	645	500	1,220	1,790	930	865	545	595	545	595
14	750	805	750	545	1,070	2,450	695	750	645	695	595	695
15	750	695	645	645	930	5,500	2,770	595	595	545	500	595
16	695	805	750	500	805	2,350	1,700	500	500	645	645	545
17	695	750	1,000	645	865	1,070	645	645	595	545	545	500
18	695	4,430	865	1,880	750	930	1,290	500	545	500	645	865
19	695	4,180	750	1,700	695	645	1,620	595	595	595	595	645
20	695	1,970	695	805	1,700	930	1,140	750	545	545	500	930
21	865	1,790	805	645	2,350	865	865	805	595	595	595	695
22	1,450	2,060	695	595	1,450	1,140	595	645	500	500	545	595
23	805	1,540	695	645	1,140	595	930	595	805	595	500	695
24	1,070	1,450	750	500	930	930	1,070	695	1,140	500	595	865
25	1,220	1,540	865	645	865	1,220	750	865	805	545	545	1,070
26	1,220	1,370	645	500	2,560	865	645	750	595	595	500	803
27	1,140	1,000	545	595	1,620	645	865	595	500	500	595	595
28	1,790	805	865	695	1,290	500	645	645	645	545	645	545
29	2,990		695	545	1,070	645	805	545	750	645	750	500
30	1,880		500	645	865	2,350	595	645	645	595	645	645
31	1,620		645		645		500	14,700		500		865

NOTE.—These discharges were obtained from a rating curve which is well defined below 9,800 second-feet.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Broad River (of Georgia) near Carlton—
continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	1,070	750	750	645	805	595	595	645	695	645	695	645
2	1,450	595	595	750	695	695	750	750	595	545	805	500
3	2,450	695	695	595	595	595	645	1,000	595	695	645	500
4	2,770	865	545	865	500	545	595	1,970	750	595	545	595
5	2,450	695	805	1,220	645	595	695	1,450	865	500	595	460
6	1,450	595	695	2,450	750	695	595	645	3,560	545	500	545
7	1,140	645	545	1,790	645	595	500	545	2,660	420	2,350	645
8	865	805	645	5,640	750	645	595	645	1,880	595	1,880	545
9	695	1,000	750	4,560	645	500	645	750	805	695	4,690	645
10	805	1,370	595	3,440	500	595	750	595	545	595	2,880	595
11	645	1,070	695	1,370	595	645	595	645	645	865	1,790	500
12	750	1,880	595	2,260	695	595	645	545	695	750	930	460
13	645	1,000	750	3,440	595	500	750	595	595	645	695	545
14	500	805	865	3,100	645	545	2,350	1,000	805	545	595	595
15	645	1,070	695	2,450	750	595	750	595	695	460	695	695
16	545	865	595	2,060	645	500	1,070	695	545	595	545	930
17	645	695	695	1,450	545	420	750	595	645	695	645	645
18	750	545	645	1,290	695	500	595	545	500	2,260	500	1,220
19	645	750	645	1,070	595	595	695	695	595	1,450	645	865
20	595	930	750	750	750	3,800	805	645	750	750	545	1,070
21	695	1,450	595	1,000	645	1,700	645	545	645	865	595	1,880
22	750	1,000	750	695	805	1,370	750	595	750	2,350	695	5,220
23	645	805	645	865	645	645	595	695	595	2,990	595	16,200
24	695	645	545	695	1,000	500	695	595	595	2,160	500	8,070
25	595	545	645	595	805	545	1,070	695	695	1,220	645	4,690
26	695	805	750	750	695	595	750	645	595	930	645	1,450
27	865	695	1,070	645	545	695	545	695	695	750	545	750
28	695	545	2,060	750	595	595	645	595	645	500	500	865
29	645	-----	1,790	930	695	500	500	750	545	695	595	645
30	750	-----	1,450	750	595	695	595	645	645	545	695	750
31	595	-----	865	-----	750	-----	500	805	-----	645	-----	1,000
1912												
1	1,070	1,540	865	1,290	2,060	645	1,070	695	695	930	750	645
2	2,060	930	645	930	1,700	750	865	1,070	595	750	645	750
3	1,540	645	930	750	1,000	1,070	1,140	805	750	595	595	595
4	930	545	1,290	645	1,220	1,290	865	930	695	750	695	750
5	695	645	930	750	1,140	1,000	1,220	1,140	805	1,790	805	865
6	595	500	3,440	595	1,450	1,450	3,920	865	1,000	1,220	695	695
7	645	595	3,100	750	1,220	2,350	1,880	695	805	750	1,450	930
8	805	695	2,060	645	2,350	2,880	1,140	645	750	865	1,370	750
9	1,000	545	1,220	805	1,700	1,790	930	2,350	545	695	1,000	645
10	1,220	645	1,070	695	1,070	865	1,540	4,300	695	865	750	805
11	865	645	750	595	750	1,070	1,790	3,440	1,000	750	865	695
12	695	545	1,000	695	1,070	865	2,770	1,700	1,220	645	695	595
13	545	695	865	805	865	695	1,070	805	930	930	805	500
14	930	595	750	750	645	4,690	1,450	695	1,070	1,220	645	645
15	750	2,880	38,600	930	750	21,500	2,060	595	2,660	805	750	545
16	595	6,200	30,100	750	1,070	8,370	1,220	695	2,450	1,070	595	645
17	500	5,090	13,000	3,440	865	6,060	1,970	805	1,700	750	695	750
18	645	3,210	2,350	3,100	645	1,290	3,440	1,000	865	645	595	595
19	750	2,260	1,620	2,450	930	805	2,350	805	1,070	865	750	805
20	645	930	930	1,450	750	930	6,200	1,000	805	5,090	595	645
21	595	750	750	1,450	930	750	4,300	865	645	2,770	500	545
22	695	4,300	645	1,140	750	595	2,260	750	930	1,370	645	695
23	595	2,660	750	5,640	595	750	1,450	930	1,540	930	805	595
24	750	1,290	1,450	6,620	695	595	1,070	695	3,680	645	645	1,070
25	645	2,450	1,700	1,790	595	6,760	930	595	2,260	695	545	1,290
26	545	5,920	805	930	645	10,100	750	750	1,620	595	695	750
27	645	5,360	645	695	545	4,180	595	1,070	2,660	695	595	645
28	595	4,300	805	1,370	1,370	2,060	930	805	1,220	595	750	545
29	750	1,620	4,430	2,060	1,700	1,140	695	695	1,000	645	645	1,070
30	1,620	-----	6,480	1,620	2,560	805	595	595	750	695	545	865
31	3,920	-----	7,200	-----	1,290	-----	750	500	-----	595	-----	695

NOTE.—Daily discharge computed from the rating curve used since 1906. The curve is well defined below 9,800 second-feet.

Monthly discharge of Broad River (of Georgia) near Carlton
 [Drainage area, 762 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January.....	4,960	750	1,220	1.60	1.84	A.
February.....	4,050	805	1,370	1.80	1.87	A.
March.....	4,430	750	1,280	1.68	1.94	A.
April.....	6,200	750	1,220	1.60	1.78	A.
May.....	1,140	645	847	1.11	1.28	A.
June.....	3,210	595	822	1.08	1.20	A.
July.....	1,620	455	811	1.06	1.22	A.
August.....	1,290	375	649	.852	.98	A.
September.....	3,440	305	725	.951	1.06	A.
October.....	645	375	419	.550	.63	A.
November.....	4,180	415	1,040	1.36	1.52	A.
December.....	5,640	645	1,710	2.24	2.58	A.
The year.....	6,200	305	1,010	1.32	17.90	
1908						
January.....	8,370	750	1,830	2.40	2.77	A.
February.....	8,990	930	2,730	3.58	3.86	A.
March.....	15,400	865	1,980	2.60	3.00	A.
April.....	8,370	930	2,090	2.74	3.06	A.
May.....	1,620	805	1,020	1.34	1.54	A.
June.....	3,210	750	1,110	1.46	1.63	A.
July.....	5,780	645	1,260	1.65	1.90	A.
August.....	47,200	595	4,490	5.89	6.79	B.
September.....	4,430	695	1,050	1.38	1.54	A.
October.....	5,090	645	1,180	1.55	1.79	A.
November.....	2,350	750	1,010	1.33	1.48	A.
December.....	8,220	750	1,790	2.35	2.71	A.
The year.....	47,200	595	1,800	2.36	32.07	
1909						
January.....	6,760	835	1,670	2.19	2.52	A.
February.....	12,700	835	3,130	4.11	4.28	A.
March.....	9,760	1,070	3,120	4.09	4.72	A.
April.....	1,880	965	1,300	1.71	1.91	A.
May.....	8,990	965	2,430	3.19	3.68	A.
June.....	14,200	965	2,290	3.00	3.35	A.
July.....	4,690	835	1,440	1.89	2.18	A.
August.....	7,340	670	1,470	1.93	2.22	A.
September.....	7,340	620	1,190	1.56	1.74	A.
October.....	5,090	620	1,050	1.38	1.59	A.
November.....	778	722	735	.965	1.08	B.
December.....	2,990	620	1,250	1.64	1.89	A.
The year.....	14,200	620	1,760	2.30	31.16	

Monthly discharge of Broad River (of Georgia) near Carlton—continued
 [Drainage area, 762 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1910a					
January.....	2,990	545	1,020	1.34	1.54
February.....	4,430	545	1,330	1.75	1.82
March.....	6,060	500	1,230	1.61	1.86
April.....	1,880	500	705	.925	1.03
May.....	2,560	500	1,130	1.48	1.71
June.....	5,500	500	1,290	1.69	1.89
July.....	3,440	500	1,430	1.88	2.17
August.....	14,700	500	1,210	1.59	1.83
September.....	17,200	500	1,670	2.19	2.44
October.....	1,370	500	624	.819	.94
November.....	750	500	573	.752	.84
December.....	2,660	500	820	1.08	1.24
The year.....	17,200	500	1,080	1.42	19.31
1911					
January.....	2,770	500	940	1.23	1.42
February.....	1,880	545	861	1.13	1.18
March.....	2,060	545	797	1.05	1.21
April.....	5,640	595	1,630	2.14	2.39
May.....	1,000	500	671	.881	1.02
June.....	3,800	420	753	.988	1.10
July.....	2,350	500	731	.959	1.11
August.....	1,970	545	736	.966	1.12
September.....	3,560	500	861	1.13	1.26
October.....	2,990	420	919	1.21	1.40
November.....	4,690	500	973	1.28	1.43
December.....	16,200	460	1,770	2.32	2.68
The year.....	16,200	420	970	1.27	17.32
1912					
January.....	3,920	500	930	1.22	1.41
February.....	6,200	500	2,030	2.66	2.87
March.....	38,600	645	4,230	5.55	6.40
April.....	6,620	595	1,540	2.02	2.25
May.....	2,560	545	1,130	1.48	1.71
June.....	21,500	595	2,940	3.86	4.31
July.....	6,200	595	1,720	2.26	2.61
August.....	4,300	500	1,070	1.40	1.61
September.....	3,680	545	1,250	1.64	1.83
October.....	5,090	595	1,040	1.36	1.57
November.....	1,450	500	737	.967	1.08
December.....	1,290	500	730	.958	1.10
The year.....	38,600	500	1,610	2.11	28.75

a—The uniformity of the minima and also the high values of certain of the maxima render the accuracy of the records at this station somewhat questionable. The values in the above tables should be used with caution.

OGEECHEE RIVER DRAINAGE BASIN

Ogeechee River drains a small basin in southeastern Georgia lying between the Savannah and Altamaha basins. It rises in Greene County and flows in a southeasterly direction and empties into the Atlantic Ocean. Its main tributary is Cannoochee River, which rises in Emanuel County, and flows southeastward, and joins it about 20 miles from the Atlantic Ocean.

The streams in this basin flow through a country that is mostly low. The current is generally good, but the fall available for power is probably small. The bank on one side or the other of the stream is generally low and swampy.

CANNOOCHEE RIVER NEAR GROVELAND

Location.—At Moody's Bridge, 3 miles south of Groveland, Bryan County, Georgia. It is below the mouth of Lotts Creek, which is a tributary of Cannoochee River.

Drainage Area.—960 square miles.

Records Available.—June 12, 1903 to December 31, 1907.

Gage.—Vertical staff gage, fastened to the bridge from which discharge measurements are made.

Channel and Control.—Conditions at this station are poor for obtaining accurate ratings at low stages, owing to the shifting channel. A good rating curve has, however, been developed for medium stages up to the point of overflow.

The following discharge measurement was made: April 17, 1907, gage height, 3.37 feet; discharge, 340 second-feet.

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Cannoochee River near Groveland

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1-----	3.3	3.0	4.5	2.3	4.0	5.2	10.2	6.9	2.9	13.5	3.7	5.0
2-----	3.5	3.3	4.5	2.5	3.6	5.8	10.2	7.2	2.8	16.1	3.7	4.9
3-----	3.5	4.5	4.8	2.8	3.5	5.6	10.9	7.3	2.7	15.8	3.7	4.8
4-----	3.5	4.8	5.5	3.0	3.4	5.4	15.0	7.4	2.5	15.2	3.7	4.8
5-----	3.5	5.0	5.9	2.9	4.1	5.1	16.6	7.6	2.5	14.2	3.8	4.7
6-----	3.5	5.0	5.4	2.8	4.1	4.9	15.9	7.9	2.5	11.5	4.0	4.6
7-----	3.3	5.1	4.9	2.0	4.2	3.8	15.7	7.2	2.5	9.5	4.0	4.5
8-----	3.0	5.5	4.7	3.0	4.3	3.6	14.5	6.9	2.5	8.5	3.8	4.2
9-----	2.9	6.3	3.8	4.0	4.5	3.3	13.2	6.5	2.4	8.0	3.6	3.9
10-----	2.7	7.0	3.0	4.4	4.7	3.0	10.4	6.2	2.3	7.7	3.5	4.4
11-----	2.6	7.0	3.1	4.2	5.0	2.8	7.7	5.7	2.3	8.6	3.4	5.5
12-----	2.5	6.0	3.1	3.9	5.0	2.5	6.1	5.2	2.4	9.1	3.6	6.0
13-----	2.5	5.5	3.0	3.7	5.1	2.3	5.9	5.1	2.6	9.8	3.6	6.5
14-----	2.4	5.0	3.0	3.9	5.1	2.5	5.6	5.8	3.0	9.8	3.8	7.0
15-----	2.4	4.6	3.2	3.6	5.6	3.2	6.7	6.6	3.3	9.0	3.9	8.9
16-----	2.3	4.2	3.0	3.5	6.1	3.1	7.3	6.6	4.5	6.8	4.1	10.1
17-----	2.3	4.0	3.0	3.4	6.0	3.05	8.4	7.5	6.4	6.3	4.4	10.8
18-----	2.3	3.8	3.0	3.4	5.9	3.0	9.0	7.6	6.2	5.7	4.2	10.8
19-----	2.3	3.5	2.9	3.3	5.3	3.0	7.8	7.8	6.0	5.3	4.0	10.7
20-----	2.3	3.5	2.9	4.5	4.8	3.0	7.0	7.7	5.2	5.0	4.4	10.5
21-----	2.2	4.3	2.8	4.6	4.0	2.7	6.5	7.6	4.5	4.7	4.2	9.8
22-----	2.2	4.4	2.8	4.8	3.3	2.0	6.0	6.3	4.0	4.6	4.0	8.6
23-----	2.2	4.5	2.8	5.1	2.9	1.7	5.5	5.9	4.2	4.5	4.0	8.9
24-----	2.2	4.5	2.8	5.5	2.6	1.8	5.0	5.6	4.4	4.5	4.0	9.2
25-----	2.3	4.5	2.8	6.3	2.5	1.9	4.8	5.4	4.6	4.4	4.0	9.7
26-----	2.3	4.4	2.7	6.3	2.4	1.8	4.6	4.9	4.8	4.2	4.0	9.9
27-----	2.3	4.4	2.6	6.3	2.5	1.8	4.5	4.6	5.2	4.1	4.2	10.2
28-----	2.8	4.5	2.4	5.2	2.7	2.0	4.9	4.0	5.7	4.0	4.5	10.3
29-----	2.8	-----	2.4	4.8	2.8	4.3	5.3	3.5	8.2	4.0	4.6	10.4
30-----	2.9	-----	2.3	4.3	3.0	8.8	6.5	3.2	11.5	3.9	4.8	9.9
31-----	2.9	-----	2.3	-----	3.2	-----	6.8	3.0	-----	3.8	-----	9.4

Rating table for Cannoochee River near Groveland for 1907

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.70	92	3.20	283	4.70	586	7.40	1,373
1.80	101	3.30	300	4.80	610	7.60	1,438
1.90	110	3.40	318	4.90	635	7.80	1,504
2.00	120	3.50	336	5.00	660	8.00	1,570
2.10	130	3.60	355	5.20	714	9.00	1,915
2.20	141	3.70	374	5.40	769	10.00	2,275
2.30	153	3.80	394	5.60	825	11.00	2,650
2.40	165	3.90	414	5.80	882	12.00	3,025
2.50	178	4.00	434	6.00	940	13.00	3,400
2.60	191	4.10	454	6.20	1,000	14.00	3,775
2.70	205	4.20	475	6.40	1,060	15.00	4,150
2.80	219	4.30	496	6.60	1,121	16.00	4,525
2.90	234	4.40	518	6.80	1,183	17.00	4,900
3.00	250	4.50	540	7.00	1,245		
3.10	266	4.60	563	7.20	1,309		

NOTE.—The above table is based on four discharge measurements made during 1906-7 and measurements of earlier years. It is well defined above gage height 5 feet. Below 5 feet it is not well defined.

Monthly discharge of Cannoochee River near Groveland
 [Drainage area, 960 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January-----	336	141	211	0.220	0.25	C.
February-----	1,240	250	613	.639	.67	B.
March-----	911	153	345	.359	.41	B.
April-----	1,030	120	466	.485	.54	B.
May-----	970	165	477	.497	.57	B.
June-----	1,840	92	379	.395	.44	B.
July-----	4,750	540	1,830	1.91	2.20	A.
August-----	1,540	250	1,020	1.06	1.22	B.
September-----	2,840	153	546	.569	.63	B.
October-----	4,560	394	1,620	1.69	1.95	A.
November-----	610	318	430	.448	.50	B.
December-----	2,580	414	1,540	1.60	1.84	A.
The year-----	4,750	92	790	.823	11.22	

ALTAMAHA RIVER BASIN

Altamaha River rises in the north-central part of Georgia, along the southern slope of the Chattahoochee Ridge, flows southeastward, and discharges into the Atlantic Ocean near Darien. The basin is about 250 miles long and has an area of 14,100 square miles.

The two main tributaries forming the Altamaha are Oconee and Ocmulgee rivers, which unite about 100 miles above Darien. Oconee River rises in Hall County and flows in a southeasterly direction to the Altamaha. Apalachee River enters the Oconee near the southeast corner of Morgan County. Little River enters the main stream about 15 miles above Milledgeville, Ga. Ocmulgee River, the westernmost of the main tributaries, is formed by streams that rise in Fulton, Dekalb, and Gwinett counties; Yellow, South, and Alcovy rivers are its upper tributaries. Towaliga River enters the Ocmulgee at about the southwest corner of Jasper County, which is above Macon. Ochoopee River is a tributary of the Altamaha about 30 miles below the junction of Oconee and Ocmulgee rivers.

The portion above the fall line, which passes near Milledgeville and Macon, lies entirely in the Piedmont Plateau and contains great masses of granite, including Stone Mountain in Dekalb County, 16 miles east of Atlanta, which rises about 700 feet above the surrounding country and covers several square miles. The larger part of the basin lies in the Coastal Plain region. Very little of this basin is too steep for agriculture, and only a rather small amount of original forests remains. Probably the larger part of the lands now wooded consists of land once cultivated but now growing second-growth timber in the Piedmont region and cut-over timber lands in the southern part.

WATER POWERS OF GEORGIA

The mean annual rainfall of the basin is about 50 inches. The basin contains many good reservoir sites for partial storage in connection with power plants, and larger sites are no doubt available, especially on Oconee River. Above the fall line all the streams have considerable slope and afford many excellent sites for water-power development.

OCMULGEE RIVER NEAR JACKSON

Location.—At Pittmans Ferry, 1½ miles below dam and power plant of Central Georgia Power Co., and 8 miles southeast of Jackson, half a mile above mouth of Yellow Water Creek, and a short distance below Heards Creek.

Drainage Area.—1,400 square miles.

Records Available.—May 18, 1906 to September 30, 1915.

Gage.—Vertical staff in three sections on right bank at upstream side of ferry landing: read twice daily to half-tenths.

Discharge Measurements.—Made at ferry, either from ferry or from small boat held in place by ferry cable.

Channel and Control.—Bed of river sandy; shifts considerably. Shifting has little if any effect upon discharge relation, as control is a rocky ledge about 400 feet below gage. Point of zero flow is at gage height about 2.75 feet.

Regulation.—Flow at low stages since 1911 greatly affected by operation of power plant of Central Georgia Power Co.

Discharge measurements of Ocmulgee River near Jackson

Date.	Gage height.	Dis-charge.	Date.	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1909	Feet.	Sec.-ft.
March 14	4.90	1,680	October 8	4.23	550
" 15	5.17	2,180	" 8	4.24	500
August 24	4.32	709	1910		
December 5	4.52	1,020	August 18	4.22	606
1908			" 19	4.22	589
February 6	5.67	3,210	November 20	2.80	20
June 23	5.05	1,980	" 21	3.81	256
1909			December 9	4.85	1,400
March 29	5.61	3,360	1911		
" 29	5.61	3,390	October 3	4.09	552
May 30	5.44	2,960	1912		
" 30	5.44	2,970	December 11	4.76	1,400
April 23	7.68	7,380	1913		
" 24	8.33	8,740	June 5	5.09	1,980
July 13	4.77	1,410			
19	4.58	1,070			

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Ocmulgee River near Jackson

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	6.6	5.5	5.9	4.6	4.9	5.0	4.55	4.35	3.95	4.45	4.05	4.9
2	6.2	7.1	6.9	4.6	4.8	4.9	4.9	4.35	3.9	4.4	4.05	4.8
3	5.4	6.0	8.2	4.6	4.8	4.7	6.0	4.6	4.6	4.25	4.15	4.7
4	5.2	5.5	6.8	4.6	5.2	4.6	4.75	4.35	5.4	4.2	4.2	4.6
5	5.2	8.4	5.8	4.6	5.1	4.5	4.6	4.2	5.0	4.2	4.2	4.5
6	5.0	8.5	5.4	4.8	4.9	4.45	4.5	4.25	4.45	4.1	4.15	4.5
7	4.9	6.3	5.3	5.1	4.8	4.4	4.5	4.9	4.3	4.1	4.1	4.5
8	4.9	5.8	5.2	4.9	4.9	4.4	4.4	4.55	4.3	4.2	4.1	4.45
9	4.8	5.5	5.1	5.0	4.85	4.4	4.3	4.4	4.65	4.3	4.05	4.6
10	4.8	5.3	5.0	4.8	4.8	4.35	4.3	4.35	4.2	4.4	4.2	5.4
11	4.8	5.2	5.0	4.7	4.8	4.35	4.5	4.2	4.2	4.35	4.75	5.2
12	4.75	5.1	4.9	4.7	4.8	4.35	4.45	5.4	4.2	4.15	4.6	4.95
13	4.75	5.0	4.9	4.6	4.7	4.5	4.5	4.9	4.2	4.1	4.45	4.85
14	4.75	5.0	4.9	4.6	4.65	6.0	4.65	4.35	4.2	4.1	4.35	6.1
15	4.7	4.9	5.1	4.6	4.7	5.6	4.4	4.5	4.1	4.1	4.2	6.0
16	4.7	4.85	5.1	4.6	5.0	5.1	4.35	4.85	4.1	4.1	4.2	5.4
17	4.65	4.8	5.0	5.0	4.9	4.7	4.3	4.95	4.05	4.05	4.2	5.2
18	4.65	4.8	4.9	5.1	4.7	4.5	4.45	4.75	4.05	4.05	4.4	5.0
19	4.65	4.8	4.85	5.0	4.6	4.4	4.4	4.45	4.05	4.05	4.6	4.9
20	4.65	4.9	4.85	5.1	4.55	4.4	4.45	4.4	4.0	4.0	4.6	4.8
21	4.65	4.9	4.8	4.9	4.5	4.4	4.3	4.4	4.05	4.0	5.0	4.75
22	4.65	4.9	4.8	4.8	4.5	4.4	4.2	4.5	4.5	4.05	7.5	4.8
23	4.65	4.8	4.8	6.3	4.5	4.4	4.2	4.3	5.8	4.05	6.2	8.1
24	4.65	4.8	4.7	6.4	4.5	4.4	4.15	4.3	4.9	4.05	6.0	8.0
25	4.6	4.9	4.7	5.6	4.5	4.9	4.1	4.3	4.55	4.05	5.6	6.3
26	4.6	5.1	4.7	5.3	4.5	4.5	4.25	4.3	4.35	4.05	5.2	5.5
27	4.6	5.4	4.7	5.2	4.5	4.6	4.3	4.2	4.25	4.05	4.95	5.4
28	4.6	5.8	4.7	5.0	4.5	6.4	4.9	4.1	4.9	4.1	4.7	5.2
29	4.6	---	4.7	5.2	4.5	6.2	4.6	4.1	4.95	4.05	5.0	5.2
30	4.6	---	4.7	5.1	4.5	4.85	4.8	4.05	4.7	4.05	5.0	6.1
31	4.8	---	4.6	---	4.5	---	4.55	4.05	---	4.05	---	6.6
1908												
1	6.0	11.6	5.3	5.3	5.6	5.2	4.4	4.2	4.55	4.3	4.7	4.4
2	5.6	10.2	5.2	5.2	5.4	4.95	4.65	4.2	4.5	4.25	4.55	4.6
3	5.2	7.0	5.2	5.2	5.3	4.7	4.85	4.2	4.4	4.2	4.5	4.6
4	5.2	6.1	5.2	5.0	5.1	4.7	4.9	4.2	4.4	4.1	4.9	4.5
5	5.8	5.6	5.2	4.95	5.1	4.75	5.9	4.8	4.6	4.15	5.0	4.45
6	5.7	5.6	5.1	5.1	5.1	4.95	6.2	4.85	6.1	4.2	4.8	4.65
7	6.0	5.4	5.1	5.2	5.4	4.75	5.8	4.55	5.3	4.2	4.6	4.8
8	6.2	5.4	5.1	5.1	5.3	4.7	5.5	4.5	5.0	4.15	4.55	5.2
9	5.8	5.2	5.0	5.0	5.1	4.6	5.6	4.6	4.8	4.3	4.5	5.0
10	5.4	6.4	4.95	4.95	5.0	4.7	5.4	4.9	4.65	4.8	4.4	4.75
11	6.4	9.0	5.0	4.95	4.9	5.0	5.1	4.6	4.5	4.7	4.4	4.6
12	7.8	8.3	5.0	4.85	4.9	4.7	4.8	4.5	4.5	4.5	4.4	4.75
13	6.9	6.8	5.0	4.8	4.85	4.6	4.8	4.4	4.3	4.4	4.4	4.7
14	6.2	6.2	5.0	4.9	4.8	4.7	4.95	4.3	4.3	4.35	4.5	4.6
15	5.6	9.8	4.95	6.0	4.8	6.0	4.6	4.2	4.3	4.3	4.9	4.55
16	5.4	10.2	4.9	5.6	4.75	5.8	4.55	4.2	4.3	4.3	4.8	4.5
17	5.3	7.8	4.9	5.9	4.75	4.95	4.5	4.2	4.3	4.25	4.7	4.5
18	5.2	6.4	4.9	5.4	5.2	5.0	4.5	4.45	4.3	4.2	4.55	4.5
19	5.1	6.7	4.9	5.4	5.2	5.0	4.4	4.55	4.3	4.2	4.5	4.5
20	5.0	6.4	4.9	5.4	5.0	4.75	4.4	4.5	4.3	4.2	4.5	4.45
21	5.0	6.0	5.2	5.2	4.9	5.6	4.4	4.5	4.3	4.2	4.45	4.5
22	4.95	5.6	5.2	5.1	4.8	6.8	4.3	4.65	4.3	4.2	4.4	8.6
23	4.9	5.5	6.0	5.4	4.7	5.2	4.3	5.2	4.3	4.2	4.4	9.2
24	4.85	5.4	9.4	5.3	4.7	4.9	4.3	5.5	4.3	4.25	4.4	7.0
25	4.8	5.4	9.8	6.3	4.8	4.85	4.3	8.9	4.25	4.2	4.4	5.8
26	4.8	5.6	8.1	9.6	5.2	4.7	4.3	9.9	4.2	4.3	4.4	5.4
27	5.1	5.6	6.6	11.1	5.2	4.6	4.3	8.6	4.2	4.3	4.4	5.2
28	4.9	5.4	6.0	8.4	5.4	4.5	4.25	6.7	4.25	4.5	5.4	4.95
29	4.8	5.3	5.6	6.7	5.0	4.5	4.45	5.4	4.3	5.4	4.4	4.8
30	4.8	---	5.5	6.0	7.2	4.45	4.3	4.9	4.3	5.2	4.4	4.8
31	4.95	---	5.4	---	5.6	---	4.3	4.65	---	4.85	---	5.65

WATER POWERS OF GEORGIA

Rating table for Ocmulgee River near Jackson for 1907 and 1908

Gage height.		Dis-charge.		Gage height.		Dis-charge.		Gage height.		Dis-charge.	
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
3.90	300	5.20	2,220	6.50	5,000	8.60	10,920				
4.00	380	5.30	2,420	6.60	5,250	8.80	11,540				
4.10	470	5.40	2,620	6.70	5,510	9.00	12,170				
4.20	580	5.50	2,820	6.80	5,770	9.20	12,830				
4.30	700	5.60	3,030	6.90	6,030	9.40	13,490				
4.40	840	5.70	3,240	7.00	6,300	9.60	14,150				
4.50	1,000	5.80	3,450	7.20	6,840	9.80	14,820				
4.60	1,160	5.90	3,670	7.40	7,380	10.00	15,500				
4.70	1,320	6.00	3,890	7.60	7,940	11.00	18,900				
4.80	1,490	6.10	4,110	7.80	8,510	12.00	22,300				
4.90	1,660	6.20	4,330	8.00	9,100						
5.00	1,840	6.30	4,550	8.20	9,700						
5.10	2,030	6.40	4,770	8.40	10,300						

NOTE.—The above table is based on 10 discharge measurements made during 1906-8, and is well defined between gage heights 4.3 feet and 6 feet. Above gage height 8 feet the rating curve is only approximate. Above gage height 9.7 feet the rating curve is a tangent, the difference being 340 per tenth.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Ocmulgee River near Jackson

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	2,740	1,040	2,340	2,240	4,590	3,050	1,120	1,940	665	665	810	810
2	1,940	1,040	2,640	2,040	5,510	3,260	1,200	2,640	665	665	1,200	810
3	2,040	1,120	2,440	2,040	3,870	5,720	1,120	7,360	525	665	1,290	810
4	1,640	1,120	2,140	1,840	2,640	4,900	960	9,820	525	665	960	810
5	1,560	1,040	1,840	1,740	2,440	3,870	885	8,180	525	525	810	810
6	2,240	3,260	2,040	1,840	2,040	2,840	4,280	4,690	525	525	810	810
7	2,040	2,440	2,540	2,040	1,840	2,240	3,150	3,050	525	525	810	1,040
8	1,640	1,840	2,540	2,440	1,740	1,840	2,840	3,150	665	525	738	1,640
9	1,640	1,640	2,340	2,340	1,640	1,560	2,640	3,660	595	525	885	1,460
10	1,460	11,500	14,300	2,040	3,150	1,460	2,640	2,640	595	525	810	1,200
11	1,460	10,000	10,800	1,840	2,640	1,290	2,140	2,040	595	525	810	960
12	1,290	5,100	17,000	1,840	1,940	1,290	1,740	4,480	665	525	810	960
13	1,290	5,920	19,000	1,840	1,640	1,290	1,460	3,260	525	525	738	1,940
14	1,460	4,480	17,400	1,840	1,460	1,380	1,640	2,140	525	525	738	2,340
15	1,460	7,970	13,900	1,840	1,460	1,460	1,560	2,640	525	4,380	738	1,840
16	1,560	10,600	7,360	1,640	1,460	1,940	1,380	3,360	2,540	4,280	738	1,460
17	2,640	6,940	5,100	1,640	1,640	2,740	1,120	2,040	1,640	3,870	810	1,290
18	2,640	4,280	3,870	1,560	1,460	2,640	1,290	1,460	2,840	3,050	885	1,120
19	2,040	4,690	3,460	1,460	1,380	2,040	1,040	1,120	3,660	1,840	960	1,120
20	1,740	4,480	5,720	1,460	1,940	1,840	960	1,040	1,640	1,120	810	1,290
21	1,640	3,460	9,610	1,460	2,440	1,840	810	960	1,040	960	810	1,290
22	1,460	3,770	6,540	1,640	2,240	2,040	810	885	1,290	2,340	810	1,120
23	1,460	7,560	4,280	6,330	1,840	2,840	1,290	810	1,120	1,640	1,460	1,040
24	1,380	5,920	3,460	8,380	1,640	2,040	1,120	810	1,200	1,380	2,040	1,040
25	1,320	5,100	4,280	4,280	1,460	1,640	1,120	738	2,540	1,120	1,560	1,640
26	1,290	3,870	4,480	3,460	1,640	1,840	960	738	1,290	960	1,200	2,440
27	1,290	3,050	3,560	2,840	1,840	1,740	885	738	960	960	960	2,040
28	1,120	2,640	3,260	3,050	1,840	1,560	1,290	665	810	810	960	1,560
29	1,120	---	3,050	2,740	2,040	1,380	1,290	665	738	810	810	1,290
30	1,120	---	2,640	2,240	1,840	1,200	1,290	810	665	810	810	1,200
31	1,120	---	2,540	---	3,870	---	2,140	665	---	810	---	1,040
1910												
1	1,080	2,230	13,300	1,240	1,080	790	5,300	790	1,820	670	565	670
2	1,080	1,820	10,600	1,240	1,080	790	5,200	790	1,620	565	565	670
3	1,080	1,820	5,820	1,160	1,000	790	5,920	670	1,720	565	470	670
4	925	2,020	4,280	1,160	925	730	4,900	670	3,360	565	518	565
5	925	1,820	3,360	1,080	925	790	4,590	1,000	2,230	565	565	670
6	925	1,420	2,740	1,160	925	1,420	3,560	1,620	1,330	565	565	1,240
7	1,420	1,420	2,440	1,080	925	1,330	3,460	1,620	858	618	565	1,160
8	1,920	1,330	2,230	925	1,080	1,000	4,590	1,520	670	1,720	565	1,120
9	1,520	1,330	2,020	1,080	1,330	858	4,690	1,080	670	2,130	670	1,520
10	1,240	1,330	1,820	925	1,420	1,240	4,280	925	1,000	1,620	618	1,520
11	1,160	1,620	2,230	1,000	1,160	1,520	3,260	790	858	1,160	618	1,420
12	1,080	2,130	3,460	1,000	1,080	3,660	2,640	790	670	925	618	390
13	1,080	2,020	2,950	1,820	2,330	2,840	2,020	730	670	790	565	1,000
14	1,000	1,920	2,330	1,620	1,330	2,440	1,820	670	618	670	618	1,520
15	1,000	1,520	2,130	1,240	1,080	4,480	2,230	670	565	618	565	470
16	925	1,420	1,920	1,420	925	2,020	2,840	670	518	565	470	565
17	925	1,820	1,720	7,970	1,080	1,520	3,050	618	518	565	390	290
18	925	6,120	1,620	10,400	1,240	1,160	2,020	565	470	565	355	470
19	925	5,200	1,620	4,280	1,240	1,080	1,330	670	470	565	170	618
20	1,080	3,360	1,520	2,640	1,520	925	1,160	1,240	565	470	18	470
21	1,620	3,460	1,520	2,230	2,020	925	1,080	670	670	518	260	618
22	2,440	3,870	1,520	1,820	1,920	3,360	1,080	670	565	565	260	670
23	1,820	3,260	1,420	1,620	2,020	1,520	925	565	565	430	290	670
24	1,820	9,820	1,420	1,420	3,560	1,160	1,920	565	470	518	618	670
25	2,230	5,720	1,420	1,420	4,080	1,080	1,620	925	430	518	470	670
26	1,820	3,870	1,420	1,420	3,460	1,000	1,420	670	470	518	334	670
27	1,620	2,950	1,330	1,420	2,230	790	1,000	565	470	518	790	670
28	3,660	13,700	1,240	1,420	1,420	790	925	565	390	565	670	670
29	4,480	---	1,240	1,240	1,240	790	925	518	1,080	518	565	670
30	3,260	---	1,240	1,240	1,000	4,480	925	565	790	470	690	670
31	2,640	---	1,240	---	925	---	---	1,000	---	565	---	730

NOTE.— These discharges were obtained from a rating curve which is fairly well defined.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Ocmulgee River near Jackson—continued

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	730	925	1,240	518	1,080	518	430	565	334	355	1,520	817
2	730	1,080	1,160	390	1,080	470	376	1,820	355	390	1,520	766
3	1,160	1,160	1,080	390	1,000	470	390	5,510	355	390	1,160	730
4	1,080	1,000	1,240	730	925	430	355	6,540	376	390	1,080	730
5	925	1,000	1,240	925	858	390	390	3,870	355	376	790	790
6	390	1,240	1,240	925	730	390	390	3,050	376	355	925	730
7	178	1,240	1,240	790	730	390	355	2,020	430	390	1,820	730
8	178	1,420	1,240	858	670	390	430	1,160	406	376	2,440	670
9	190	1,080	1,240	2,740	618	390	355	858	376	406	5,510	670
10	146	1,240	1,240	4,280	670	355	790	898	355	454	6,940	489
11	140	1,330	1,240	4,280	730	334	1,080	766	390	430	4,690	618
12	140	1,330	1,240	5,100	730	355	858	694	355	430	3,260	649
13	105	1,420	1,420	4,480	470	390	925	546	390	406	2,440	618
14	470	1,240	1,420	3,870	1,160	355	1,080	546	390	406	1,920	586
15	470	1,240	1,240	3,050	858	320	1,080	518	406	390	1,420	766
16	470	1,240	1,080	2,540	730	320	2,020	565	355	454	1,240	925
17	470	1,080	1,420	2,330	670	260	3,050	518	308	470	1,080	925
18	518	1,080	1,420	1,920	670	355	2,840	565	390	1,160	1,080	2,020
19	518	1,080	1,240	1,820	565	334	2,020	565	430	2,020	1,080	1,080
20	470	1,080	1,330	1,820	618	390	1,620	565	430	1,620	1,080	1,420
21	925	1,080	1,330	1,620	670	670	1,160	518	430	1,330	925	2,440
22	1,160	1,080	1,330	1,420	730	790	1,080	565	406	2,740	925	5,920
23	1,080	1,420	1,240	1,420	858	730	898	489	376	2,840	925	10,600
24	1,080	1,160	1,240	1,080	1,080	618	817	390	334	2,130	1,000	10,000
25	1,080	1,420	1,240	1,080	1,620	430	858	406	376	1,420	898	8,180
26	1,080	1,420	730	925	1,330	430	898	320	390	1,160	766	4,690
27	1,080	1,420	470	925	1,160	520	858	406	376	1,620	898	4,280
28	1,080	1,420	390	1,000	858	565	766	518	430	7,560	1,080	3,870
29	1,080	-----	376	1,080	858	520	649	489	390	4,280	858	3,050
30	1,080	-----	390	925	670	430	518	406	376	3,260	817	2,640
31	925	-----	565	-----	565	-----	518	390	-----	1,720	-----	2,330
1912												
1	3,050	5,300	3,460	5,510	2,640	2,440	2,740	858	790	1,520	1,520	694
2	3,050	3,870	3,050	4,690	2,440	2,130	2,540	1,080	858	1,330	1,240	1,420
3	2,840	3,050	2,740	3,870	2,230	2,740	3,660	1,080	790	1,080	694	1,420
4	2,840	2,840	2,840	3,260	3,460	3,660	4,280	1,080	790	2,640	1,620	1,520
5	2,640	2,230	3,260	3,050	5,510	3,050	3,460	1,080	1,080	5,100	1,330	1,420
6	2,230	1,920	4,690	2,840	5,300	3,260	3,660	1,160	1,420	4,280	1,330	1,420
7	1,820	1,820	5,510	2,640	4,690	5,920	3,460	1,080	925	3,050	1,240	1,240
8	2,130	1,820	4,690	2,440	7,150	7,560	2,840	1,080	790	2,330	1,620	470
9	3,460	1,620	3,870	2,440	4,690	5,510	2,640	1,420	790	1,620	1,620	1,080
10	8,870	1,820	3,460	2,440	3,460	3,660	3,050	1,820	858	1,720	1,080	1,720
11	3,260	1,820	3,460	2,230	3,050	2,640	2,640	2,330	1,000	1,240	1,620	1,620
12	2,840	1,820	3,050	2,230	2,840	2,230	5,100	2,230	1,080	1,160	1,620	1,420
13	2,540	1,620	3,050	2,230	2,640	1,920	5,920	1,720	858	730	1,240	1,620
14	2,230	1,820	3,050	2,130	2,440	3,870	5,100	1,520	790	1,240	1,420	1,080
15	2,230	3,870	18,800	2,020	2,130	12,100	3,870	1,420	790	1,080	1,330	925
16	2,020	7,560	32,900	3,660	2,130	13,600	2,840	1,240	790	1,520	1,160	1,420
17	1,720	6,540	26,200	8,380	2,330	8,790	3,050	1,520	925	1,820	730	1,420
18	1,620	4,280	13,800	8,790	1,920	5,510	3,460	1,420	1,160	1,820	1,520	1,620
19	1,720	3,870	7,970	6,540	1,820	4,080	3,050	2,840	1,000	1,080	1,620	1,420
20	1,820	3,050	5,510	5,510	1,420	2,740	2,440	2,020	925	1,240	1,420	1,620
21	1,820	4,280	4,690	7,150	1,720	2,440	2,230	1,620	858	2,740	1,420	1,620
22	1,820	5,100	4,280	8,380	1,620	2,020	2,230	1,620	518	2,230	1,420	210
23	1,620	4,690	3,870	12,100	1,520	1,820	1,820	1,620	2,330	1,920	1,520	790
24	1,620	5,510	4,480	8,790	1,520	1,820	1,720	1,420	2,640	1,720	670	1,000
25	1,620	6,740	5,510	5,510	1,420	2,640	1,620	1,240	2,440	1,240	1,620	1,720
26	1,420	6,740	5,100	4,080	1,420	7,150	1,620	1,820	2,230	1,160	1,420	1,920
27	1,240	5,920	4,280	3,260	1,520	7,760	1,420	1,620	2,020	858	1,420	2,540
28	1,240	5,510	3,660	3,050	1,330	5,100	1,330	1,160	1,620	1,330	1,240	3,050
29	1,920	4,690	7,150	3,050	1,720	3,660	1,240	1,080	1,420	1,240	1,620	649
30	5,100	-----	10,000	2,840	3,260	3,050	1,080	925	2,020	1,420	1,620	2,840
31	7,560	-----	7,970	-----	3,050	-----	1,000	925	-----	925	-----	2,230

NOTE.—Daily discharge computed from a rating curve fairly well defined below 10,000 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Ocmulgee River near Jackson—continued

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1913												
1	1,820	3,050	4,280	3,260	1,620	742	1,330	1,420	638			
2	1,820	2,540	3,660	2,740	1,330	1,160	1,620	1,080	1,720			
3	1,820	3,050	3,460	2,330	1,080	1,160	1,620	1,000	1,720			
4	1,330	3,050	2,640	2,330	884	1,620	1,330	1,820	1,080			
5	1,000	3,460	2,440	2,230	1,240	1,720	1,240	1,240	1,080			
6	1,520	3,260	2,230	2,130	1,160	1,920	925	1,240	1,000			
7	1,520	2,640	2,020	2,330	1,160	1,920	1,420	1,080	754			
8	1,520	2,230	1,620	2,230	1,080	2,640	1,420	1,330	1,000			
9	1,420	1,620	1,240	2,020	1,080	3,460	1,620	1,240	1,000			
10	1,240	2,230	2,020	1,620	925	2,840	1,520	1,160	1,000			
11	1,080	2,020	2,640	2,130	638	2,330	1,330	1,420	1,160			
12	790	2,230	3,050	3,050	1,000	2,130	1,240	2,130	1,080			
13	1,520	2,540	5,100	2,440	1,000	1,820	858	2,020	1,000			
14	1,620	2,440	10,400	2,640	1,160	1,620	1,160	1,520	858			
15	1,330	2,020	21,200	2,230	1,080	1,160	1,420	1,620	1,160			
16	1,330	1,520	21,100	2,020	1,000	1,720	1,330	1,240	1,160			
17	1,080	2,230	17,400	1,420	925	1,720	1,420	518	1,240			
18	1,000	1,820	9,000	1,420	925	1,720	1,240	1,080	1,240			
19	754	1,820	5,720	1,240	1,620	1,520	1,330	1,420	1,620			
20	1,330	1,820	4,480	1,080	1,520	1,620	1,240	790	1,160			
21	1,240	2,020	5,100	1,330	1,520	1,420	1,620	1,080	912			
22	1,080	2,230	6,120	1,240	1,420	898	1,240	1,420	1,920			
23	1,080	2,020	5,100	1,160	1,240	1,330	884	1,160	1,080			
24	1,420	2,440	4,080	1,160	1,520	1,520	884	355	1,240			
25	2,540	2,230	3,460	1,520	1,620	1,330	912	1,330	1,240			
26	2,950	2,020	3,050	1,420	1,820	1,620	649	1,080	1,240			
27	4,480	2,230	4,280	1,160	1,720	1,620	470	1,080	1,160			
28	6,740	3,460	5,510	1,520	1,520	1,620	706	1,240	1,080			
29	6,740	-----	4,690	1,620	1,330	1,160	1,620	1,080	1,420			
30	5,100	-----	1,620	1,520	1,330	1,330	1,720	898	1,240			
31	3,660	-----	1,420	-----	1,240	-----	1,400	355	-----			
1913-1914												
1	912	1,000	925	1,240	618	858	1,620	1,080	858	670	430	1,160
2	1,160	790	1,080	1,330	858	1,420	1,420	790	790	390	290	730
3	1,160	1,000	1,080	1,160	1,240	1,920	1,420	670	670	406	489	790
4	1,080	706	1,000	430	1,160	1,420	1,240	858	730	355	858	618
5	804	638	1,080	1,000	1,080	1,620	1,000	1,000	925	518	470	670
6	1,240	649	790	1,520	1,420	1,420	1,330	790	858	470	470	470
7	1,240	670	694	1,520	858	1,080	1,160	730	618	586	390	565
8	1,240	660	898	1,420	470	898	1,240	766	586	670	355	618
9	1,240	556	1,240	1,420	1,920	1,720	1,240	565	670	730	260	670
10	1,160	804	1,240	1,160	2,230	1,080	1,080	790	730	858	565	618
11	1,080	706	1,240	586	1,820	1,080	858	730	858	518	670	858
12	607	706	1,420	1,330	1,820	1,420	694	766	1,080	565	470	618
13	1,160	730	790	1,240	2,020	1,520	1,080	858	618	320	618	858
14	1,000	706	730	1,420	1,820	1,240	1,240	925	489	355	858	1,080
15	706	742	1,240	1,330	1,080	790	2,230	817	618	290	618	1,000
16	694	706	1,420	1,240	1,420	1,620	2,840	618	470	290	649	618
17	649	858	1,330	1,240	2,020	1,420	2,840	790	618	355	858	858
18	638	742	1,620	1,080	1,820	1,420	1,820	618	518	320	618	1,000
19	414	576	1,520	1,620	1,420	1,080	1,620	670	790	260	730	730
20	694	618	1,080	1,620	1,720	1,420	1,820	730	518	390	670	430
21	754	638	925	1,620	1,330	1,080	1,620	618	518	320	790	730
22	718	546	1,000	1,420	817	670	1,420	518	430	290	618	1,420
23	790	362	730	1,720	898	1,240	1,420	518	430	430	730	1,080
24	742	618	546	1,240	1,620	1,080	618	790	390	390	1,000	790
25	660	638	390	618	1,820	925	1,240	925	390	260	925	1,330
26	638	649	518	1,420	1,420	1,080	1,240	518	470	210	1,000	730
27	536	556	586	1,160	1,620	1,080	790	730	430	430	858	430
28	1,000	576	618	1,240	1,240	730	1,000	618	430	355	730	790
29	1,080	438	1,420	1,240	-----	489	1,000	670	390	470	670	1,240
30	1,080	327	1,420	1,240	-----	1,080	1,080	565	430	390	858	858
31	1,000	-----	1,420	790	-----	1,080	-----	565	-----	430	730	-----

NOTE.—Daily discharge determined from a rating curve fairly well defined below 10,000 second-feet.

Daily discharge, in second-feet, of Ocmulgee River near Jackson—Continued.

Day.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-1915												
1-----	1,330	858	8,380	3,870	2,840	3,260	1,080	518	6,740	618	430	1,080
2-----	1,620	1,080	5,510	2,840	4,690	2,640	925	470	5,510	1,080	858	1,080
3-----	1,240	790	4,280	2,230	4,690	2,540	790	766	4,280	925	925	1,000
4-----	390	790	9,200	2,020	4,080	2,540	565	670	2,540	925	858	858
5-----	858	925	14,200	2,020	3,460	3,460	1,240	730	925	4,280	925	565
6-----	1,000	1,080	11,700	2,230	3,460	3,460	1,160	766	565	5,100	670	925
7-----	858	730	7,150	2,540	3,050	4,690	1,160	898	1,330	3,460	649	1,000
8-----	858	565	4,690	3,660	3,460	4,230	1,520	7,760	3,260	1,240	430	858
9-----	925	1,240	3,460	3,050	2,840	3,660	1,620	7,560	2,330	858	730	790
10-----	518	1,080	2,640	2,230	3,050	3,050	1,240	4,690	1,080	925	790	790
11-----	430	1,240	2,230	3,050	2,540	2,540	1,000	3,050	670	1,820	670	925
12-----	790	1,240	2,230	3,660	2,540	2,540	1,520	5,100	565	1,820	858	518
13-----	1,000	1,160	1,720	3,870	2,130	2,230	1,720	8,180	565	1,420	858	1,080
14-----	1,330	1,080	2,640	3,460	1,520	2,230	1,520	7,360	1,720	1,330	670	1,080
15-----	2,440	790	2,540	3,050	3,050	2,330	1,420	4,900	2,230	1,080	390	925
16-----	1,920	9,000	2,440	2,640	3,460	2,230	1,420	3,460	2,020	730	790	858
17-----	565	5,920	2,330	2,330	3,660	2,440	1,420	2,840	1,720	925	858	925
18-----	390	3,260	2,130	6,330	3,460	1,920	858	1,330	1,720	518	1,080	618
19-----	1,420	2,020	1,080	6,330	2,840	1,820	1,620	1,240	565	790	925	430
20-----	1,420	1,520	670	4,690	2,440	1,820	565	1,240	518	858	4,480	925
21-----	1,330	1,160	1,820	4,080	1,820	1,330	565	1,720	1,000	1,420	3,050	925
22-----	1,080	858	1,820	3,050	2,440	2,020	518	649	618	790	2,230	790
23-----	1,080	1,000	1,720	2,440	2,540	2,130	1,000	618	670	670	1,620	1,080
24-----	730	1,420	1,720	2,230	2,740	1,920	565	817	694	649	1,000	1,330
25-----	925	1,420	1,240	6,940	4,480	1,920	565	1,080	858	430	1,000	858
26-----	858	858	1,080	6,330	5,100	1,820	790	858	858	670	1,000	390
27-----	925	1,000	2,230	4,690	3,460	1,420	858	858	470	1,160	1,330	730
28-----	925	1,160	3,260	3,870	2,840	1,330	790	858	730	730	470	1,080
29-----	1,000	730	3,050	3,460	-----	1,720	790	565	790	730	730	1,080
30-----	790	9,200	6,330	2,740	-----	1,330	518	858	670	1,000	925	1,160
31-----	618	-----	5,100	2,440	-----	925	-----	817	-----	518	858	-----

NOTE.—Daily discharge determined from a rating curve fairly well defined below 10,000 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Ocmulgee River near Jackson

[Drainage area, 1,400 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area.)	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	5,250	1,160	1,660	1.19	1.37	A.
February	10,600	1,490	2,990	2.14	2.23	A.
March	9,700	1,160	2,330	1.66	1.91	A.
April	4,770	1,160	1,850	1.32	1.47	A.
May	2,220	1,000	1,340	.957	1.10	A.
June	4,770	770	1,480	1.06	1.18	A.
July	3,890	470	1,040	.743	.86	A.
August	2,620	425	941	.672	.77	A.
September	3,450	300	969	.692	.77	A.
October	920	380	520	.371	.43	B.
November	7,660	425	1,460	1.04	1.16	A.
December	9,400	920	2,640	1.89	2.18	A.
The year	10,600	300	1,600	1.14	15.43	
1908						
January	8,510	1,490	2,850	2.04	2.35	A.
February	20,900	2,220	6,160	4.40	4.74	B.
March	14,800	1,660	3,290	2.35	2.71	A.
April	19,200	1,490	3,740	2.67	2.98	B.
May	6,840	1,320	2,130	1.52	1.75	A.
June	5,770	920	1,810	1.29	1.44	A.
July	4,330	640	1,480	1.06	1.22	A.
August	15,200	580	2,420	1.73	1.99	A.
September	4,110	580	1,010	.721	.80	A.
October	2,620	470	848	.606	.70	A.
November	1,840	840	1,070	.764	.85	A.
December	12,800	840	2,300	1.64	1.89	A.
The year	20,900	470	2,430	1.73	23.42	
1909						
January	2,740	1,120	1,640	1.17	1.35	A.
February	11,500	1,040	4,500	3.21	3.34	A.
March	19,000	1,840	6,020	4.30	4.96	A.
April	8,380	1,460	2,470	1.76	1.96	A.
May	5,510	1,380	2,230	1.59	1.83	A.
June	5,720	1,200	2,230	1.59	1.77	A.
July	4,280	810	1,550	1.11	1.28	A.
August	9,820	665	2,550	1.82	2.10	A.
September	3,660	525	1,090	.779	.87	B.
October	4,380	525	1,260	.900	1.04	A.
November	2,040	738	953	.681	.76	B.
December	2,440	810	1,290	.921	1.06	A.
The year	19,000	525	2,320	1.66	22.32	

WATER POWERS OF GEORGIA

Monthly discharge of Ocmulgee River near Jackson—Continued.

[Drainage area, 1,400 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area.)	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1910						
January	4,480	925	1,600	1.14	1.31	A.
February	13,700	1,330	3,230	2.31	2.40	A.
March	13,300	1,240	2,750	1.96	2.26	A.
April	10,400	925	1,990	1.42	1.58	A.
May	4,080	925	1,530	1.09	1.26	A.
June	4,480	730	1,580	1.13	1.26	A.
July	5,920	858	2,630	1.88	2.17	A.
August	1,620	518	819	.585	.67	A.
September	3,360	390	903	.645	.72	A.
October	2,130	430	715	.511	.59	A.
November	790	18	500	.357	.40	B.
December	1,520	120	755	.539	.62	A.
The year	13,700	18	1,570	1.12	15.24	
1911						
January	1,160	105	682	0.487	0.56	----
February	1,420	925	1,210	.864	.90	----
March	1,420	376	1,110	.793	.91	----
April	5,100	390	1,840	1.32	1.47	----
May	1,620	470	837	.598	.69	----
June	790	260	444	.317	.35	----
July	3,050	355	963	.688	.79	----
August	6,540	320	1,190	.850	.98	----
September	430	334	382	.273	.30	----
October	7,560	355	1,350	.964	1.11	----
November	6,940	766	1,740	1.24	1.38	----
December	10,600	489	2,410	1.72	1.98	----
The year	10,600	260	1,180	.843	11.42	----
1912						
January	7,560	1,240	2,480	----	----	C.
February	7,560	1,620	3,850	----	----	C.
March	32,900	2,740	6,980	----	----	C.
April	12,100	2,020	4,500	----	----	C.
May	7,150	1,330	2,720	----	----	C.
June	13,600	1,820	4,500	----	----	C.
July	5,920	1,000	2,810	----	----	C.
August	2,840	858	1,450	----	----	D.
September	2,640	518	1,220	----	----	D.
October	5,100	730	1,750	----	----	D.
November	1,620	670	1,360	----	----	D.
December	3,050	210	1,460	----	----	D.
The year	32,900	210	2,920	----	----	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Ocmulgee River near Jackson—continued

[Drainage area, 1,400 square miles.]

Month.	Discharge in second-feet.			Accuracy.
	Maximum.	Minimum.	Mean.	
1913				
January.....	6,740	754	2,060	B.
February.....	3,460	1,520	2,370	B.
March.....	21,200	1,240	5,490	C.
April.....	3,260	1,080	1,880	B.
May.....	1,820	638	1,250	B.
June.....	3,460	742	1,680	B.
July.....	1,720	470	1,250	B.
August.....	2,130	355	1,210	B.
September.....	1,920	638	1,170	B.
1913-1914				
October.....	1,240	414	899	C.
November.....	1,000	327	664	C.
December.....	1,620	390	1,030	B.
January.....	1,720	430	1,250	C.
February.....	2,230	470	1,410	C.
March.....	1,920	489	1,190	C.
April.....	2,840	618	1,370	C.
May.....	1,080	518	729	C.
June.....	1,080	390	611	C.
July.....	858	210	429	C.
August.....	1,000	260	653	C.
September.....	1,420	430	812	C.
The year.....	2,840	210	918	C.
1914-1915				
October.....	2,440	390	1,020	C.
November.....	9,200	565	1,840	C.
December.....	14,200	670	3,890	C.
January.....	6,940	2,020	3,500	B.
February.....	5,100	1,520	3,170	B.
March.....	4,690	925	2,370	B.
April.....	1,720	518	1,040	C.
May.....	8,180	470	2,360	C.
June.....	6,740	470	1,610	C.
July.....	5,100	430	1,270	C.
August.....	4,480	390	1,100	C.
September.....	1,330	390	886	C.
The year.....	14,200	390	2,000	

WATER POWERS OF GEORGIA

OCMULGEE RIVER AT JULIETTE

Location.—1 mile below Juliette railroad station, 1 mile below Juliette Cotton Mills, which are on left side of river opposite Juliette, 2½ miles below mouth of Towaliga River, and 20 miles upstream from Macon, Ga.

Drainage Area.—2,100 square miles (measured on Post Route Map of Georgia).

Records Available.—June 3, 1916, to September 30.

Gage.—Stevens continuous water-stage recorder on left bank of river, referred to staff gage inside of concrete well.

Discharge Measurements.—Made from a cable about 150 feet upstream from gage.

Channel and Control.—Bed composed of sand and solid rock at section. Banks high; subject to overflow at about 15 feet gage height. A rock shoal half a mile downstream forms a control which will probably keep stage-discharge relation permanent.

Regulation.—There is a great diurnal fluctuation caused by operation of the hydro-electric plant about 30 miles upstream, near Jackson, Ga. Minor fluctuations are caused by operation of Juliette mills, a mile upstream, and the plant on Towaliga River at High Falls, about 15 miles away.

Discharge measurements of Ocmulgee River at Juliette

Date.	Gage height.	Dis-charge.	Date.	Gage height.	Dis-charge.
1916			1918		
May 15	3.54	671	April 12	4.68	1,680
May 16	4.14	1,110	May 21	4.08	1,130
June 10	4.61	1,620	June 5	4.00	914
July 12	17.42	21,800	August 7	4.48	1,200
July 14	9.51	7,300	October 9	3.66	730
July 16	7.28	3,840	1919		
September 7	4.22	1,160	February 19	5.77	2,710
November 27	3.94	927	April 15	4.38	1,200
1917			July 25	11.51	10,700
May 30	4.36	1,310	September 17	4.55	1,520
1918			September 18	4.10	1,050
February 23	4.80	1,540	December 23	6.24	3,060

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Ocmulgee River at Juliette

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916												
1										1,290	3,790	1,670
2										846	10,100	1,565
3										950	15,800	1,040
4									969	1,050		1,090
5									1,080	1,150		1,530
6									1,470	2,040		1,580
7									1,500	6,090		1,640
8									1,540	9,490	3,060	1,640
9									1,480	23,200	3,050	1,510
10									1,370	40,400	2,940	1,410
11									839	34,900	2,740	1,440
12									1,140	22,000	2,330	1,660
13									1,520	12,800	2,050	1,650
14									1,540	7,800	2,760	1,780
15									1,520	5,040	3,320	1,870
16									1,490	4,560	2,600	1,540
17									1,260	9,640	2,190	1,040
18									756	14,500	1,920	1,190
19									926	11,800	1,470	1,700
20									1,370	11,600	1,000	1,740
21									1,360	10,900	1,220	1,740
22									1,650	10,400	1,480	1,740
23									3,240	10,400	1,450	1,540
24									1,380	9,480	1,450	1,030
25									777	8,840	1,470	1,140
26									1,130	7,720	1,400	1,550
27									1,550	7,160	944	1,580
28									1,520	5,170	1,180	1,660
29									1,560	5,380	1,940	1,660
30									1,520	6,360	3,810	1,410
31										4,740	2,060	
1916-1917												
1	935	1,230	1,510	1,200	4,160	3,200	4,330	1,930	1,680	1,280	1,150	1,560
2	1,160	1,230	1,320	1,890	5,410	4,040	4,380	1,900	1,520	1,300	1,450	1,320
3	1,610	1,260	990	1,900	4,530	7,560	3,830	1,920	968	1,480	1,300	1,200
4	1,680	1,290	1,020	1,940	3,280	18,400	4,180	2,070	1,180	1,160	1,280	1,280
5	1,750		1,300	1,940	2,980	26,300		2,900	1,550	1,190	844	1,230
6	1,660		1,280	1,740	2,840	19,300		3,910	1,610	1,510	1,150	1,240
7	1,530		1,310	1,120	2,870	10,300		3,900	1,610	1,450	1,560	1,290
8	974		1,420	1,460	2,720	6,690		3,290	1,660	979	1,910	1,200
9	1,210		1,630	2,010	2,690	5,030		2,710	1,580	1,170	6,570	918
10	1,540		1,080	1,990	2,300	3,950		2,050	2,320	1,550	7,370	1,060
11	1,560		1,200	2,020	1,580	3,240	4,260	1,940	1,550	1,520	4,890	1,350
12	1,560		1,790	2,070	2,020	3,720	3,690	1,720	1,800	1,470	2,700	1,320
13	1,510		1,720	1,880	2,500	3,680	3,120	1,170	1,790	1,480	2,100	1,310
14	1,470		1,680	1,360	2,390	3,160	2,130	1,520	1,820	1,380	1,860	1,340
15	970		1,690	1,650	2,320	2,470	1,810	1,970	1,760	918	1,940	1,240
16	1,110		1,540	2,550	2,220	2,440	3,430	1,820	1,540	1,120	1,800	881
17	1,540		984	2,610	2,040	2,260	3,190	1,740	995	1,390	1,920	968
18	1,610		1,220	2,250	2,060	1,750	2,900	1,690	1,330	1,370	1,740	1,220
19	2,310		1,730	2,200	2,370	2,250	2,760	1,700	1,740	1,300	1,090	1,120
20	1,600		1,760	2,000	10,300	2,770	2,710		1,790	1,380	1,470	1,140
21	1,430		1,770	1,330	14,600	3,260	2,500		1,870	1,280	1,760	1,100
22	1,010		1,740	1,860	12,500	7,550	1,990		1,580	908	1,720	1,050
23	989		1,370	2,440	8,500	7,490	2,600		1,550	1,050	1,810	1,140
24	1,240		946	8,030	6,690	8,690	2,720		1,060	1,260	1,980	1,010
25	1,240		800	7,800	6,150	12,400	2,510		1,170	1,600	1,740	1,360
26	1,230		1,020	4,280	6,330	14,100	2,400		1,630	1,740	1,140	1,940
27	1,240	1,080	1,670	3,770	4,830	24,900	2,310		2,290	1,360	1,040	1,360
28	1,110	1,190	1,880	2,910	3,630	25,400	1,840		1,560	1,180	1,230	1,580
29	908	1,280	1,980	3,210		17,600	1,230	1,810	1,910	818	1,240	3,460
30	953	1,540	1,740	4,360		9,650	1,490	1,740	1,910	1,020	1,230	7,400
31	1,200		1,080	4,020		6,040		1,690		1,250	1,920	

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Ocmulgee River at Juliette—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-1918												
1-----	7,130	1,450	1,320	1,390	9,140	2,170	1,540	2,550	1,520	1,290	1,380	980
2-----	3,610	1,510	940	1,420	7,100	2,000	1,970	2,270	1,000	1,230	3,150	870
3-----	2,440	1,370	1,100	1,460	5,900	1,290	1,920	1,990	1,250	1,200	2,480	1,440
4-----	2,430	970	1,410	1,490	5,530	1,690	1,870	1,740	1,550	1,030	1,620	1,950
5-----	2,000	1,150	1,400	1,380	3,930	2,120	1,860	1,110	1,440	920	1,470	1,860
6-----	1,620	1,520	1,500	940	2,880	2,180	1,700	1,500	1,440	1,080	1,510	1,860
7-----	1,100	1,510	1,440	1,040	2,850	2,350	1,150	1,890	1,540	700	1,440	1,600
8-----	1,300	1,550	1,460	1,370	2,750	2,280	2,180	1,890	1,520	780	1,430	1,010
9-----	1,550	1,580	1,130	1,330	2,580	2,050	1,990	1,810	840	1,340	1,460	1,110
10-----	1,540	1,440	1,100	1,250	1,670	1,170	2,000	1,880	1,000	1,220	1,440	1,670
11-----	1,470	970	1,440	1,280	2,090	1,640	2,000	1,650	1,460	1,120	950	1,640
12-----	1,490	1,170	1,490	-----	2,490	2,140	1,930	1,100	1,360	1,120	1,060	1,560
13-----	1,410	1,340	1,390	-----	2,610	2,200	1,730	1,390	1,350	1,070	1,380	1,480
14-----	1,020	1,330	1,360	-----	2,480	2,170	1,200	1,740	1,310	680	1,390	1,500
15-----	1,120	1,320	1,400	-----	2,500	2,180	1,500	1,740	1,210	800	1,360	860
16-----	1,510	1,340	1,070	-----	2,290	1,970	1,860	1,810	730	1,170	1,380	1,010
17-----	1,500	1,290	1,170	-----	1,680	1,240	1,890	1,790	860	1,140	1,270	1,450
18-----	1,540	1,000	1,610	-----	2,370	1,670	1,860	1,530	1,240	1,250	855	1,320
19-----	1,560	1,150	1,480	-----	2,700	2,200	1,920	1,040	1,220	1,320	985	1,240
20-----	1,400	1,300	1,420	1,260	2,640	2,380	1,750	1,370	1,230	1,300	1,330	1,210
21-----	931	1,500	1,520	1,650	2,630	2,300	1,400	1,740	1,180	840	1,330	1,000
22-----	1,220	1,390	1,400	2,170	2,550	2,200	1,530	1,780	1,090	880	1,350	710
23-----	1,540	1,410	920	2,270	2,320	1,990	1,850	1,830	700	1,280	1,350	700
24-----	1,520	1,360	680	2,160	1,600	1,270	1,870	1,950	840	1,290	1,300	920
25-----	1,510	970	828	2,520	2,160	1,690	1,860	1,610	1,180	1,330	830	880
26-----	1,680	1,140	920	2,370	2,620	2,230	2,040	1,060	1,180	1,700	750	910
27-----	1,480	1,430	1,230	1,280	2,450	2,250	1,900	1,310	1,200	1,000	1,230	900
28-----	975	1,420	1,300	2,070	2,260	2,250	1,510	1,690	1,190	870	1,310	870
29-----	1,200	1,360	1,260	7,620	-----	2,320	1,930	1,650	1,220	930	2,700	730
30-----	1,650	1,320	890	12,400	-----	2,080	2,400	1,660	1,050	1,880	1,440	740
31-----	1,480	-----	940	12,800	-----	1,250	-----	1,640	-----	1,620	1,290	-----

NOTE.—Discharge, Jan. 12-19, estimated, by comparison with records for Ocmulgee River at Jackson, as 1,570 second-feet.

Monthly discharge of Ocmulgee River at Juliette

Month.	Discharge in second-feet.		
	Maximum.	Minimum.	Mean.
1916			
June 4-30.....	3,240	839	1,390
July.....	40,400	846	9,920
September.....	1,740	1,040	1,510
1916-1917			
October.....	2,310	908	1,350
December.....	1,980	800	1,420
January.....	8,030	1,120	2,640
February.....	14,600	1,580	4,530
March.....	26,300	1,750	8,700
June.....	2,320	968	1,610
July.....	1,740	818	1,290
August.....	7,370	844	2,030
September.....	7,400	881	1,520
1917-1918			
October.....	7,130	931	1,740
November.....	1,800	970	1,340
December.....	1,610	680	1,240
January.....	12,800	940	2,500
February.....	9,140	1,600	3,100
March.....	2,380	1,170	1,970
April.....	2,400	1,150	1,800
May.....	2,550	1,040	1,670
June.....	1,550	700	1,200
July.....	1,700	680	1,130
August.....	3,150	750	1,430
September.....	1,950	700	1,200
The year.....	12,800	680	1,680

OCMULGEE RIVER AT MACON, GA.

Location.—At the Fifth Street bridge in the city of Macon, near the former location of the Southern Railway passenger depot and about 500 feet above the Central of Georgia Railway bridge.

Drainage Area.—2,420 square miles.

Records Available.—October 18, 1895, to December 31, 1912.

Gage.—The United States Weather Bureau gage originally used at this station is a heavy timber bolted to a pier of the Central of Georgia Railway bridge. A standard chain gage was installed October 9, 1905, on the downstream steel handrail of the highway bridge about 600 feet upstream from the old gage. These gages have been referred to the same datum and have given practically the same readings.

Discharge Measurements.—Made from the downstream side of the highway bridge to which the gage is attached.

Channel and Control.—Both banks are high and neither is subject to overflow; bed soft and shifting; considerable change in the station rating curve has occurred as the result of the changes in the river bed at and below the station. Since August 1, 1912, the old

WATER POWERS OF GEORGIA

relation of gage height to discharge has been considerably changed owing to the construction of a dock about 800 feet below the gage.

Regulation.—The natural flow, especially at low stage, has been greatly affected by the operation of the power dam above, near Jackson.

Discharge measurements of Ocmulgee River at Macon

Date.	Gage height.	Dis-charge.	Date.	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1910	Feet.	Sec.-ft.
April 20-----	5.04	2,770	April 27-----	4.09	1,990
August 23-----	1.78	1,100	April 27-----	4.13	2,060
1908			November 9-----	1.76	921
February 13-----	12.86	9,710	November 9-----	1.82	940
August 13-----	2.92	1,310	1911		
October 31-----	4.83	2,430	July 27-----	2.16	1,180
October 31-----	4.83	2,390	July 27-----	2.40	1,320
1909			September 14-----	.66	590
April 6-----	5.68	2,510	September 14-----	.58	543
July 27-----	3.10	1,400	1912		
October 7-----	2.28	852	April 23-----	17.15	16,900
October 7-----	2.34	895	August 22-----	5.16	2,240
November 22-----	2.42	991	1913		
November 24-----	4.27	2,070	April 3-----	7.34	3,200

Daily gage height, in feet, of Ocmulgee River at Macon.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1-----	10.8	5.0	8.8	3.1	5.1	4.1	4.4	2.9	0.6	3.6	0.8	5.8
2-----	10.6	13.3	11.3	3.2	4.6	4.9	3.1	2.3	.4	2.4	.8	4.5
3-----	8.6	11.8	13.7	3.3	4.2	3.7	7.6	2.3	.1	1.3	.9	3.9
4-----	6.6	9.4	13.2	3.1	5.9	3.2	8.2	3.6	5.2	1.6	.7	3.4
5-----	6.0	16.2	10.3	3.0	5.8	2.6	4.4	3.6	3.1	1.4	.7	3.0
6-----	5.5	14.9	8.1	3.2	4.8	2.6	3.9	2.4	4.2	1.2	1.0	2.7
7-----	4.9	13.0	6.8	3.8	4.3	2.2	2.5	2.5	2.1	1.1	.9	2.6
8-----	4.4	9.9	5.6	4.2	4.1	2.0	2.0	3.8	1.5	.9	.9	2.5
9-----	4.2	8.1	5.2	4.2	7.0	1.9	1.8	2.5	3.2	1.0	.8	2.3
10-----	4.0	6.8	4.9	4.0	4.8	1.8	1.5	2.5	2.9	1.1	.8	8.1
11-----	4.0	5.8	4.5	3.4	5.2	1.7	1.6	1.5	1.3	1.6	1.7	7.0
12-----	3.8	5.3	4.5	3.2	4.0	1.7	1.9	1.8	1.0	1.3	2.9	5.6
13-----	3.7	4.9	4.4	3.0	3.7	2.9	2.0	5.1	1.1	1.0	2.7	4.5
14-----	3.6	4.7	4.3	2.9	3.5	3.3	2.0	4.6	1.1	.8	1.2	15.0
15-----	3.5	4.5	5.0	2.6	4.2	7.6	3.3	2.8	1.1	.6	1.5	12.3
16-----	3.5	4.3	5.4	2.6	4.6	5.3	2.9	2.8	.8	.8	1.2	9.7
17-----	3.4	4.1	6.1	4.3	4.7	3.8	2.2	4.2	.6	.9	1.2	7.2
18-----	3.3	4.0	4.4	8.1	3.9	2.7	1.8	4.4	.7	.8	1.2	5.7
19-----	3.3	3.9	4.2	9.3	3.3	2.2	1.9	3.3	.7	.8	1.9	5.0
20-----	3.4	4.1	4.1	5.2	2.9	1.8	1.8	2.7	.7	.8	2.5	4.6
21-----	3.7	4.5	3.9	5.1	2.9	1.8	1.7	1.7	.6	.7	3.2	4.2
22-----	3.5	4.1	3.8	4.1	2.4	1.7	1.4	1.4	1.0	.6	6.1	3.8
23-----	3.2	3.8	3.8	12.2	2.4	1.7	1.1	1.9	1.4	.7	14.4	17.1
24-----	3.1	3.7	3.5	11.8	2.3	1.6	1.1	1.6	8.2	.8	11.5	15.4
25-----	3.0	3.9	3.5	9.9	2.4	1.5	1.0	1.6	4.6	.8	9.6	13.5
26-----	3.2	4.6	3.4	7.3	2.3	3.2	1.0	1.2	2.4	.7	7.3	9.8
27-----	3.3	5.1	3.3	5.8	2.3	2.3	1.3	1.0	1.8	.7	5.2	7.5
28-----	3.2	6.8	3.2	5.2	3.0	2.6	3.6	1.1	1.6	.7	4.1	6.4
29-----	3.1	-----	3.2	6.0	2.6	9.7	3.2	1.0	12.1	.4	5.6	7.6
30-----	3.0	-----	3.1	6.0	2.3	9.1	4.1	.8	5.9	.8	6.8	10.4
31-----	3.4	-----	3.0	-----	2.2	-----	4.4	.7	-----	.8	-----	14.0

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Ocmulgee River at Macon—Continued.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1-----	11.9	18.1	6.3	6.8	9.9	7.0	3.2	2.5	3.9	2.3	3.9	2.3
2-----	9.5	18.0	6.0	6.5	7.8	6.5	3.4	2.4	3.6	2.1	3.3	2.7
3-----	7.7	16.2	6.0	6.0	7.6	5.2	3.5	2.4	3.3	2.1	3.1	2.6
4-----	6.4	11.0	6.3	5.5	6.9	4.4	4.4	2.4	3.1	1.9	4.0	2.5
5-----	6.7	9.0	5.9	5.3	6.5	4.8	4.4	2.3	3.2	1.8	4.4	2.5
6-----	9.2	8.2	5.8	5.2	6.3	5.0	8.5	4.8	6.6	1.7	4.0	2.6
7-----	12.9	8.2	5.5	4.9	6.3	4.8	7.1	4.5	9.9	1.9	3.8	2.5
8-----	14.2	7.4	5.4	5.9	6.1	4.4	7.8	3.7	7.1	1.9	3.3	3.5
9-----	11.0	6.5	5.2	5.3	6.5	4.3	6.8	4.3	5.1	1.9	3.0	4.8
10-----	8.8	6.4	5.1	5.1	6.0	4.0	8.9	3.6	4.1	2.2	2.8	4.3
11-----	7.4	17.4	4.9	5.0	5.7	3.9	8.1	3.2	3.6	3.7	2.7	3.9
12-----	15.9	16.1	4.9	4.6	5.5	4.0	5.4	3.6	3.2	3.4	2.6	3.8
13-----	18.0	13.8	5.0	4.4	5.3	4.2	4.4	3.3	2.8	3.0	2.5	3.7
14-----	11.8	11.6	4.9	4.4	5.2	3.8	4.8	2.7	2.6	2.9	2.8	3.4
15-----	9.2	12.8	4.8	19.7	5.0	3.7	4.6	2.3	2.8	2.5	3.3	3.2
16-----	7.7	16.5	4.8	16.1	4.9	3.6	4.4	2.2	2.9	2.3	4.0	3.0
17-----	7.0	15.9	4.7	11.2	4.7	7.1	4.0	2.1	2.4	2.1	3.7	2.8
18-----	6.3	12.4	4.5	9.5	4.8	5.6	3.1	2.0	2.3	2.1	3.4	2.7
19-----	5.8	11.3	4.4	7.5	6.9	5.5	4.0	2.9	2.3	1.0	3.2	2.7
20-----	5.2	12.2	4.3	7.5	6.5	4.9	3.8	3.6	2.4	1.9	2.9	2.7
21-----	5.2	10.9	4.3	7.3	5.7	4.1	3.6	3.4	2.2	1.8	2.8	2.5
22-----	5.0	9.3	4.9	6.0	5.6	11.0	3.1	4.2	2.3	1.9	2.7	5.0
23-----	4.9	8.3	9.7	11.1	4.8	11.6	2.9	4.1	2.4	2.0	2.5	16.9
24-----	4.6	7.5	18.9	8.9	4.6	6.7	3.1	4.5	2.4	2.4	2.4	14.9
25-----	4.4	7.1	17.9	8.7	4.7	6.0	3.8	11.8	2.3	2.0	2.3	10.8
26-----	4.2	6.9	15.6	13.2	4.8	5.7	2.7	17.2	2.1	2.1	2.6	7.7
27-----	4.0	7.9	12.7	20.1	7.1	4.3	2.4	15.0	2.1	1.9	2.6	6.1
28-----	5.2	7.5	10.7	19.5	6.1	3.6	2.5	12.5	2.1	3.2	2.5	5.5
29-----	4.6	6.8	9.1	14.0	6.5	3.5	2.5	10.2	2.2	4.8	2.5	4.8
30-----	4.2		7.9	12.2	5.8	3.4	3.6	6.0	2.2	3.3	2.4	4.5
31-----	4.6		7.1		10.9		3.2	4.4		5.2		4.4

Rating tables for Ocmulgee River at Macon for 1907.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.10	525	1.80	1,090	3.50	1,870	6.40	3,650
.20	550	1.90	1,130	3.60	1,920	6.60	3,790
.30	575	2.00	1,170	3.70	1,975	6.80	3,930
.40	605	2.10	1,215	3.80	2,030	7.00	4,070
.50	635	2.20	1,260	3.90	2,085	8.00	4,800
.60	665	2.30	1,305	4.00	2,140	9.00	5,580
.70	695	2.40	1,350	4.20	2,250	10.00	6,440
.80	725	2.50	1,395	4.40	2,370	11.00	7,470
.90	755	2.60	1,440	4.60	2,490	12.00	8,790
1.00	790	2.70	1,485	4.80	2,610	13.00	10,580
1.10	825	2.80	1,530	5.00	2,730	14.00	13,230
1.20	860	2.90	1,575	5.20	2,860	15.00	16,940
1.30	895	3.00	1,620	5.40	2,990	16.00	21,200
1.40	930	3.10	1,670	5.60	3,120	17.00	25,800
1.50	970	3.20	1,720	5.80	3,250	18.00	30,700
1.60	1,010	3.30	1,770	6.00	3,380	19.00	35,750
1.70	1,050	3.40	1,820	6.20	3,510	20.00	40,960

For 1908.

1.70	865	3.10	1,425	4.50	2,190	6.80	3,680
1.80	900	3.20	1,470	4.60	2,250	7.00	3,820
1.90	935	3.30	1,520	4.70	2,310	7.20	3,960
2.00	970	3.40	1,570	4.80	2,370	7.40	4,100
2.10	1,005	3.50	1,620	4.90	2,430	7.60	4,240
2.20	1,045	3.60	1,670	5.00	2,490	7.80	4,380
2.30	1,085	3.70	1,725	5.20	2,620	8.00	4,530
2.40	1,125	3.80	1,780	5.40	2,750	9.00	5,310
2.50	1,165	3.90	1,835	5.60	2,880	10.00	6,260
2.60	1,205	4.00	1,890	5.80	3,010	11.00	7,410
2.70	1,245	4.10	1,950	6.00	3,140	12.00	8,790
2.80	1,290	4.20	2,010	6.20	3,270		
2.90	1,335	4.30	2,070	6.40	3,400		
3.00	1,380	4.40	2,130	6.60	3,540		

aThe above table is based on four discharge measurements made during 1906-7, and on the form of preceding curves.

bThe above table is based on three discharge measurements made during 1908 and on the form of preceding curves. The high-water part of the curve is based on measurements of earlier years; the curve is well defined: above 12 feet it is the same as for 1906-7.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Ocmulgee River at Macon.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	3,610	1,110	3,400	3,610	4,830	5,490	1,770	2,560	990	1,110	990	990
2	3,140	1,050	3,200	3,470	8,360	3,680	1,770	2,070	870	1,050	990	990
3	2,430	1,110	3,010	3,270	7,280	4,600	1,770	4,910	870	990	1,590	990
4	2,070	1,110	3,340	3,200	4,910	10,600	1,530	11,300	870	930	1,590	990
5	2,190	1,230	2,940	3,010	3,610	6,810	1,410	12,300	870	930	1,290	990
6	4,030	1,890	2,680	3,010	3,200	4,990	5,070	8,940	870	870	1,110	990
7	3,400	4,910	4,530	2,940	2,820	3,470	5,670	5,580	870	870	1,050	990
8	3,140	3,400	3,890	3,340	2,620	2,880	4,680	3,400	810	810	990	1,350
9	2,250	2,310	3,470	3,750	2,490	2,430	3,540	4,310	990	810	990	1,830
10	2,010	28,700	23,000	3,400	2,310	2,190	3,340	4,170	870	810	990	1,770
11	1,830	25,800	34,200	3,140	5,670	2,070	3,140	3,400	870	750	990	1,410
12	1,830	13,200	13,200	2,320	3,680	1,890	2,430	2,560	930	750	990	1,230
13	1,770	6,480	43,100	2,940	2,750	1,890	2,250	5,310	870	750	990	1,290
14	1,830	19,000	39,900	2,940	2,430	1,950	2,430	4,170	810	750	990	2,490
15	1,830	10,600	31,700	2,940	2,310	2,010	2,560	3,470	810	870	930	2,620
16	1,830	28,700	20,800	2,820	2,190	2,310	1,950	3,680	1,410	5,070	930	2,070
17	2,070	19,500	8,640	2,680	2,070	2,680	1,770	3,960	4,530	4,760	990	1,650
18	3,140	9,260	6,480	2,560	2,370	3,470	2,010	2,620	2,490	3,960	990	1,470
19	3,140	6,160	5,670	2,370	2,250	3,270	1,770	1,950	6,060	3,270	990	1,410
20	2,430	8,360	4,990	2,490	2,490	2,620	1,530	1,590	3,750	2,130	1,170	1,470
21	2,070	6,810	23,900	2,430	3,080	2,310	1,410	1,410	2,250	1,530	1,050	1,650
22	1,950	7,040	23,400	2,250	3,340	2,490	1,350	1,350	1,650	1,290	930	1,650
23	1,890	9,260	9,260	2,430	2,940	2,620	1,230	1,230	2,680	2,680	990	1,590
24	1,770	10,800	6,160	8,220	2,430	3,200	1,170	1,170	4,910	2,070	1,950	1,350
25	1,530	8,790	5,310	9,260	2,430	3,010	1,590	1,110	2,070	1,650	2,310	1,290
26	1,650	7,280	6,920	5,960	2,190	2,250	1,410	1,110	2,820	1,470	1,830	1,890
27	1,590	5,150	6,060	4,760	2,250	2,620	1,290	1,050	1,770	1,290	1,650	2,620
28	1,530	4,100	4,990	4,100	2,560	2,070	1,290	1,050	1,350	1,230	1,170	2,130
29	1,410	-----	4,910	3,820	2,490	1,890	2,680	990	1,290	1,110	1,050	1,890
30	1,350	-----	4,680	3,470	2,560	1,890	2,010	930	1,170	1,050	1,050	1,590
31	1,290	-----	3,960	-----	3,470	-----	4,240	930	-----	1,050	-----	1,470
1910												
1	1,370	3,410	36,300	1,850	1,650	1,240	9,610	1,190	1,550	1,070	784	784
2	1,460	2,700	32,200	1,750	1,550	1,190	8,500	1,150	2,060	942	784	942
3	1,460	2,520	14,600	1,700	1,510	1,150	9,980	1,110	1,850	822	822	902
4	1,460	2,760	7,410	1,700	1,460	1,110	11,300	1,070	2,120	784	862	942
5	1,370	2,760	5,490	1,750	1,420	1,110	6,590	3,280	3,340	822	822	862
6	1,370	2,400	4,380	1,700	1,420	1,190	4,460	1,460	2,280	822	862	1,550
7	1,510	1,950	3,680	1,700	1,370	1,800	5,310	1,460	1,550	902	822	1,700
8	1,950	1,950	3,340	1,600	1,370	1,700	1,370	2,000	1,150	3,610	822	1,330
9	2,340	1,850	3,150	1,550	1,650	1,370	6,160	1,850	982	3,020	942	1,190
10	1,800	1,750	2,960	1,460	1,750	1,190	6,160	1,460	982	2,400	862	1,110
11	1,550	1,900	2,760	1,460	1,800	1,420	5,230	1,330	1,510	2,000	862	1,650
12	1,510	3,410	3,150	1,420	1,550	2,340	6,480	1,110	1,240	1,510	862	1,510
13	1,460	3,150	4,170	1,510	1,510	4,830	3,750	1,110	1,070	1,240	784	942
14	1,460	2,640	3,480	2,120	2,520	3,540	2,700	1,110	982	1,070	784	902
15	1,420	2,400	3,080	2,220	1,700	3,220	2,280	1,070	942	942	746	862
16	1,370	2,170	2,760	2,000	1,370	5,400	2,640	1,110	862	942	746	1,190
17	1,370	2,000	2,580	7,670	1,330	2,890	3,320	1,020	822	862	822	784
18	1,370	6,920	2,340	21,200	1,510	2,120	9,260	942	822	822	634	822
19	1,370	9,100	2,280	13,200	1,650	1,650	4,240	902	746	822	746	902
20	1,370	6,920	2,220	5,310	1,600	1,460	3,080	1,020	670	862	634	942
21	1,650	4,380	2,170	3,680	1,650	1,370	1,950	1,550	784	822	562	862
22	2,170	6,700	2,520	3,020	2,280	1,240	1,700	1,020	982	822	360	822
23	2,520	5,960	2,170	2,640	2,340	3,020	1,510	902	822	784	562	822
24	2,280	5,670	2,170	2,400	2,580	1,950	1,420	902	746	746	562	982
25	2,340	22,500	2,120	2,460	1,510	1,510	2,280	862	746	746	1,020	1,020
26	2,400	8,790	2,060	1,950	4,240	1,460	2,170	1,280	670	822	784	982
27	2,220	5,400	1,950	1,950	3,540	1,460	1,900	982	670	784	746	942
28	2,640	4,030	1,950	2,000	2,120	1,190	1,510	942	708	784	902	942
29	12,900	-----	2,000	1,900	1,650	1,110	1,370	862	784	784	1,190	942
30	6,590	-----	1,950	1,850	1,510	1,550	1,370	784	1,190	784	862	1,110
31	4,310	-----	1,950	-----	1,330	-----	1,240	2,280	-----	784	-----	1,150

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Ocmulgee River at Macon—Continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1-----	1,280	1,240	1,550	940	1,280	860	700	665	525	595	2,290	1,140
2-----	1,100	1,240	1,550	900	1,550	860	630	860	525	595	1,900	1,100
3-----	3,310	1,320	1,370	860	1,600	780	525	2,770	490	420	1,800	1,060
4-----	5,760	1,420	1,320	780	1,460	700	490	6,610	740	595	1,600	940
5-----	2,830	1,320	1,320	860	1,240	700	595	8,940	525	595	1,370	940
6-----	2,000	1,240	1,320	1,700	1,190	700	560	5,580	595	630	1,100	980
7-----	1,500	1,420	1,370	1,700	1,100	700	700	3,430	700	630	1,600	980
8-----	940	1,420	1,370	1,370	980	700	630	2,290	630	595	2,230	940
9-----	860	1,500	1,420	1,800	940	665	630	1,500	630	595	4,600	900
10-----	820	1,500	1,420	3,550	940	665	630	1,600	630	595	8,800	860
11-----	700	1,550	1,370	4,920	940	665	595	1,320	560	2,350	9,220	820
12-----	700	2,770	1,370	5,400	940	560	1,190	1,100	490	1,370	5,940	820
13-----	665	2,530	1,370	7,980	900	560	1,100	1,100	560	740	3,900	900
14-----	665	2,290	1,460	6,500	900	630	1,420	900	595	700	3,130	900
15-----	860	1,850	1,460	5,160	1,320	630	5,240	860	560	630	2,410	900
16-----	860	1,600	1,420	4,040	1,100	630	2,890	780	630	595	1,950	2,410
17-----	940	1,650	1,190	3,070	1,020	595	5,080	1,100	630	940	1,700	1,800
18-----	900	1,500	1,370	2,890	940	630	4,110	980	595	2,000	1,600	1,500
19-----	900	1,460	1,420	2,530	860	630	3,370	2,530	595	1,950	1,650	1,550
20-----	900	1,460	1,320	2,950	860	630	2,290	900	665	2,170	1,320	1,370
21-----	900	1,700	1,320	2,590	900	1,460	1,800	860	630	1,800	1,420	6,300
22-----	1,140	1,550	1,320	2,230	900	900	1,550	700	630	4,390	1,320	5,850
23-----	1,320	1,460	1,280	1,900	1,320	860	1,420	700	630	12,600	1,240	19,800
24-----	1,320	1,460	1,240	1,650	2,890	1,100	1,190	665	980	5,240	1,140	17,200
25-----	1,370	1,600	1,240	1,600	2,110	860	1,060	630	700	2,890	1,100	13,700
26-----	1,370	1,550	1,370	1,420	1,900	665	1,060	630	525	2,170	1,140	9,370
27-----	1,320	1,460	3,250	1,370	1,550	630	1,060	700	630	1,950	980	7,200
28-----	1,320	1,460	2,350	1,370	1,280	700	1,100	700	630	8,660	1,190	6,610
29-----	1,320	1,500	1,370	1,100	820	940	630	630	9,980	1,240	5,320	
30-----	1,280	-----	1,140	1,320	1,020	780	820	630	630	4,460	1,190	4,180
31-----	1,280	-----	1,020	-----	940	-----	700	-----	-----	3,250	-----	3,370

NOTE.—Daily discharge computed from a rating curve fairly well defined below 8,000 second-feet. For stages above 10,000 second-feet the rating is very uncertain.

Daily gage height, in feet, of Ocmulgee River at Macon—continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1-----	12.3	13.2	9.0	12.4	7.9	7.6	7.0	4.5	3.8	5.4	3.6	3.6
2-----	9.2	10.9	7.8	10.8	7.4	6.3	7.1	4.5	3.5	4.8	4.0	2.6
3-----	8.0	9.7	6.9	9.6	7.2	7.1	7.2	4.4	3.6	4.4	3.5	3.5
4-----	8.0	7.0	10.0	8.4	9.2	10.2	11.9	4.5	3.5	4.3	2.7	3.7
5-----	7.1	5.8	8.6	7.7	10.1	10.2	10.0	4.2	3.6	6.5	4.6	3.7
6-----	6.4	5.6	16.0	7.5	14.9	10.3	8.6	4.4	6.7	10.1	3.5	3.7
7-----	5.7	5.0	13.4	7.2	12.2	16.6	8.8	4.4	4.9	8.5	7.5	3.7
8-----	5.4	4.6	12.3	6.9	12.0	15.0	7.7	4.2	4.2	6.6	5.5	3.4
9-----	14.7	4.5	11.0	7.1	12.3	12.8	6.9	5.7	3.5	5.5	4.7	2.4
10-----	11.8	4.4	10.0	6.9	10.3	10.7	7.0	5.6	3.7	4.9	4.5	3.1
11-----	10.0	4.5	8.6	6.8	8.5	8.6	7.4	5.9	3.6	4.5	3.5	3.7
12-----	8.4	4.2	10.2	6.7	7.6	7.0	8.3	6.4	5.0	4.2	4.3	3.5
13-----	7.3	4.7	10.0	6.6	7.3	6.2	13.9	6.1	4.4	3.9	4.1	3.6
14-----	6.8	4.5	8.8	6.5	7.2	6.3	12.6	5.5	4.1	3.8	3.9	3.6
15-----	5.9	10.5	16.7	6.2	6.6	9.0	10.9	5.0	3.9	4.2	4.0	3.0
16-----	5.7	12.5	22.7	11.1	6.5	15.6	8.9	4.7	3.8	4.8	3.8	2.4
17-----	5.1	13.9	22.3	15.6	6.6	15.4	11.9	7.8	4.4	4.8	3.8	3.1
18-----	4.8	12.0	20.2	16.9	6.5	12.8	12.7	5.8	4.4	4.7	2.8	3.4
19-----	4.9	9.8	15.4	14.7	6.1	10.0	11.2	5.0	4.0	4.4	3.7	3.5
20-----	5.6	8.4	12.1	12.2	5.7	8.2	8.3	6.7	3.7	4.5	3.5	3.4
21-----	5.5	7.6	10.6	16.9	6.0	6.9	6.8	5.8	3.5	3.7	3.8	3.5
22-----	5.0	14.4	9.5	15.1	5.9	6.4	6.1	5.0	3.2	5.9	3.6	3.1
23-----	4.9	13.7	8.7	17.7	5.7	5.7	6.2	5.0	4.1	5.5	3.6	2.4
24-----	4.6	12.3	9.6	16.2	5.6	5.3	5.7	5.1	11.8	4.9	3.6	10.3
25-----	4.4	15.4	11.6	13.1	5.4	8.8	5.6	4.6	7.8	4.6	2.6	5.4
26-----	4.2	14.0	11.4	11.0	5.4	11.6	5.5	5.0	6.0	4.1	3.8	5.1
27-----	4.0	13.6	11.1	9.5	5.0	14.4	5.4	5.7	5.6	3.7	3.8	5.7
28-----	3.9	12.2	8.9	8.6	5.6	12.7	5.1	5.5	4.8	3.0	4.1	5.9
29-----	3.6	10.5	10.4	8.0	5.7	10.8	4.7	4.5	4.3	4.0	3.6	4.9
30-----	12.6	-----	14.4	8.0	9.7	8.4	4.9	4.1	4.4	3.9	4.0	3.7
31-----	13.1	-----	14.4	-----	8.7	-----	4.8	3.9	-----	3.8	-----	5.3

WATER POWERS OF GEORGIA

Monthly discharge of Ocmulgee River at Macon

[Drainage area, 2,420 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square Mile.		
1907						
January	7,250	1,620	2,500	1.03	1.19	B.
February	22,100	1,980	4,910	2.03	2.11	A.
March	12,300	1,620	3,430	1.42	1.64	A.
April	9,100	1,440	3,010	1.24	1.38	A.
May	4,070	1,260	2,080	.860	.99	A.
June	6,170	970	1,880	.777	.87	A.
July	4,950	790	1,590	.657	.76	A.
August	2,800	695	1,410	.583	.67	A.
September	8,940	525	1,570	.649	.72	A.
October	1,920	605	824	.340	.39	A.
November	14,600	695	2,290	.946	1.06	A.
December	26,300	1,300	5,680	2.35	2.71	B.
The year	26,300	525	2,600	1.07	14.49	
1908						
January	20,800	1,890	5,150	2.13	2.46	B.
February	31,200	3,400	10,700	4.42	4.77	B.
March	35,200	2,070	5,780	2.39	2.76	B.
April	41,500	2,130	8,680	3.57	3.98	B.
May	7,280	2,250	3,300	1.36	1.57	B.
June	8,220	1,570	2,750	1.14	1.27	B.
July	5,230	1,120	2,250	.930	1.07	A.
August	26,800	970	3,550	1.47	1.70	A.
September	6,160	1,000	1,640	.678	.76	A.
October	2,620	865	1,180	.488	.56	B.
November	2,130	1,080	1,430	.591	.66	B.
December	25,300	1,080	3,180	1.31	1.51	A.
The year	41,500	865	4,130	1.71	23.07	
1909						
January	4,030	1,290	2,190	0.905	1.04	A.
February	28,700	1,050	9,040	3.74	3.90	A.
March	43,100	2,680	11,800	4.88	5.63	A.
April	9,260	2,250	3,580	1.48	1.65	A.
May	8,360	2,070	3,240	1.34	1.54	A.
June	10,600	1,890	3,190	1.32	1.47	A.
July	5,670	1,170	2,320	.959	1.11	A.
August	12,300	930	3,370	1.39	1.60	A.
September	6,060	810	1,780	.736	.82	A.
October	5,070	750	1,570	.649	.75	A.
November	2,310	930	1,180	.488	.54	A.
December	2,620	990	1,550	.640	.74	A.
The year	43,100	750	3,730	1.54	20.79	

Monthly discharge of Ocmulgee River at Macon—continued

[Drainage area, 2,420 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1910						
January.....	12,900	1,370	2,330	0.963	1.11	A.
February.....	22,500	1,750	4,570	1.89	1.97	A.
March.....	36,300	1,950	5,330	2.20	2.54	B.
April.....	21,200	1,420	3,280	1.36	1.52	A.
May.....	4,240	1,330	1,850	.764	.88	A.
June.....	5,400	1,110	1,930	.798	.89	A.
July.....	11,300	1,240	4,400	1.82	2.10	A.
August.....	3,280	784	1,260	.521	.60	A.
September.....	3,340	670	1,190	.492	.55	A.
October.....	3,610	746	1,130	.467	.54	A.
November.....	1,190	360	785	.324	.36	B.
December.....	1,700	784	1,040	.430	.50	A.
The year.....	36,300	360	2,410	.996	13.56	
1911						
January.....	5,760	665	1,370	0.566	0.65	----
February.....	2,770	1,240	1,590	.657	.68	----
March.....	3,250	1,020	1,440	.595	.69	----
April.....	7,980	780	2,560	1.06	1.18	----
May.....	2,390	860	1,220	.504	.58	----
June.....	1,460	560	742	.307	.34	----
July.....	5,240	490	1,490	.616	.71	----
August.....	8,940	630	1,720	.711	.82	----
September.....	980	490	616	.255	.28	----
October.....	12,600	420	2,470	1.02	1.18	----
November.....	9,220	980	2,400	.992	1.11	----
December.....	19,800	820	3,930	1.62	1.87	----
The year.....	19,800	420	1,800	.744	10.09	----

OCONEE RIVER NEAR GREENSBORO, GA.

Location.—At highway bridge 5 miles west of Greensboro on the road to Madison, Ga., about 4 miles above the mouth of Apalachee River, and 1½ miles below Town Creek.

Drainage Area.—1,100 square miles.

Records Available.—July 25, 1903, to September 30, 1920.

Gage.—Standard chain gage attached to the bridge; read twice daily.

Discharge Measurements.—Made from downstream side of bridge.

Channel and Control.—Bed composed mainly of sand; slightly shifting. Control section unknown.

Regulation.—Flow affected by operation of power plants above station.

WATER POWERS OF GEORGIA

Discharge measurements of Oconee River near Greensboro

Date.	Gage height.	Dis-charge.	Date.	Gage height.	Dis-charge.
1907			1912		
March 16	4.13	1,560	January 17	3.56	1,150
November 27	4.62	1,750	December 17	2.49	738
1909			1914		
January 26	3.40	1,140	January 8	3.38	1,070
June 4	11.41	5,730	December 10	4.60	1,460
June 4	11.59	5,780	1915		
August 13	3.35	1,090	November 5	2.16	5.40
August 13	3.30	1,060	November 5	2.12	5.13
October 5	2.22	713	1918		
October 30	2:50	767	April 11	3.79	1,280
October 30	2.44	763	June 15	1.36	425
1911					
September 12	1.16	366			
September 12	1.12	356			

Daily gage height, in feet, of Oconee River near Greensboro.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	6.7	4.8	8.3	3.0	3.3	7.6	3.0	3.5	0.8	2.85	1.25	3.4
2	9.0	5.6	9.5	3.2	3.3	4.6	2.5	1.95	1.25	2.3	1.45	3.2
3	6.6	4.6	11.1	2.9	3.0	4.0	2.4	2.25	1.25	1.9	1.5	2.95
4	5.2	4.1	11.2	2.7	3.1	3.3	3.5	2.0	3.3	1.95	1.6	2.55
5	4.2	11.2	7.4	3.3	3.4	2.7	3.2	1.35	3.9	1.65	1.6	2.65
6	3.7	10.3	5.6	2.8	3.5	2.4	2.3	1.5	3.2	1.6	1.5	2.4
7	3.6	8.4	4.6	2.2	3.1	2.3	2.4	1.6	1.7	1.5	1.5	2.45
8	3.4	5.8	4.3	3.8	3.8	2.2	1.95	1.3	1.4	1.95	1.35	2.55
9	3.3	4.4	4.1	3.4	3.6	2.1	1.85	3.0	2.0	1.95	1.45	2.55
10	3.3	4.2	4.0	2.9	3.3	2.0	1.75	1.5	1.9	1.85	1.6	3.6
11	3.2	3.9	3.8	2.8	3.0	1.9	2.5	2.65	1.45	1.6	2.45	3.7
12	3.1	3.6	3.6	2.7	2.9	2.7	2.4	2.15	1.15	1.5	3.0	3.5
13	3.1	3.4	3.6	3.0	2.7	2.7	2.8	1.75	1.2	1.15	2.2	3.8
14	3.0	3.3	3.5	2.9	2.7	4.0	2.45	4.4	2.0	1.45	1.95	8.5
15	2.9	3.2	4.0	2.8	2.9	3.5	2.35	5.2	.95	1.4	1.65	7.2
16	2.9	3.1	4.1	3.7	3.0	2.2	2.6	4.0	1.15	1.55	1.65	6.2
17	2.9	3.1	3.7	3.4	2.9	2.4	2.3	4.0	1.45	1.25	1.55	4.4
18	2.8	3.1	3.5	3.0	2.7	2.7	2.0	3.0	1.35	1.3	2.05	3.7
19	2.8	3.7	3.4	2.9	2.7	1.8	2.15	2.95	1.35	1.4	2.95	3.4
20	2.9	3.3	4.0	2.9	2.7	2.0	2.55	2.05	1.25	1.15	3.6	3.2
21	3.0	3.2	3.3	3.6	2.6	1.9	2.25	1.8	1.05	1.25	5.6	3.0
22	2.6	3.1	3.2	8.9	2.4	2.3	1.75	1.55	.95	1.55	10.2	3.4
23	2.5	2.9	3.0	9.3	2.4	2.3	1.85	1.65	7.0	1.4	11.2	12.3
24	2.5	3.1	2.9	8.7	2.3	2.5	1.6	1.45	8.4	1.35	8.0	11.8
25	2.5	3.9	2.9	7.3	2.5	2.6	1.4	2.2	5.8	1.25	7.3	10.2
26	2.7	4.1	2.9	5.6	2.8	2.4	1.55	1.6	2.4	1.4	6.2	6.7
27	2.7	6.9	2.9	4.1	4.9	2.2	1.3	1.65	1.85	1.25	4.8	4.6
28	2.6	7.3	2.8	3.8	2.3	5.6	1.9	1.35	4.6	1.45	3.6	4.4
29	2.6		2.8	3.7	2.6	7.4	3.9	1.3	7.8	1.5	3.9	5.0
30	2.5		2.7	3.5	2.5	4.5	4.2	1.15	4.8	1.55	3.8	9.2
31	2.5		2.7		2.9		3.8	.95		1.45		10.6

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Oconee River near Greensboro.—Continued.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1	7.4	13.4	4.2	4.6	5.5	2.95	2.25	1.7	3.8	2.1	3.6	2.5
2	6.6	14.2	4.0	4.5	4.9	2.75	2.2	1.7	3.4	1.95	3.2	2.45
3	5.6	11.3	4.2	4.2	4.6	2.75	3.1	1.95	3.2	1.9	2.95	2.55
4	4.2	6.4	4.0	4.0	4.3	3.1	4.8	3.3	3.4	1.9	2.85	2.45
5	5.6	5.4	4.0	3.9	4.1	3.2	5.1	2.95	5.5	1.85	4.6	2.55
6	6.1	4.7	3.9	4.8	4.1	2.95	9.0	3.5	3.8	1.85	5.0	2.55
7	8.4	4.3	3.8	4.6	4.8	2.6	10.8	7.0	4.1	1.9	3.8	3.0
8	8.8	4.2	3.8	4.5	5.0	2.65	8.2	9.0	4.1	2.5	3.2	4.8
9	6.7	4.2	3.7	4.0	5.0	2.55	6.0	9.4	3.2	2.9	3.2	5.4
10	5.3	7.2	3.6	3.9	4.2	2.45	6.0	8.9	3.0	4.7	3.2	4.2
11	7.2	11.2	3.6	4.2	3.8	2.9	4.3	8.3	2.75	5.4	2.95	3.4
12	12.2	11.8	4.0	4.0	3.6	3.8	3.6	3.0	2.55	4.1	2.9	3.0
13	12.1	11.8	4.0	3.4	3.4	3.4	3.1	2.7	2.5	3.1	2.55	3.3
14	10.7	9.1	3.8	3.5	3.5	3.4	2.85	2.6	2.55	2.35	3.1	2.95
15	7.2	10.9	3.5	8.5	3.4	5.4	2.6	2.25	2.45	2.25	3.9	2.85
16	5.2	13.2	3.5	8.8	3.4	4.7	2.6	2.25	2.45	2.1	4.2	2.75
17	4.7	13.6	3.4	12.5	3.4	3.9	2.45	2.2	2.35	2.05	3.3	2.85
18	4.4	11.2	3.4	12.2	3.4	4.0	2.55	2.7	2.35	1.95	3.0	2.85
19	4.2	8.8	3.4	7.2	4.2	2.95	2.45	4.6	2.35	1.9	2.95	2.8
20	4.0	7.6	3.4	6.4	4.2	2.75	2.25	4.0	2.35	2.1	2.75	2.85
21	3.7	6.3	5.6	5.4	3.6	2.85	2.1	3.6	2.35	2.15	2.6	4.8
22	3.6	5.5	6.7	4.7	3.4	9.8	2.0	3.8	2.35	2.2	2.55	10.2
23	3.5	5.2	13.8	4.8	3.2	3.9	1.95	4.8	2.15	2.45	2.6	13.6
24	3.5	4.8	14.7	5.0	3.1	3.6	1.85	7.2	2.25	2.35	2.5	13.2
25	3.4	5.2	16.8	7.6	3.7	3.0	1.95	17.1	2.3	2.85	2.55	8.8
26	3.3	5.0	16.8	9.7	3.2	3.0	2.15	32.8	2.2	2.6	2.55	7.4
27	3.4	4.6	13.2	13.2	3.1	3.5	2.05	29.6	2.35	2.6	2.45	4.4
28	3.5	4.4	7.2	15.2	3.4	3.2	2.15	18.6	2.45	5.0	2.55	3.9
29	3.2	4.3	6.4	12.2	3.4	2.8	2.7	9.7	2.3	6.8	2.45	3.6
30	3.3		5.8	6.8	3.9	2.5	2.4	4.6	2.25	5.4	2.55	3.8
31	3.4		4.9		3.4		2.05	4.3		4.5		3.8

Rating table for Oconee River near Greensboro, for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.80	345	2.70	970	5.20	2,120	17.00	10,590
.90	375	2.80	1,010	5.40	2,220	18.00	11,440
1.00	405	2.90	1,050	5.60	2,330	19.00	12,290
1.10	435	3.00	1,090	5.80	2,440	20.00	13,140
1.20	465	3.10	1,130	6.00	2,550	21.00	14,040
1.30	495	3.20	1,170	6.20	2,660	22.00	1,940
1.40	525	3.30	1,210	6.40	2,770	23.00	15,840
1.50	555	3.40	1,250	6.60	2,880	24.00	16,740
1.60	585	3.50	1,295	6.80	3,000	25.00	17,690
1.70	620	3.60	1,340	7.00	3,120	26.00	18,640
1.80	655	3.70	1,385	8.00	3,740	27.00	19,590
1.90	690	3.80	1,430	9.00	4,410	28.00	20,540
2.00	725	3.90	1,475	10.00	5,110	29.00	21,490
2.10	760	4.00	1,520	11.00	5,840	30.00	22,490
2.20	795	4.20	1,620	12.00	6,590	32.00	24,490
2.30	830	4.40	1,720	13.00	7,340	34.00	26,540
2.40	865	4.60	1,820	14.00	8,140	36.00	28,640
2.50	900	4.80	1,920	15.00	8,940		
2.60	935	5.00	2,020	16.00	9,740		

NOTE.—The above table is based on 18 discharge measurements made during 1903-1907 and is well defined between gage heights 0.8 foot and 11 feet. Above gage height 20 feet the rating curve is approximate.

WATER POWERS OF GEORGIA

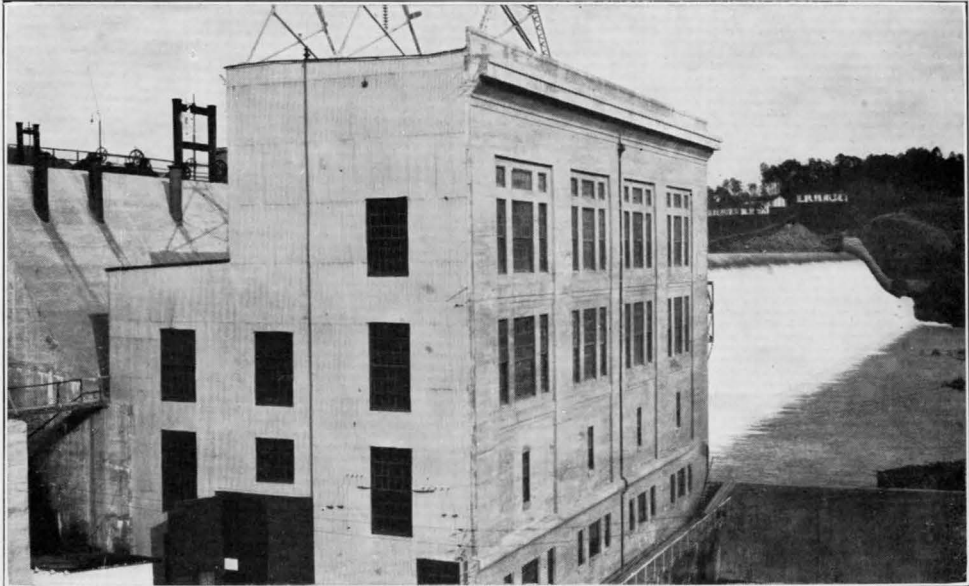
Daily discharge, in second feet, of Oconee River near Greensboro

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1		834	1,880	1,540	3,590	1,250	1,050	1,370	635	816	834	950
2		910	1,880	1,500	5,480	1,290	1,070	1,460	650	746	780	930
3		950	1,920	1,500	6,390	2,660	990	5,410	635	696	780	910
4		910	2,220	1,410	5,000	5,410	990	7,280	605	729	763	712
5		930	1,640	1,370	2,330	5,550	1,010	6,900	575	729	729	696
6		2,080	1,880	1,460	1,640	2,940	1,170	5,550	590	763	729	696
7		1,640	2,770	1,640	1,460	1,920	1,110	3,960	605	729	712	910
8		1,230	2,990	1,720	1,350	1,460	5,000	2,180	665	650	712	1,640
9		1,110	2,020	1,640	1,270	1,290	5,200	1,720	635	680	746	2,330
10		7,360	7,530	1,540	1,370	1,190	4,870	1,540	665	635	746	1,370
11		8,840	8,030	1,350	1,540	1,190	3,110	1,410	746	665	798	1,150
12		6,900	9,380	1,270	1,350	1,310	1,640	1,210	665	635	746	990
13		4,020	10,500	1,290	1,150	1,290	1,330	1,090	605	680	763	1,640
14		4,740	9,850	1,370	1,110	1,230	2,330	1,190	635	852	746	2,020
15		4,350	9,380	1,330	1,110	1,460	1,640	1,150	650	5,130	763	1,820
16		5,000	7,730	1,230	1,050	2,280	1,540	1,410	1,010	6,110	763	1,540
17		4,870	4,420	1,190	665	2,600	1,460	1,150	3,050	3,770	763	1,270
18		3,230	2,440	1,190	665	2,120	1,370	1,090	2,770	1,460	746	970
19		2,600	2,120	1,150	665	1,720	990	950	2,660	1,210	746	1,030
20		2,990	2,220	1,130	2,880	1,190	910	930	1,640	1,010	712	1,170
21	1,410	2,820	4,350	1,150	3,050	1,110	910	1,110	1,370	1,010	680	1,070
22	1,330	2,380	3,830	1,150	2,330	1,150	890	729	1,210	1,210	910	950
23	1,270	6,980	2,720	3,350	1,920	1,350	1,030	763	1,110	1,210	780	930
24	1,230	8,630	1,920	1,820	1,640	1,720	1,370	746	3,110	950	910	1,190
25	1,210	7,880	2,550	1,540	1,330	1,370	1,230	712	2,770	890	834	1,350
26	1,230	5,550	4,420	1,540	1,270	1,190	950	729	1,820	852	729	1,590
27	1,130	2,880	2,440	1,540	1,350	2,020	970	712	1,410	816	696	1,460
28	1,070	2,020	2,120	2,120	1,920	1,370	910	680	930	798	712	1,230
29	1,070		2,380	2,440	2,720	1,370	1,460	665	871	780	696	1,090
30	1,070		2,120	2,220	1,410	1,150	1,640	696	910	763	798	890
31	871		1,640		1,290		1,410	635		746		852
1910												
1	951	1,460	9,300	1,050	856	764	8,000	764	2,820	932	524	556
2	951	1,270	10,500	1,030	818	692	10,000	764	3,900	875	556	524
3	932	1,250	8,180	932	800	732	9,400	710	2,600	710	524	476
4	875	1,290	3,470	951	764	1,050	7,800	710	2,220	606	540	508
5	875	1,230	2,180	951	746	1,170	5,400	1,110	1,410	572	508	657
6	856	1,090	1,920	913	728	1,350	3,650	1,070	837	524	540	2,600
7	1,010	1,010	1,720	913	692	1,250	3,170	1,070	800	606	508	2,660
8	856	990	1,540	837	1,250	1,070	4,020	1,350	728	2,180	540	1,540
9	990	1,030	1,460	837	1,130	837	5,830	1,150	728	1,980	540	1,270
10	990	1,030	1,460	764	1,070	818	4,420	875	913	1,680	508	1,010
11	894	1,070	1,540	764	913	875	2,440	782	875	1,070	524	875
12	894	1,500	1,720	764	932	2,440	1,920	692	800	913	524	800
13	875	1,460	1,780	951	875	2,440	1,780	657	728	818	492	728
14	875	1,270	1,720	932	728	3,590	1,540	657	640	674	524	640
15	875	1,230	1,290	1,050	728	4,220	1,370	640	623	674	524	623
16	837	1,130	1,270	1,680	728	4,020	1,460	556	589	640	524	640
17	837	1,290	1,150	4,610	728	2,770	1,270	556	524	640	540	623
18	818	4,610	1,150	3,830	818	1,680	1,190	657	524	657	540	657
19	875	5,270	1,130	2,220	970	1,230	1,170	710	492	556	540	692
20	856	5,000	1,110	1,590	1,370	1,070	1,150	710	492	476	508	674
21	1,370	2,660	1,190	1,330	1,880	1,370	1,110	623	556	524	524	640
22	1,410	3,350	1,190	1,210	1,640	2,440	1,050	606	524	524	524	657
23	1,310	2,550	1,150	1,070	1,540	1,590	1,070	589	746	476	524	710
24	1,460	5,550	1,170	990	1,640	1,130	970	524	1,090	476	540	764
25	1,500	5,900	1,130	913	2,330	1,050	913	657	1,500	492	556	800
26	1,270	3,350	1,110	1,010	2,080	875	970	589	764	492	556	818
27	2,880	2,020	1,050	951	1,290	800	913	556	657	492	508	800
28	5,270	3,290	1,050	951	1,030	800	894	540	640	552	556	710
29	5,340		1,110	932	875	875	875	540	782	508	589	764
30	2,770		1,070	875	837	5,410	818	1,110	951	524	606	837
31	1,920		1,010		818		782	2,550		508		800

NOTE.—These discharges were obtained from a rating curve which is fairly well defined below 6,000 second-feet.



POWER PLANT AND DAM, NORTH HIGHLANDS DEVELOPMENT, COLUMBUS POWER COMPANY, CHATTAHOOCHEE RIVER NEAR COLUMBUS, GEORGIA.



DAM AND POWER PLANT, GOAT ROCK DEVELOPMENT, COLUMBUS POWER COMPANY, CHATTAHOOCHEE RIVER NEAR COLUMBUS, GEORGIA.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Oconee River near Greensboro—continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	785	647	802	908	942	446	432	550	490	326	1,110	680
2	820	614	802	768	978	446	432	4,940	432	228	890	680
3	995	647	802	768	890	432	432	5,000	404	404	785	680
4	3,110	630	732	855	802	432	490	5,130	582	404	647	614
5	2,220	664	698	1,210	768	446	1,980	5,690	582	301	566	550
6	1,250	647	698	2,330	768	404	1,920	4,540	680	240	785	550
7	1,010	732	715	1,820	732	418	1,360	2,440	550	194	3,590	550
8	978	768	475	1,920	715	404	1,070	1,720	490	172	3,960	550
9	942	925	404	5,000	698	418	855	1,230	432	614	5,970	550
10	890	1,250	750	5,270	647	391	614	960	378	1,110	5,970	550
11	872	1,170	715	3,410	598	339	582	750	378	550	4,480	614
12	838	2,120	630	3,470	598	378	432	647	404	855	1,780	550
13	802	1,820	698	3,590	630	391	2,280	550	432	614	1,110	647
14	768	1,340	698	3,230	1,030	391	4,280	614	432	550	1,110	750
15	750	1,150	647	2,940	647	365	2,660	614	432	378	820	785
16	732	1,050	630	2,220	566	301	4,480	1,190	432	432	890	820
17	732	978	614	1,680	566	314	4,870	925	404	680	890	960
18	698	908	566	1,300	566	301	3,900	1,110	172	3,590	890	1,030
19	664	872	598	1,250	566	664	1,720	1,190	432	2,330	715	1,150
20	664	1,050	698	1,210	566	1,090	1,280	820	432	1,360	614	1,500
21	630	1,090	802	1,170	582	802	1,540	582	432	1,070	750	2,550
22	630	1,110	732	1,130	582	698	1,920	490	490	2,220	680	4,870
23	715	978	630	1,050	664	647	1,110	432	550	3,110	680	8,480
24	647	890	598	960	1,320	446	1,070	460	614	1,320	680	9,530
25	664	838	582	908	1,360	418	1,360	432	404	960	680	8,100
26	664	768	680	908	1,070	446	1,540	490	432	750	680	5,410
27	664	802	2,660	890	664	550	855	614	432	1,720	680	3,830
28	647	802	1,980	925	630	404	614	490	432	2,550	680	2,770
29	664	---	1,320	942	598	391	550	490	432	1,110	750	1,820
30	664	---	1,110	942	566	418	490	490	378	785	750	2,020
31	647	---	942	---	446	---	490	490	---	820	---	2,120
1912												
1	2,220	4,350	2,770	4,540	1,640	2,180	1,820	1,110	750	960	2,020	820
2	2,180	2,940	1,920	2,660	1,680	1,820	1,500	1,190	680	890	1,190	820
3	2,120	2,020	2,020	2,120	1,540	1,410	2,220	1,030	582	715	960	750
4	2,180	1,460	2,440	1,820	1,920	1,780	1,920	995	550	750	890	855
5	1,460	1,360	2,550	1,780	2,880	2,770	2,020	960	520	2,020	890	960
6	1,540	1,280	3,590	1,720	2,770	3,110	2,220	890	550	1,920	960	855
7	1,320	1,190	5,000	1,640	3,110	4,870	1,920	890	614	1,590	1,780	890
8	1,540	1,110	3,710	1,640	3,110	3,410	1,820	960	680	1,230	1,280	820
9	2,770	1,030	2,770	1,540	2,330	2,440	2,280	1,280	715	1,070	1,110	715
10	2,440	960	2,220	1,500	1,720	1,540	4,350	2,020	820	960	890	785
11	1,820	1,070	1,820	1,540	1,540	1,280	3,230	3,710	925	750	820	960
12	1,640	1,150	2,280	1,460	1,460	1,190	6,110	3,110	855	550	890	960
13	1,540	1,110	2,020	1,360	1,460	1,070	8,330	2,380	820	490	1,150	890
14	1,540	2,550	1,980	1,280	1,320	3,110	7,430	1,280	1,110	550	1,150	855
15	1,410	4,610	10,500	1,320	1,190	7,200	5,270	1,110	2,880	647	1,030	820
16	1,190	6,390	18,600	3,830	1,360	11,900	2,940	1,030	2,550	750	995	820
17	1,110	5,760	16,700	4,870	1,280	12,000	2,330	960	2,220	820	960	820
18	1,190	3,770	12,600	5,620	1,190	7,280	2,770	960	2,020	1,280	925	820
19	1,280	2,820	7,580	4,680	1,190	2,880	3,470	1,360	1,460	1,460	890	890
20	1,360	3,960	3,110	3,350	1,110	1,820	3,110	1,360	995	1,680	820	820
21	1,280	4,870	2,440	3,110	1,070	1,680	2,940	1,190	820	1,680	925	820
22	1,230	5,550	2,220	4,350	1,110	1,410	2,660	1,030	855	1,460	820	820
23	1,190	4,090	2,080	6,460	1,110	1,320	2,220	890	1,410	1,360	855	890
24	1,030	4,350	2,440	6,110	1,110	1,190	2,080	820	5,620	1,190	820	1,540
25	1,030	5,000	3,350	5,270	1,030	3,230	1,820	1,110	5,410	1,030	785	1,920
26	1,030	4,740	2,720	2,940	995	4,870	1,540	1,150	3,230	925	750	1,360
27	960	5,760	2,220	1,920	960	5,970	1,190	1,030	1,190	855	820	1,190
28	1,280	5,620	2,120	1,920	2,080	5,270	1,110	960	1,500	785	1,590	1,110
29	2,660	3,350	5,200	2,080	1,720	3,230	1,110	890	2,120	715	1,540	1,110
30	4,350	---	7,130	1,820	3,710	1,780	1,030	855	1,110	680	890	1,110
31	4,480	---	6,830	---	3,530	---	960	785	---	820	---	1,110

NOTE.—Daily discharge computed from a rating curve well defined below 6,000 second-feet.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Oconee River near Greensboro—Continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1913												
1	1,160	1,900	5,480	2,000	1,040	1,160	755	1,080	479	2,050	720	1,080
2	1,120	1,330	6,530	1,750	1,000	1,080	790	1,000	479	1,700	650	1,080
3	965	1,040	4,090	1,700	965	2,200	720	1,240	534	1,330	650	860
4	860	1,120	2,630	1,600	965	1,280	590	1,330	825	1,000	620	790
5	1,000	1,600	2,050	1,600	930	1,120	965	790	685	720	534	755
6	1,000	2,000	1,950	1,510	965	1,330	1,420	650	1,160	650	534	790
7	895	1,700	1,420	1,460	1,000	1,380	790	790	1,040	590	534	720
8	825	1,380	1,420	1,330	1,000	1,800	590	2,410	790	590	685	562
9	790	1,240	1,330	1,330	965	4,220	620	2,000	562	590	860	590
10	965	1,160	1,460	1,240	1,000	4,940	479	825	534	620	790	720
11	965	1,200	1,900	3,100	1,000	2,200	479	1,240	479	534	720	720
12	895	1,330	3,960	6,350	895	1,420	534	720	930	534	650	720
13	860	1,240	5,340	4,480	720	1,000	790	720	426	534	590	790
14	790	1,240	7,920	2,980	650	790	930	825	400	534	506	860
15	790	1,420	14,000	2,520	620	755	790	755	426	534	479	790
16	860	1,330	22,600	2,000	650	650	685	825	426	506	506	755
17	860	1,240	15,200	1,510	860	620	534	720	479	479	534	755
18	930	1,240	10,100	1,420	1,000	650	479	562	1,160	562	534	755
19	860	1,510	5,860	1,380	1,240	930	790	534	3,220	650	590	720
20	860	1,510	4,090	1,330	1,420	790	930	479	2,200	1,200	590	650
21	790	3,640	4,280	1,240	1,160	685	1,160	479	1,600	1,600	650	790
22	790	3,400	4,740	1,160	1,000	720	1,330	479	1,160	1,080	620	720
23	860	3,100	3,580	1,120	1,200	720	1,420	534	1,000	1,080	562	930
24	2,580	2,520	2,150	1,080	1,240	930	790	1,420	790	1,600	534	1,000
25	7,300	2,000	1,800	1,080	1,330	685	895	1,750	650	2,200	590	1,040
26	3,340	1,700	1,600	1,080	1,240	650	1,240	930	534	1,600	620	1,240
27	3,520	1,800	4,870	1,160	965	720	2,000	650	534	1,000	534	1,160
28	6,720	1,850	3,640	1,160	860	720	1,600	590	462	860	479	1,160
29	10,600	-----	3,960	1,080	790	720	1,160	534	650	825	534	2,100
30	8,370	-----	5,780	1,040	720	790	1,160	534	2,200	790	590	5,560
31	4,220	-----	3,100	-----	720	-----	1,240	534	-----	720	-----	5,860

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1914						1914					
1	-----	582	487	425	395	16	716	647	518	901	456
2	-----	647	518	582	395	17	647	614	487	825	518
3	-----	647	518	1,020	550	18	550	518	788	716	518
4	-----	788	582	716	788	19	550	582	863	716	518
5	-----	716	1,300	614	647	20	518	518	940	716	825
6	-----	1,660	863	487	582	21	647	550	863	681	980
7	-----	1,510	901	487	456	22	550	550	681	716	681
8	-----	1,100	716	456	425	23	582	518	487	980	518
9	-----	788	716	487	395	24	582	518	487	863	456
10	788	752	681	518	395	25	456	487	456	752	592
11	716	788	681	863	395	26	518	518	338	681	487
12	825	863	647	1,180	456	27	681	518	310	582	456
13	825	752	582	1,260	425	28	716	518	395	518	456
14	716	716	518	2,210	456	29	550	716	582	582	487
15	614	647	487	2,010	395	30	582	647	456	647	518
						31	487	-----	366	395	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Oconee River near Greensboro—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-15												
1	456	614	7,660	4,070	2,210	1,810	1,060	647	1,560	1,380	230	487
2	518	647	8,460	3,330	4,850	1,660	1,060	647	1,860	1,140	180	425
3	2,910	582	6,090	2,160	4,260	1,460	1,060	681	1,760	825	395	366
4	4,070	518	4,660	1,260	2,730	1,560	1,060	681	1,460	825	752	425
5	3,510	518	9,830	1,560	2,210	2,850	1,060	681	1,020	1,960	518	366
6	2,110	518	11,100	3,090	2,160	4,590	1,020	681	901	2,260	456	366
7	1,340	518	10,900	4,330	1,910	4,070	1,060	1,140	825	1,460	366	425
8	1,020	582	5,600	3,810	1,860	3,330	980	4,850	980	1,060	310	425
9	825	940	2,670	2,790	1,660	2,210	901	3,450	1,860	901	310	425
10	681	1,180	1,860	2,060	1,560	1,960	901	2,060	1,220	1,220	550	425
11	582	1,060	1,380	1,860	1,420	1,660	901	1,560	980	1,180	980	395
12	518	940	1,220	3,270	1,300	1,460	901	3,090	901	980	1,380	366
13	487	752	1,300	2,730	1,300	1,420	901	4,720	825	716	901	366
14	582	863	1,560	2,260	1,300	1,380	901	6,360	752	582	614	425
15	1,810	2,970	1,560	1,660	1,380	1,340	825	5,110	681	614	1,300	716
16	9,180	5,600	1,340	1,460	1,300	1,300	825	2,490	752	980	2,160	425
17	15,600	4,850	1,140	1,860	1,300	1,260	825	1,860	901	716	2,550	395
18	10,900	2,910	1,100	4,780	1,220	1,220	825	1,380	681	518	1,660	366
19	3,150	2,210	1,060	8,220	1,260	1,260	788	1,220	681	425	1,180	366
20	1,510	1,910	980	6,090	1,220	1,220	788	1,020	681	395	980	395
21	1,180	1,660	1,140	3,270	1,300	1,180	788	940	614	425	1,560	425
22	940	1,260	1,300	1,960	1,300	1,140	752	863	614	366	1,220	425
23	825	1,060	1,300	1,760	1,340	1,060	752	825	614	425	825	366
24	788	901	1,140	2,060	2,210	1,060	752	901	550	487	614	395
25	788	752	1,560	3,450	3,630	1,060	716	1,220	487	425	518	366
26	716	716	3,090	3,570	2,910	1,060	716	1,140	518	425	425	338
27	647	752	4,070	2,970	2,110	1,020	716	901	487	487	425	338
28	582	788	3,450	2,210	1,960	1,060	681	863	487	487	456	310
29	582	1,460	3,450	1,710	-----	1,060	681	863	550	456	425	366
30	582	5,920	4,780	1,460	-----	1,020	647	901	681	425	681	425
31	582	-----	4,330	1,300	-----	1,060	-----	1,220	-----	310	518	-----
1915-16												
1	550	716	681	11,300	1,300	1,460	825	550	550	550	1,060	283
2	1,220	614	614	5,920	5,040	3,030	752	550	487	487	5,840	310
3	863	614	582	2,850	6,450	3,510	752	487	395	647	5,840	395
4	614	614	550	1,510	3,570	2,370	752	487	487	1,140	2,370	550
5	1,660	550	582	1,300	2,310	1,380	716	487	647	901	1,760	425
6	3,940	550	550	1,340	1,760	1,260	681	487	550	614	1,260	366
7	2,970	550	550	1,300	1,380	1,140	825	456	1,300	1,560	2,010	366
8	1,300	647	550	1,220	1,220	3,450	980	456	863	1,510	1,960	338
9	716	614	550	1,140	1,060	3,330	901	456	614	2,730	1,960	366
10	681	550	487	1,100	1,220	1,660	825	456	456	4,720	1,860	425
11	614	518	582	1,140	1,060	1,340	681	425	338	5,840	1,610	456
12	614	614	1,220	1,140	1,020	1,220	752	366	395	7,230	980	425
13	582	614	1,300	1,460	1,100	1,140	716	425	647	6,450	863	456
14	614	681	1,100	1,660	1,140	1,100	681	425	518	3,450	1,220	366
15	2,850	752	681	1,760	1,060	1,020	647	425	681	2,490	980	825
16	4,140	681	647	1,380	980	980	647	425	681	3,690	863	1,220
17	1,380	614	681	1,300	901	901	901	425	901	4,460	647	716
18	901	681	4,330	1,180	901	901	901	425	681	5,530	614	582
19	1,060	901	8,460	1,020	825	863	863	395	518	6,540	582	425
20	1,960	1,420	15,700	901	825	825	752	338	366	5,180	614	366
21	3,750	1,220	12,600	901	825	825	681	256	425	3,810	550	395
22	6,730	825	5,920	980	681	825	681	310	425	3,030	518	310
23	8,700	614	1,710	1,140	788	788	647	980	425	3,810	487	310
24	9,700	614	1,300	1,660	1,510	788	614	1,300	487	5,840	487	310
25	3,450	582	1,260	901	1,610	752	614	1,660	366	5,560	456	310
26	1,610	825	1,220	901	1,260	825	614	1,060	582	4,070	425	283
27	1,060	1,300	1,140	1,260	1,020	980	550	681	614	1,760	425	256
28	1,020	1,180	980	980	901	940	550	550	425	1,460	425	338
29	863	1,060	5,110	901	2,310	901	550	518	338	1,380	425	901
30	825	752	10,700	940	-----	901	550	614	338	3,030	338	788
31	752	-----	13,300	901	-----	825	-----	614	-----	1,220	256	-----

WATER POWERS OF GEORGIA

Daily discharge, in second feet of Oconee River, near Greensboro—Continued..

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-1917												
1	395	614	940	752	2,160	1,460	2,120	960	890	550	490	3,650
2	366	582	681	752	3,390	2,370	1,980	960	890	550	750	1,500
3	366	518	550	681	3,030	4,400	1,820	890	820	550	1,110	1,190
4	366	487	550	647	1,710	7,030	1,640	855	750	550	1,280	820
5	366	456	425	716	1,300	11,800	6,540	1,360	715	995	855	896
6	487	518	456	716	1,660	12,700	10,900	1,110	647	550	614	890
7	366	487	582	752	825	10,500	9,620	1,110	550	432	680	582
8	283	487	487	681	901	8,620	7,100	1,190	582	432	4,090	432
9	310	456	980	614	940	2,120	2,880	1,030	614	490	2,880	715
10	366	487	1,140	614	901	2,020	2,280	960	820	404	1,780	1,880
11	338	487	980	550	752	1,720	1,920	890	960	490	1,030	1,360
12	310	518	752	550	863	1,590	1,820	890	820	432	750	925
13	283	487	788	550	681	2,120	1,640	855	614	490	680	550
14	283	582	752	518	582	1,920	1,640	820	550	460	1,540	404
15	310	550	681	681	752	1,500	1,640	820	490	326	1,460	378
16	338	487	614	1,660	681	1,360	1,500	750	490	432	2,550	314
17	425	487	550	2,160	681	2,360	1,360	750	520	404	2,080	378
18	366	425	614	1,819	1,140	1,640	1,280	750	490	490	1,360	460
19	681	425	752	1,420	2,970	1,540	1,190	750	550	1,030	820	432
20	1,660	425	681	1,220	6,360	1,280	1,190	750	550	820	785	352
21	1,380	456	752	980	8,820	1,460	1,150	750	1,360	1,280	820	432
22	752	487	681	980	9,700	4,160	1,280	750	820	960	680	1,110
23	518	487	614	1,260	9,830	3,960	1,360	855	1,280	1,280	614	820
24	456	518	550	2,490	5,680	5,410	1,150	2,120	820	1,110	582	614
25	456	487	550	2,550	5,680	7,700	1,110	1,320	520	680	490	460
26	456	487	550	2,110	6,180	8,980	1,030	1,030	490	995	326	432
27	366	518	550	1,300	3,450	10,700	960	890	490	582	326	378
28	338	518	550	980	2,060	13,400	960	1,070	490	820	432	1,360
29	310	582	752	1,060	-----	10,900	960	1,030	550	550	352	4,480
30	425	647	1,180	1,380	-----	7,100	960	1,110	1,540	550	326	6,000
31	647	-----	825	1,220	-----	3,350	-----	820	-----	614	750	-----
1917-1918												
1	2,330	890	520	432	7,500	925	582	1,150	352	1,110	1,920	1,110
2	1,280	520	490	314	3,470	890	750	1,110	404	890	3,590	550
3	715	614	490	490	2,550	855	750	960	352	680	4,480	460
4	680	490	490	550	2,020	925	614	820	550	520	5,130	432
5	550	490	490	582	1,720	1,280	582	750	490	314	6,180	750
6	520	490	550	490	1,640	995	715	715	404	378	2,550	1,920
7	460	490	550	614	1,500	960	550	785	1,540	378	995	1,150
8	490	550	550	820	1,460	960	1,150	785	960	460	890	890
9	614	490	490	715	1,280	890	2,120	1,110	520	1,920	820	647
10	680	490	520	614	1,190	890	1,820	2,440	647	460	820	550
11	520	490	490	614	1,230	890	1,230	1,070	820	432	582	550
12	614	432	520	4,220	1,150	890	1,110	855	614	432	785	520
13	550	614	520	4,740	1,190	820	960	820	582	326	995	432
14	404	750	460	4,870	1,190	820	890	1,070	490	228	680	432
15	404	680	490	4,220	1,190	820	890	1,030	490	252	680	352
16	378	680	490	4,220	1,030	820	855	855	404	276	582	288
17	432	550	550	4,220	1,150	750	820	750	550	314	432	404
18	432	550	490	1,920	1,280	890	960	750	750	314	378	404
19	490	490	490	1,460	1,230	890	995	550	614	614	352	404
20	750	750	550	1,110	1,360	820	890	855	490	2,550	520	432
21	750	647	550	1,110	1,320	995	890	785	582	2,080	404	680
22	614	614	582	1,190	1,230	1,110	960	715	550	1,280	432	614
23	520	550	550	2,120	1,070	960	890	715	378	960	432	520
24	550	550	432	2,220	1,030	1,720	785	680	680	1,720	432	550
25	460	550	614	1,920	1,030	1,190	750	647	460	2,660	378	550
26	460	404	614	1,820	1,030	890	890	404	1,820	1,540	352	520
27	582	432	750	1,680	960	820	1,030	582	1,360	1,320	326	432
28	490	490	582	1,590	925	820	1,030	680	890	925	520	490
29	550	490	614	4,610	-----	785	1,030	614	550	1,680	680	264
30	820	550	432	5,840	-----	750	1,110	432	614	2,280	890	288
31	1,320	-----	404	7,700	-----	550	-----	378	-----	3,830	995	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Oconee River near Greensboro.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-19												
1	1.0	9.4	9.4	3.9	4.5	7.5	3.6	2.8	2.4	3.4	3.2	3.4
2	1.2	7.6	5.6	5.3	4.1	6.0	3.4	2.9	2.3	3.0	3.3	3.6
3	1.4	5.0	4.3	10.8	4.1	5.3	3.4	3.0	2.2	2.8	4.2	2.6
4	.95	3.5	3.6	10.0	4.7	5.0	3.4	2.8	2.2	2.6	3.4	2.2
5	1.2	3.0	3.2	6.7	4.9	5.0	3.4	2.7	2.4	2.3	3.9	2.1
6	.45	2.8	3.1	5.3	4.4	8.4	3.6	3.3	2.6	2.4	4.0	2.0
7	.7	2.6	3.0	4.4	4.0	7.4	3.6	4.1	2.2	2.6	3.3	1.6
8	1.2	2.4	2.8	4.4	3.8	5.8	3.4	3.8	1.9	2.8	3.4	1.8
9	.8	2.5	3.0	4.4	3.7	10.8	3.4	3.9	2.1	10.2	6.0	2.0
10	.9	2.0	3.0	4.0	3.7	14.8	3.2	3.4	2.0	13.6	5.4	2.2
11	.9	2.3	2.6	3.8	3.5	16.3	3.6	2.9	2.0	19.4	3.8	1.8
12	.95	2.3	2.4	3.5	3.2	14.6	4.2	2.9	2.4	19.6	6.7	2.4
13	.8	2.4	2.1	3.6	3.8	7.2	3.6	2.7	2.2	11.2	4.0	2.2
14	1.0	1.8	3.0	3.4	5.6	5.6	3.3	3.2	2.8	4.4	3.0	2.2
15	1.2	1.8	10.5	3.4	5.0	5.0	3.2	3.4	2.3	4.2	2.8	1.8
16	.95	2.0	10.2	3.2	4.2	4.8	3.8	2.9	2.1	5.0	3.1	1.8
17	1.1	7.6	5.8	3.5	3.8	4.8	4.0	3.0	2.0	5.4	2.6	1.8
18	1.0	3.4	5.0	5.8	3.6	6.0	3.8	2.4	3.2	8.0	2.6	1.1
19	1.0	3.5	5.0	6.0	3.7	5.8	3.4	2.5	2.8	9.7	2.4	1.4
20	.75	3.1	3.4	5.2	3.5	4.8	3.2	2.5	2.2	11.4	2.1	3.0
21	1.0	2.6	4.6	4.4	4.0	4.4	3.2	2.6	2.0	11.9	2.2	2.8
22	2.0	2.4	13.0	3.6	7.0	4.2	3.0	3.4	1.8	11.0	2.9	6.2
23	1.8	2.2	19.5	3.8	11.5	4.0	2.8	2.7	9.1	7.8	6.2	5.2
24	1.6	2.0	20.4	8.0	13.6	4.0	2.8	2.5	8.7	6.5	5.2	3.1
25	10.4	2.4	18.6	9.6	13.4	4.0	2.8	2.4	9.6	7.5	5.0	2.1
26	14.0	2.6	14.4	11.8	12.6	3.8	2.6	2.4	11.0	9.1	4.8	2.1
27	14.8	2.4	8.1	11.4	11.0	3.9	2.6	2.4	11.0	5.8	2.9	1.7
28	10.2	7.2	5.7	11.8	7.1	4.2	2.8	2.4	11.8	4.5	2.5	1.7
29	5.8	11.9	4.6	7.7	---	4.0	2.6	2.4	11.7	3.8	2.4	1.8
30	5.3	12.2	4.4	5.8	---	3.7	2.6	2.6	5.1	3.4	2.8	1.8
31	8.2	---	4.0	4.9	---	3.7	---	2.6	---	3.8	4.0	---
1919-20												
1	1.6	2.7	4.2	3.4	5.5	4.4	11.8	5.4	3.7	3.0	2.4	4.1
2	1.7	2.8	3.4	3.4	5.1	4.3	11.9	4.9	3.6	2.8	2.9	3.2
3	1.8	3.1	2.6	3.2	7.8	4.0	15.7	8.7	3.6	2.8	2.8	5.0
4	2.2	2.8	2.5	3.0	10.6	4.2	16.0	8.8	3.6	2.8	3.0	4.9
5	1.9	2.6	2.4	3.0	11.3	5.8	13.8	6.2	4.0	3.0	2.6	4.0
6	1.8	2.5	2.4	3.0	8.2	5.4	10.2	5.4	4.7	2.8	2.4	4.6
7	1.7	2.4	3.0	3.1	6.8	4.4	7.2	5.1	4.8	3.1	2.8	5.4
8	2.1	2.2	15.7	4.5	5.6	4.2	6.4	4.8	3.7	4.8	2.3	4.2
9	8.3	2.2	20.8	5.0	5.1	4.0	6.4	4.7	3.6	4.1	5.8	9.0
10	7.3	2.2	25.9	4.4	4.8	3.9	8.4	4.6	3.5	3.4	7.4	12.2
11	4.2	2.2	29.6	4.0	4.7	4.0	8.8	4.4	3.3	3.8	9.8	13.0
12	2.7	3.0	25.8	3.6	4.8	4.2	7.0	4.4	3.3	3.6	10.3	10.4
13	2.6	4.2	19.4	3.6	9.0	11.5	6.4	6.8	3.0	4.4	8.3	4.3
14	2.4	3.6	14.6	3.4	9.4	14.4	5.8	11.9	3.0	4.0	5.0	3.6
15	2.2	3.0	10.4	3.2	6.4	15.8	5.6	15.2	3.0	5.4	7.7	3.4
16	2.5	2.6	6.5	3.5	5.4	8.8	5.3	13.3	3.0	5.2	9.8	3.2
17	4.1	2.6	5.5	5.2	4.8	11.4	5.4	6.0	2.9	4.6	8.4	10.1
18	4.4	2.4	5.0	4.6	4.6	16.2	5.1	5.2	2.9	4.0	11.8	4.0
19	4.0	2.5	4.8	4.0	4.6	13.8	5.0	5.8	3.6	6.4	9.7	3.1
20	4.1	2.4	4.8	3.8	4.4	12.4	5.0	5.4	3.2	6.1	10.1	3.1
21	2.8	2.4	4.9	3.6	4.2	12.2	6.0	5.1	5.4	7.5	9.3	2.9
22	2.6	2.3	4.6	3.6	4.8	8.4	9.8	4.8	6.3	5.1	5.1	2.8
23	4.4	2.1	4.6	3.4	8.6	6.8	10.5	4.4	4.2	4.0	4.7	2.8
24	10.4	2.4	4.0	3.4	8.8	5.8	7.6	4.4	3.5	3.4	4.0	2.6
25	10.4	2.4	3.8	7.7	6.4	5.3	5.4	5.8	6.2	3.0	3.6	2.9
26	6.3	2.4	3.8	12.6	5.4	8.4	5.0	4.9	5.4	3.0	3.4	3.0
27	4.3	2.3	3.8	15.9	4.7	11.6	6.8	4.6	3.8	2.9	3.8	2.8
28	3.1	2.4	3.6	18.8	4.4	11.4	10.6	4.2	3.4	2.6	4.2	2.6
29	3.2	2.4	3.6	14.4	4.4	14.7	11.8	4.0	3.2	2.6	4.2	3.0
30	2.8	2.7	3.4	8.8	---	18.1	7.6	3.8	3.0	2.6	4.0	4.2
31	2.6	---	3.4	6.5	---	16.2	---	3.8	---	2.5	---	---

WATER POWERS OF GEORGIA

Monthly discharge of Oconee River near Greensboro.

[Drainage area, 1,100 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January.....	4,410	900	1,340	1.22	1.41	A.
February.....	5,990	1,050	1,970	1.79	1.86	A.
March.....	5,990	970	1,890	1.72	1.98	A.
April.....	4,620	795	1,590	1.45	1.62	A.
May.....	1,970	830	1,080	.982	1.13	A.
June.....	3,480	655	1,190	1.08	1.20	A.
July.....	1,620	495	879	.799	.92	A.
August.....	2,120	390	828	.753	.87	A.
September.....	4,000	345	1,070	.973	1.09	A.
October.....	1,030	450	582	.529	.61	A.
November.....	5,990	480	1,440	1.31	1.46	A.
December.....	6,820	865	2,240	2.04	2.35	A.
The year.....	6,820	345	1,340	1.22	16.50	
1908						
January.....	6,740	1,170	2,480	2.25	2.59	A.
February.....	8,300	1,620	3,920	3.56	3.84	A.
March.....	10,400	1,250	2,870	2.61	3.01	A.
April.....	9,100	1,250	3,110	2.83	3.16	A.
May.....	2,280	1,130	1,480	1.35	1.56	A.
June.....	4,970	882	1,320	1.20	1.34	A.
July.....	5,690	672	1,440	1.31	1.51	A.
August.....	25,300	620	3,940	3.58	4.13	B.
September.....	2,080	665	920	.836	.93	A.
October.....	2,770	575	972	.884	1.02	A.
November.....	1,820	763	1,010	.918	1.02	A.
December.....	7,280	763	1,770	1.61	1.86	A.
The year.....	25,300	575	2,100	1.91	25.97	
1909						
January.....		871	1,230	1.12	1.29	A.
February.....	8,480	834	3,720	3.38	3.52	A.
March.....	10,500	1,640	3,980	3.62	4.17	A.
April.....	3,350	1,130	1,560	1.42	1.58	A.
May.....	6,390	665	2,010	1.83	2.11	A.
June.....	5,550	1,110	1,840	1.67	1.86	A.
July.....	5,200	890	1,630	1.48	1.71	A.
August.....	7,280	635	1,840	1.67	1.92	A.
September.....	3,110	575	1,210	1.10	1.23	A.
October.....	6,110	635	1,250	1.14	1.31	A.
November.....	910	680	761	.692	.77	A.
December.....	2,330	696	1,200	1.09	1.26	A.
The year.....	10,500	575	1,850	1.68	22.73	
1910						
January.....	5,340	818	1,430	1.30	1.50	A.
February.....	5,900	990	2,290	2.08	2.17	A.
March.....	10,500	1,010	2,190	1.99	2.29	A.
April.....	4,610	764	1,260	1.15	1.28	A.
May.....	2,330	692	1,080	.982	1.13	A.
June.....	5,410	692	1,680	1.53	1.71	A.
July.....	10,000	782	2,820	2.56	2.95	B.
August.....	2,550	524	809	.735	.85	A.
September.....	3,900	492	1,050	.955	1.07	A.
October.....	2,180	476	753	.685	.79	A.
November.....	606	492	534	.485	.54	A.
December.....	2,660	476	873	.794	.92	A.
The year.....	10,500	476	1,890	1.26	17.20	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Oconee River near Greensboro.—Continued.

[Drainage area, 1,100 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1911						
January	3,110	630	894	0.813	0.94	A.
February	2,120	614	974	.885	.92	A.
March	2,660	404	821	.746	.86	A.
April	5,270	768	1,830	1.66	1.85	A.
May	1,360	446	734	.667	.77	A.
June	1,090	301	466	.424	.47	A.
July	4,870	432	1,540	1.40	1.61	A.
August	5,690	432	1,490	1.35	1.56	A.
September	680	172	452	.411	.46	A.
October	3,590	172	1,040	.945	1.09	A.
November	5,970	566	1,490	1.35	1.51	A.
December	9,530	550	2,140	1.95	2.25	A.
The year	9,530	172	1,160	1.05	14.29	
1912						
January	4,480	960	1,750	-----	-----	A.
February	6,390	960	3,250	-----	-----	A.
March	18,600	1,820	4,680	-----	-----	B.
April	6,460	1,280	2,880	-----	-----	A.
May	3,710	960	1,750	-----	-----	A.
June	12,000	1,070	3,500	-----	-----	B.
July	8,330	960	2,770	-----	-----	B.
August	3,710	785	1,270	-----	-----	A.
September	5,620	520	1,520	-----	-----	A.
October	2,020	490	1,050	-----	-----	A.
November	2,020	750	1,050	-----	-----	A.
December	1,920	715	965	-----	-----	A.
The year	18,600	490	2,200	-----	-----	
1913						
January	10,600	790	2,170	1.97	2.27	
February	3,640	1,040	1,700	1.55	1.61	
March	22,600	1,330	5,120	4.65	5.36	
April	6,350	1,040	1,790	1.63	1.82	
May	1,420	620	971	.883	1.02	
June	4,940	620	1,260	1.15	1.28	
July	2,000	479	924	.840	.97	
August	2,410	479	901	.819	.94	
September	3,220	400	897	.815	.91	
October	2,200	479	944	.858	.99	
November	860	479	600	.545	.61	
December	5,860	562	1,190	1.08	1.24	
The year	22,600	400	1,540	1.40	19.02	
1914						
May 10-31	825	456	628	0.571	0.47	
June	1,660	487	712	.647	.72	
July	1,300	310	620	.564	.65	
August	2,210	395	793	.721	.83	
September	980	395	520	.473	.53	

WATER POWERS OF GEORGIA

Monthly discharge of Oconee River near Greensboro.—Continued.

[Drainage area, 1,100 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1914-15					
October.....	15,600	456	2,260	2.05	2.36
November.....	5,920	518	1,530	1.39	1.55
December.....	11,100	980	3,580	3.25	3.75
January.....	8,220	1,260	2,850	2.59	2.99
February.....	4,850	1,220	1,970	1.79	1.86
March.....	4,590	1,020	1,640	1.49	1.72
April.....	1,060	647	861	.783	.87
May.....	6,360	647	1,770	1.61	1.86
June.....	1,860	487	896	.815	.91
July.....	2,260	310	802	.729	.84
August.....	2,550	180	821	.746	.86
September.....	716	310	403	.366	.41
The year.....	15,600	180	1,620	1.47	19.98
1915-16					
October.....	9,700	550	2,180	1.98	2.28
November.....	1,420	518	749	.681	.76
December.....	15,700	487	3,090	2.81	3.24
January.....	11,300	901	1,720	1.56	1.80
February.....	6,450	681	1,590	1.45	1.56
March.....	3,510	752	1,360	1.24	1.43
April.....	980	550	720	.655	.73
May.....	1,660	256	564	.513	.59
June.....	1,300	338	550	.500	.56
July.....	7,230	487	3,250	2.95	3.40
August.....	5,840	256	1,280	1.16	1.34
September.....	1,220	256	462	.420	.47
The year.....	15,700	256	1,470	1.34	18.16
1916-1917					
October.....	1,660	283	476	0.433	0.50
November.....	647	425	505	.459	.51
December.....	1,180	425	694	.631	.73
January.....	2,550	518	1,110	1.01	1.16
February.....	9,830	582	2,970	2.70	2.81
March.....	13,400	1,280	5,040	4.58	5.28
April.....	10,900	960	2,430	2.21	2.47
May.....	2,120	750	974	.885	1.02
June.....	1,540	490	722	.656	.73
July.....	1,280	404	655	.595	.69
August.....	4,090	326	1,070	.973	1.12
September.....	6,000	314	1,140	1.04	1.16
The year.....	13,400	283	1,470	1.34	18.18
1917-1918					
October.....	2,330	378	658	0.598	0.69
November.....	890	404	559	.508	.57
December.....	750	404	526	.478	.55
January.....	7,700	314	2,230	2.03	2.34
February.....	7,500	925	1,600	1.45	1.52
March.....	1,720	550	922	.838	.97
April.....	2,120	550	953	.866	.97
May.....	2,440	378	834	.758	.87
June.....	1,820	352	664	.604	.67
July.....	3,830	228	1,070	.973	1.12
August.....	6,180	326	1,260	1.15	1.33
September.....	1,920	264	586	.533	.59
The year.....	7,700	228	987	.897	12.18

OCONEE RIVER AT FRALEYS FERRY, NEAR MILLEDGEVILLE, GA.

Location.—At Fraleys Ferry, 4 miles downstream from mouth of Little River and 6 miles upstream from Milledgeville, Baldwin County.

Drainage Area.—2,840 square miles.

Records Available.—May 23, 1906, to December 31, 1908; October 6, 1909, to September 30, 1920.

Gage.—A combination sloping and vertical rod gage on left bank just upstream from ferry landing.

Discharge Measurements.—Made from ferryboat.

Channel and Control.—Bed sandy and shifting at measuring section. Control formed by a rock ledge extending across river 200 feet downstream; permanent.

Regulation.—The operation of power plants a great distance upstream can cause only slight fluctuations.

Discharge measurements of Oconee River at Fraleys Ferry, near Milledgeville, Ga.

Date	Gage height.	Discharge.	Date	Gage height.	Discharge.
1908	Feet.	Sec.-ft.	1913	Feet.	Sec.-ft.
Feb. 8.....	7.17	4,060	Nov. 14.....	5.39	1,370
1909			1918		
Oct. 6.....	5.33	1,310	March 15.....	5.73	1,700
Oct. 6.....	5.33	1,350	June 6.....	5.10	1,030
1911			Aug. 8.....	5.57	1,480
Sept. 13.....	4.86	872			

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Oconee River at Fraleys Ferry, near Milledgeville

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	8.2	8.0	7.9	6.0	6.2	6.9	6.4	5.8	4.7	6.7	5.1	6.9
2	7.9	8.9	-----	6.0	6.1	6.9	6.0	5.6	4.6	6.0	5.0	6.5
3	7.7	8.0	-----	6.0	6.1	6.4	6.2	5.5	4.8	5.6	5.2	6.2
4	7.0	7.7	-----	5.9	6.3	6.0	6.6	5.4	6.0	5.4	5.1	6.0
5	6.7	-----	8.4	5.8	6.6	5.8	6.5	5.4	6.0	5.5	5.1	5.9
6	6.4	-----	7.4	6.0	6.3	5.7	6.2	5.2	5.8	5.4	5.2	5.9
7	6.3	9.0	-----	6.0	6.1	5.6	5.8	5.3	5.4	5.2	5.1	5.8
8	6.2	8.2	6.8	6.3	6.0	5.4	5.5	5.2	6.1	5.0	5.1	5.8
9	6.2	7.1	6.6	6.3	7.0	5.4	5.4	5.2	6.3	5.4	5.0	5.8
10	6.1	6.8	6.5	6.0	6.4	5.4	5.2	5.5	5.9	5.4	5.3	6.4
11	6.1	6.7	6.4	6.0	6.0	5.3	5.2	5.8	5.6	5.2	5.9	6.5
12	6.0	6.6	6.4	5.8	6.0	5.4	5.2	5.2	5.3	5.2	6.0	6.4
13	6.0	6.4	6.3	5.8	6.0	5.6	5.6	6.3	5.0	5.0	5.8	6.4
14	6.0	6.4	6.3	5.8	6.0	6.6	5.8	5.5	5.0	5.0	5.5	-----
15	6.0	6.3	6.7	5.8	5.9	7.1	5.6	5.6	5.0	5.0	5.4	-----
16	5.9	6.2	6.8	5.8	6.1	6.4	5.6	6.8	4.9	5.1	5.3	8.2
17	5.9	6.2	6.6	6.6	6.0	5.6	5.7	6.8	4.9	5.1	5.3	7.2
18	5.9	6.1	6.4	6.8	6.0	5.5	5.5	6.5	4.8	5.1	5.4	7.4
19	6.0	6.1	6.3	6.6	5.8	5.4	5.6	7.0	4.9	5.1	5.7	6.8
20	6.0	6.2	6.3	6.2	5.7	5.4	5.5	6.0	4.8	5.0	6.0	6.4
21	6.0	6.4	6.2	6.1	5.6	5.3	5.6	5.5	4.8	5.0	6.4	6.2
22	6.0	6.2	6.2	6.6	5.5	5.3	5.4	5.4	4.8	4.9	7.4	6.3
23	5.9	6.2	6.1	8.8	5.5	5.3	5.1	5.4	5.5	5.0	-----	-----
24	5.8	6.0	6.1	8.4	5.4	5.3	5.1	5.3	8.4	5.1	-----	-----
25	5.8	6.3	6.0	8.0	5.5	5.4	5.1	5.3	7.3	5.1	8.2	-----
26	6.0	6.6	6.0	7.2	5.6	5.5	5.2	5.2	6.1	5.1	7.6	8.3
27	6.0	7.4	5.9	6.8	5.9	5.6	7.1	5.1	5.5	5.0	7.0	7.4
28	5.9	7.6	5.9	6.4	6.7	5.6	8.0	5.6	6.6	4.9	6.5	7.2
29	5.9	-----	5.9	6.3	6.0	8.5	8.2	5.1	-----	5.0	7.4	7.2
30	5.9	-----	5.9	6.2	5.6	8.3	7.9	4.9	8.0	5.2	7.4	-----
31	6.1	-----	5.8	-----	5.6	-----	7.0	4.8	-----	5.1	-----	-----
1908												
1	-----	-----	6.9	7.1	7.8	6.3	5.6	5.4	6.5	5.5	6.6	5.8
2	8.2	-----	6.8	7.0	7.4	6.2	5.5	5.3	6.4	5.4	6.2	5.9
3	7.6	-----	6.7	7.0	7.2	5.9	6.1	5.2	6.2	5.4	6.0	5.9
4	7.2	9.0	6.7	6.8	7.0	5.9	7.0	5.2	6.2	5.4	6.0	5.8
5	7.4	7.6	6.7	6.6	6.9	6.2	7.7	6.2	6.2	5.3	7.0	5.8
6	8.2	7.6	6.7	6.7	6.8	6.3	7.2	8.0	7.6	5.3	7.0	5.8
7	-----	7.4	6.6	7.2	6.8	6.2	8.2	8.1	7.4	5.4	6.4	5.8
8	-----	7.2	6.6	7.0	6.8	6.0	8.0	8.2	7.0	5.5	6.2	6.6
9	9.0	7.0	6.5	6.7	7.0	5.8	7.6	7.2	6.4	5.6	6.0	7.0
10	7.8	9.0	6.5	6.6	6.8	5.8	7.6	8.6	6.2	5.6	5.8	6.8
11	9.0	-----	6.4	6.5	6.6	5.9	6.8	7.6	5.8	6.6	5.8	6.4
12	-----	-----	6.6	6.4	6.5	6.2	6.2	6.2	5.8	6.7	5.8	6.4
13	-----	-----	6.6	6.3	6.3	6.1	6.0	5.8	5.8	6.0	6.0	6.4
14	-----	-----	6.6	6.3	6.3	5.8	6.2	5.6	5.7	5.6	6.3	6.2
15	8.2	-----	6.5	9.0	6.2	5.7	6.2	5.5	5.7	5.6	7.0	6.0
16	7.6	-----	6.4	-----	6.2	6.4	5.8	5.5	5.6	5.6	6.8	6.0
17	7.2	-----	6.4	-----	6.2	6.5	5.7	5.4	5.6	5.5	6.3	6.0
18	7.1	-----	6.3	-----	6.4	6.2	5.7	5.4	5.5	5.5	6.1	5.9
19	6.9	-----	6.3	9.0	6.8	6.1	5.6	6.2	5.5	5.4	6.0	5.9
20	6.7	9.0	6.3	7.7	6.8	6.0	5.6	6.2	5.5	5.4	6.0	5.9
21	6.7	8.2	6.6	7.4	6.6	5.9	5.4	7.4	5.5	5.4	5.9	6.0
22	6.6	7.8	7.5	7.2	6.4	8.5	5.4	7.4	5.6	5.4	5.9	8.0
23	6.6	7.4	8.8	7.7	6.2	8.1	5.3	6.8	5.6	5.3	5.9	-----
24	6.5	7.2	-----	7.4	6.1	6.4	5.3	7.2	5.5	5.5	5.8	-----
25	6.5	7.2	-----	8.3	6.2	6.1	5.3	-----	5.5	5.6	5.9	-----
26	6.5	7.2	-----	-----	6.4	5.9	5.3	-----	5.5	5.6	5.8	8.0
27	6.4	7.4	-----	-----	6.3	5.8	5.3	-----	5.4	5.6	5.8	6.9
28	6.4	7.2	9.0	-----	6.2	5.8	5.3	-----	5.5	6.0	5.8	6.6
29	6.4	7.0	7.8	-----	6.1	5.7	5.3	-----	5.6	7.8	5.8	6.5
30	6.3	-----	7.4	-----	6.4	5.6	-----	7.3	5.6	8.3	5.8	6.4
31	6.6	-----	7.2	-----	6.6	-----	5.7	6.8	-----	7.4	-----	6.4

NOTE.—The water surface was over the top of the gage for all missing days 1907 and 1908. The stage during these days was greater than 9 feet.

Rating Table for Oconee River at Fraley's Ferry, near Milledgeville, for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
4.60	690	5.60	1,610	6.60	3,080	7.60	4,880
4.70	760	5.70	1,740	6.70	3,250	7.70	5,070
4.80	830	5.80	1,870	6.80	3,420	7.80	5,260
4.90	910	5.90	2,010	6.90	3,590	7.90	5,450
5.00	990	6.00	2,150	7.00	3,770	8.00	5,650
5.10	1,080	6.10	2,300	7.10	3,950	8.20	6,050
5.20	1,170	6.20	2,450	7.20	4,130	8.40	6,450
5.30	1,270	6.30	2,600	7.30	4,310	8.60	6,850
5.40	1,380	6.40	2,760	7.40	4,500	8.80	7,250
5.50	1,490	6.50	2,920	7.50	4,690	9.00	7,650

NOTE.—The above table is based on six discharge measurements made during 1904 to 1908. and is well defined between gage heights 4.3 feet and 8 feet.

Daily discharge, in second feet, of Oconee River at Fraley's Ferry, near Milledgeville.

Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.
1909				1909				1909			
1-----		1,550	1,610	11-----	1,270	1,550	2,080	21-----	1,870	1,550	2,520
2-----		1,610	1,610	12-----	1,270	1,550	2,150	22-----	1,940	1,550	3,250
3-----		1,740	1,610	13-----	1,380	1,550	2,300	23-----	2,380	3,770	2,760
4-----		1,740	1,610	14-----	1,380	1,550	2,300	24-----	2,300	2,520	2,220
5-----		1,610	1,740	15-----	3,950	1,550	2,220	25-----	2,080	2,520	2,080
6-----	1,270	1,490	1,870	16-----	10,000	1,550	2,010	26-----	1,870	2,010	2,520
7-----	1,380	1,550	2,520	17-----	7,000	1,550	1,740	27-----	1,740	1,800	3,080
8-----	1,490	1,550	3,500	18-----	4,500	2,150	1,680	28-----	1,610	1,680	2,680
9-----	1,320	1,610	2,760	19-----	2,380	2,920	1,740	29-----	1,610	1,680	2,520
10-----	1,270	1,610	2,220	20-----	2,010	2,920	1,870	30-----	1,610	1,610	2,150
								31-----	1,550	-----	2,380

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Oconee River, at Fraley's Ferry, near Milledgeville.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1910												
1	1,740	3,770	9,800	2,300	2,150	1,490	7,000	1,610	3,080	1,610	1,170	1,270
2	1,800	2,920	11,600	2,220	1,940	1,380	9,000	1,610	5,070	1,490	1,170	1,270
3	1,800	3,900	13,000	2,300	1,870	1,320	10,800	1,440	4,880	1,440	1,170	1,170
4	1,870	3,340	10,400	2,220	1,870	1,490	12,000	1,380	5,260	1,270	1,170	1,170
5	1,870	3,080	5,650	2,150	1,740	1,740	10,800	2,680	3,500	1,170	1,170	1,440
6	1,800	2,080	4,690	2,150	1,740	1,940	8,800	2,010	2,300	1,170	1,170	3,770
7	2,150	2,600	4,130	2,010	1,680	2,840	5,850	1,870	1,740	1,080	1,270	4,310
8	2,680	2,450	3,770	2,010	2,080	2,450	5,650	2,010	1,490	7,860	1,170	3,590
9	2,760	2,300	3,590	1,940	3,000	1,800	6,850	2,220	1,440	6,250	1,170	2,520
10	2,300	2,450	3,420	1,940	2,760	1,550	7,250	1,800	1,550	4,130	1,170	1,940
11	2,150	2,760	3,420	1,870	2,450	1,490	5,070	1,440	2,520	2,760	1,170	1,870
12	1,940	4,500	3,770	1,870	2,080	3,950	4,130	1,490	2,010	1,940	1,170	1,740
13	1,940	3,950	3,770	2,010	3,250	4,500	3,420	1,380	1,800	1,680	1,170	1,610
14	1,870	3,160	3,500	2,380	2,680	5,650	2,840	1,380	1,440	1,490	1,170	1,490
15	1,870	2,920	3,160	2,080	2,220	9,000	3,160	1,270	1,320	1,380	1,170	1,380
16	1,870	2,760	2,920	2,010	1,800	6,850	3,080	1,270	1,270	1,380	1,170	1,380
17	1,870	2,840	2,840	6,650	1,740	5,260	3,000	1,270	1,170	1,380	1,170	1,380
18	1,800	6,850	2,760	8,200	1,870	3,590	3,080	1,170	1,080	1,270	1,170	1,440
19	1,800	8,800	2,760	6,250	1,940	2,600	3,680	1,170	1,080	1,270	1,170	1,800
20	1,870	9,700	2,760	4,130	2,150	2,220	3,320	1,170	1,080	1,220	1,270	1,800
21	2,600	9,100	2,760	3,160	2,840	2,220	2,840	1,490	1,080	1,080	1,380	1,610
22	3,420	3,400	3,080	2,840	3,770	3,420	2,150	1,270	990	1,080	1,380	1,490
23	3,000	8,200	2,760	2,600	2,920	3,160	1,940	1,170	1,040	1,080	1,270	1,380
24	2,760	8,800	2,600	2,450	2,380	2,600	2,150	1,170	1,080	1,080	1,270	1,490
25	3,420	9,600	2,520	2,300	3,000	2,150	2,840	1,270	2,010	1,080	1,270	1,870
26	3,080	10,000	2,520	2,300	3,950	2,220	2,010	1,440	1,940	1,080	1,270	2,010
27	2,760	6,050	2,450	2,300	3,000	1,940	1,800	1,320	1,270	1,080	1,270	1,740
28	4,880	6,050	2,450	2,300	2,220	1,740	1,870	1,170	1,220	1,080	1,440	1,610
29			2,380	2,300	1,940	2,920	1,870	1,080	1,220	1,080	1,610	1,610
30			2,380	2,150	1,740	5,260	1,740	1,080	1,320	1,080	1,380	1,680
31	5,650		2,300		1,610		1,740	1,320		1,170		2,010
1911												
1	1,740	1,490	1,740	2,080	2,010	990	795	910	1,270	660	2,150	1,870
2	1,940	1,490	1,740	2,010	2,010	910	760	3,080	1,120	660	2,760	1,610
3	5,650	1,490	1,740	1,870	2,080	910	990	6,450	990	630	2,150	1,490
4	7,650	1,490	1,740	1,740	1,870	830	1,040	6,250	795	660	1,870	1,490
5	6,650	1,490	1,610	1,800	1,680	2,520	910	6,650	1,220	660	1,610	1,440
6	3,770	1,610	1,610	3,420	1,610	3,250	3,420	7,250	1,610	630	1,610	1,380
7	3,000	1,610	1,610	4,130	1,490	1,120	2,300	4,690	1,490	520	3,080	1,380
8	2,000	1,610	1,610	3,340	1,490	990	1,490	2,450	1,320	470	5,260	1,380
9	2,300	1,680	1,320	5,260	1,490	870	1,080	1,740	1,170	470	8,070	1,380
10	2,150	2,150	1,380	6,850	1,490	870	1,270	2,150	830	1,170	10,700	1,380
11	2,010	2,600	1,610	6,450	1,380	910	1,320	2,150	830	3,770	9,340	1,380
12	1,870	3,500	1,610	5,650	1,270	795	1,120	1,490	760	1,870	4,690	1,380
13	1,870	4,500	1,610	7,450	1,270	830	910	1,610	795	1,870	3,250	1,380
14	1,870	3,680	1,610	6,450	1,380	830	7,250	1,320	760	1,170	2,600	1,380
15	1,870	2,840	1,610	5,450	2,010	760	7,250	1,040	795	950	2,450	1,870
16	1,740	2,600	1,490	4,500	1,440	725	4,130	1,170	660	870	2,150	3,590
17	1,740	2,450	1,380	3,590	1,270	690	5,650	1,320	630	910	2,010	2,760
18	1,740	2,220	1,380	3,000	1,170	660	5,260	1,380	600	3,080	2,150	2,450
19	1,610	2,010	1,380	2,760	1,170	760	4,130	2,300	910	4,880	2,450	2,150
20	1,610	2,080	1,380	3,080	1,170	1,040	2,150	2,450	870	3,590	1,870	2,600
21	1,610	2,600	1,610	2,840	1,270	1,680	1,610	1,440	1,080	2,150	1,870	5,850
22	1,610	2,450	1,610	2,380	1,320	1,550	2,300	1,120	990	3,420	1,610	9,780
23	1,610	2,220	1,610	2,150	1,490	1,270	2,760	1,040	870	8,700	1,610	21,100
24	1,610	2,010	1,380	2,010	1,680	1,270	1,870	910	1,770	5,260	1,490	18,600
25	1,490	1,870	1,380	1,870	2,600	1,040	1,610	950	1,080	3,080	1,610	17,200
26	1,490	1,740	1,940	1,870	2,300	910	2,600	1,120	910	1,870	1,490	13,200
27	1,490	1,740	7,050	1,740	1,490	1,120	2,150	1,440	830	2,450	1,490	8,700
28	1,490	1,740	6,050	1,870	1,220	1,040	1,380	3,080	760	12,500	1,740	6,450
29	1,490		3,770	1,940	1,080	870	1,080	1,320	725	12,000	2,010	5,650
30	1,490		2,760	2,010	1,080	795	950	910	690	3,420	2,010	4,500
31	1,490		2,380		990		910	1,040		2,150		6,450

NOTE.—These discharges were obtained from a rating curve which is well defined below 5,600 second-feet. Discharges for days when water was over the gage, estimated by means of a hydrograph comparison with the other Oconee River stations.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Oconee River, at Fraley's Ferry, near Milledgeville.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1	10,400	9,780	5,070	8,070	3,770	4,500	3,420	1,870	1,610	2,150	1,610	2,150
2	5,650	5,450	4,130	5,650	3,420	3,420	3,950	2,150	1,490	2,010	1,740	2,010
3	4,880	4,500	3,950	4,690	3,420	3,080	5,260	2,150	1,440	1,870	1,870	1,870
4	4,880	3,420	4,880	4,130	4,880	6,850	5,260	2,150	1,380	1,870	1,870	1,870
5	4,130	3,080	5,260	3,770	6,450	6,850	4,500	2,150	1,380	3,770	1,870	1,870
6	3,770	2,920	14,000	3,590	10,000	6,650	6,050	2,010	1,490	3,770	1,870	1,870
7	3,420	2,760	11,300	3,590	9,120	29,000	7,050	2,010	1,490	3,250	7,650	1,870
8	4,500	2,760	8,070	3,420	8,700	20,000	4,880	2,300	1,490	2,760	6,850	2,150
9	11,100	2,760	6,250	3,420	6,450	8,490	3,420	2,760	1,380	990	3,770	2,150
10	7,050	2,760	5,260	3,250	4,690	4,880	4,500	4,500	1,440	1,870	2,600	2,010
11	5,070	2,760	4,500	3,250	3,770	3,770	4,880	6,450	1,870	1,870	2,150	1,870
12	4,500	2,760	6,050	3,250	3,420	3,420	13,000	4,880	2,450	1,870	2,150	1,870
13	4,310	2,760	5,650	3,080	3,420	3,080	11,100	3,250	2,150	1,870	2,150	1,870
14	4,130	2,760	4,880	3,250	3,080	3,770	12,300	2,600	2,010	1,870	2,150	1,870
15	3,420	11,600	7,650	20,800	2,920	7,250	8,070	2,150	2,760	1,870	2,010	1,870
16	3,420	11,600	38,500	20,800	2,760	10,900	4,500	2,450	3,770	2,450	2,010	1,870
17	3,080	11,600	41,300	22,500	3,250	17,800	4,130	4,500	2,760	2,300	1,870	1,870
18	2,920	7,650	33,400	19,400	2,760	16,100	4,880	2,450	2,150	1,870	1,870	1,870
19	3,420	6,050	21,700	13,000	2,600	7,650	4,880	3,080	1,870	2,150	1,870	2,150
20	3,770	4,880	9,120	7,050	2,600	3,770	4,690	2,600	1,610	2,760	1,740	2,010
21	3,420	5,850	5,850	9,120	2,450	3,420	3,950	2,450	1,490	4,500	1,870	1,870
22	3,250	6,850	5,260	10,000	2,450	3,080	3,420	2,010	1,440	4,310	1,870	1,870
23	2,760	14,500	4,880	15,300	2,450	2,760	4,130	2,760	4,130	2,760	1,870	2,150
24	2,760	14,500	5,650	11,100	2,300	2,760	3,080	1,870	9,340	2,150	1,870	6,450
25	2,760	14,500	7,250	7,650	2,300	6,850	3,080	1,870	7,650	1,870	1,870	5,070
26	2,600	12,000	6,450	6,050	2,150	8,910	2,450	2,300	5,260	1,870	1,740	3,590
27	2,450	9,780	5,260	4,500	2,150	6,850	2,150	2,150	3,080	1,870	1,870	3,770
28	2,300	7,650	4,500	4,310	2,600	8,070	2,150	2,150	2,760	1,870	1,870	3,420
29	2,600	6,450	8,490	4,130	3,770	6,050	2,010	1,870	2,450	1,870	1,870	2,920
30	3,420	-----	11,300	3,950	5,850	4,130	2,010	1,610	2,300	1,740	2,150	2,600
31	6,050	-----	10,200	-----	5,850	-----	1,870	1,610	-----	1,610	-----	2,760
1913												
1	2,760	3,950	12,500	4,690	2,300	2,150	1,870	2,450	1,170	-----	-----	-----
2	2,760	3,950	18,900	4,130	2,150	2,300	2,010	2,920	1,120	-----	-----	-----
3	2,450	5,260	12,300	3,770	2,150	3,080	1,870	2,760	1,080	-----	-----	-----
4	2,450	7,050	5,650	3,420	2,150	3,250	1,740	4,130	990	-----	-----	-----
5	2,450	6,050	5,260	3,420	2,150	2,920	2,600	3,770	1,080	-----	-----	-----
6	2,300	5,450	4,500	3,250	2,010	3,080	3,080	1,610	2,760	-----	-----	-----
7	2,300	4,690	3,770	3,080	2,010	3,420	2,010	1,440	3,420	-----	-----	-----
8	2,300	3,770	3,420	2,920	2,010	4,500	1,380	1,270	2,300	-----	-----	-----
9	2,150	2,920	3,250	2,920	2,010	6,450	1,170	3,420	1,610	-----	-----	-----
10	2,150	2,760	3,420	2,920	1,870	8,070	1,270	2,010	1,380	-----	-----	-----
11	2,150	2,760	4,310	4,130	1,870	6,250	1,740	3,420	1,120	-----	-----	-----
12	2,150	4,130	5,260	16,100	1,870	4,500	1,740	3,770	1,040	-----	-----	-----
13	2,150	5,450	14,500	16,100	1,870	3,250	1,870	2,150	990	-----	-----	-----
14	2,300	5,260	21,700	5,650	1,870	2,450	2,150	2,150	950	-----	-----	-----
15	2,300	4,130	25,600	5,260	1,870	2,150	2,150	3,080	870	-----	-----	-----
16	2,150	3,420	36,800	4,690	1,870	2,010	1,870	2,450	950	-----	-----	-----
17	2,010	3,080	49,700	3,950	1,870	1,870	1,440	1,740	1,080	-----	-----	-----
18	2,010	2,760	34,000	3,420	2,600	1,740	1,270	1,320	1,440	-----	-----	-----
19	2,010	2,760	20,000	3,080	3,080	1,740	1,120	1,220	6,250	-----	-----	-----
20	2,010	3,080	7,250	2,920	3,420	2,150	1,080	1,120	7,250	-----	-----	-----
21	2,010	4,880	8,070	2,760	2,760	2,010	2,010	1,080	3,420	-----	-----	-----
22	1,870	5,450	7,650	2,760	2,450	1,740	2,760	1,080	3,420	-----	-----	-----
23	1,870	4,880	7,250	2,600	2,150	1,610	2,600	1,080	2,600	-----	-----	-----
24	2,450	2,600	6,250	2,600	2,450	1,610	3,250	1,740	1,870	-----	-----	-----
25	11,600	2,760	4,880	2,600	2,450	1,490	1,870	3,420	1,610	-----	-----	-----
26	8,910	3,080	4,500	2,600	2,450	1,610	2,760	2,450	1,380	-----	-----	-----
27	6,450	3,250	6,850	2,600	2,300	1,490	3,590	1,740	1,380	-----	-----	-----
28	8,910	7,450	7,650	2,600	2,150	1,440	3,950	1,740	1,270	-----	-----	-----
29	8,910	-----	7,650	2,600	1,870	1,380	4,130	1,080	1,170	-----	-----	-----
30	8,910	-----	7,050	2,450	1,870	1,380	1,740	1,080	2,760	-----	-----	-----
31	6,650	-----	5,650	-----	2,010	-----	1,870	1,080	-----	-----	-----	-----

NOTE.—Daily discharge computed from a rating curve well defined below 5,600 second-feet. Discharges for days when water was over gage, estimated by means of a hydrograph comparison with other Oconee River stations.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Oconee River at Fraley's Ferry, near
Milledgeville—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913-1914												
1	5,450	1,610	1,380	5,850	1,870	6,050	3,250	1,490	760	830	690	795
2	4,690	1,380	1,870	4,130	2,010	4,130	3,080	1,440	630	830	795	870
3	3,080	1,440	2,010	7,050	1,870	3,080	2,450	1,380	950	760	1,270	910
4	1,870	1,490	1,870	5,650	1,870	2,760	2,010	1,380	1,080	630	1,870	2,010
5	1,490	1,610	1,610	4,130	1,740	2,760	2,010	1,380	1,120	1,870	2,450	1,440
6	1,380	1,610	1,440	3,250	2,010	2,920	2,010	1,440	910	2,300	1,610	990
7	1,320	1,380	1,490	2,760	4,310	2,600	2,010	1,440	1,610	2,150	950	795
8	1,220	1,490	2,150	2,600	5,650	2,450	1,870	1,380	1,610	1,740	1,220	600
9	1,270	2,600	2,300	2,300	5,260	2,300	2,150	1,320	1,170	1,320	1,220	660
10	1,170	1,380	1,870	2,450	3,770	2,150	2,450	1,270	1,080	1,320	1,220	600
11	1,120	1,610	1,610	2,150	2,760	2,150	2,300	1,170	870	1,270	3,590	488
12	1,080	1,440	1,490	2,010	2,600	3,080	2,150	1,170	1,040	1,610	4,130	460
13	1,440	1,380	1,380	1,870	2,760	3,950	2,010	1,170	1,220	1,270	2,150	570
14	1,220	1,380	1,380	1,870	4,130	3,420	3,080	1,270	1,440	830	3,420	630
15	1,080	1,270	1,490	1,870	3,420	2,760	8,070	1,080	1,080	1,270	4,130	488
16	1,040	1,320	1,490	1,870	3,080	2,600	6,450	1,040	830	910	3,420	488
17	1,040	1,380	1,490	1,870	2,760	2,450	6,050	990	1,320	990	2,450	460
18	1,040	1,490	1,490	1,870	2,600	2,300	4,130	950	990	1,610	1,870	488
19	1,080	1,380	1,440	1,870	2,450	2,150	3,250	950	2,150	1,870	1,320	830
20	2,450	1,380	1,440	1,870	2,760	2,150	2,600	910	1,610	1,490	1,170	1,120
21	3,420	1,380	1,490	1,870	2,920	2,010	2,450	910	1,220	1,610	2,920	1,270
22	2,450	1,380	1,380	1,870	2,600	2,010	2,300	910	950	1,040	2,450	950
23	1,740	1,320	1,490	1,740	2,450	2,300	2,150	830	795	795	1,740	910
24	3,770	1,380	1,740	1,870	2,300	2,150	2,010	760	870	630	2,300	725
25	6,650	1,440	2,150	2,150	2,150	2,010	1,870	725	795	542	1,740	1,610
26	3,770	1,440	3,770	2,150	2,450	1,870	1,870	690	660	600	1,080	1,610
27	2,450	1,270	2,920	2,010	3,080	1,870	1,870	830	795	504	1,080	910
28	1,870	1,380	2,450	1,870	3,250	1,870	1,740	910	660	618	990	830
29	1,740	1,380	2,450	1,740	-----	1,870	1,610	910	618	1,080	1,120	630
30	1,740	1,380	7,050	1,740	-----	1,870	1,490	760	990	1,610	1,380	630
31	1,610	-----	7,250	1,870	-----	2,010	-----	830	-----	870	1,080	-----
1914-1915												
1	660	1,170	17,200	6,450	4,500	3,080	3,080	2,450	2,760	2,300	830	1,270
2	760	1,270	16,400	4,500	10,700	2,760	3,080	1,610	3,950	2,150	760	1,080
3	4,500	1,270	9,340	4,130	8,910	3,590	2,760	1,610	3,770	1,870	618	910
4	6,650	1,380	6,050	3,770	6,450	3,590	2,760	1,610	3,250	1,870	1,040	950
5	5,850	1,270	8,910	3,420	5,260	7,650	2,600	1,490	2,760	2,920	2,450	1,610
6	4,880	1,170	13,000	4,310	4,880	10,200	2,450	1,490	2,450	5,650	1,490	1,490
7	3,080	1,170	10,900	9,780	4,880	8,490	2,450	1,610	2,450	3,770	1,120	1,270
8	1,870	1,270	8,910	7,650	4,500	6,050	2,450	5,450	2,760	3,080	870	1,170
9	1,610	1,740	5,260	5,650	4,310	4,690	2,450	7,050	3,080	2,450	830	1,080
10	1,320	2,760	3,770	3,590	4,130	4,130	2,300	6,050	3,420	2,760	760	990
11	1,170	2,760	3,250	3,770	3,770	3,770	2,300	3,770	2,450	2,450	1,740	1,270
12	1,040	2,300	2,760	6,450	3,590	2,150	2,300	5,650	1,740	2,150	1,870	830
13	1,080	1,490	3,080	7,050	3,420	3,250	2,300	6,450	1,870	1,610	5,070	830
14	1,120	1,440	3,420	5,260	3,420	3,080	2,300	8,910	2,010	1,610	2,300	690
15	7,250	2,600	3,770	4,500	3,080	3,080	2,150	8,700	2,450	1,490	3,080	1,320
16	14,800	7,250	3,420	4,310	3,770	3,080	2,150	5,650	1,870	1,320	3,770	1,870
17	18,900	6,850	3,080	4,500	4,130	2,920	2,150	3,770	1,870	1,870	3,950	1,380
18	15,300	5,650	2,450	12,000	3,950	2,920	2,010	2,760	2,450	1,270	3,420	1,170
19	9,340	3,770	2,450	20,600	3,770	2,760	2,010	2,450	2,300	1,080	3,950	1,490
20	3,770	2,760	2,760	15,600	3,250	2,760	2,010	2,300	2,010	1,380	3,590	910
21	2,600	2,300	2,920	8,490	2,920	2,760	2,150	2,150	1,610	1,170	3,590	830
22	2,300	1,870	3,080	5,450	2,920	2,760	2,010	2,150	1,380	990	2,760	910
23	2,150	1,870	2,920	4,500	3,080	2,760	2,010	2,010	1,380	1,040	2,600	910
24	1,870	1,870	3,080	5,260	3,950	2,600	1,870	1,870	1,270	990	1,870	870
25	1,740	1,870	3,250	7,250	5,260	2,600	1,870	2,600	1,170	950	1,320	795
26	1,740	1,610	3,950	6,450	6,250	2,450	1,870	2,010	1,080	910	1,120	690
27	1,610	1,490	4,880	5,850	5,450	2,450	1,870	1,740	1,080	990	990	760
28	1,490	1,490	6,050	5,260	4,130	2,450	1,740	2,010	1,170	990	990	570
29	1,380	4,500	6,050	4,690	-----	2,600	1,870	2,010	2,150	950	990	600
30	1,270	17,800	8,490	3,770	-----	2,600	1,740	2,010	1,870	910	1,270	990
31	1,170	-----	7,450	3,420	-----	2,760	-----	2,150	-----	830	1,870	-----

NOTE.—Daily discharge determined from a rating curve fairly well defined below 6,000 second-feet. Above 7,000 second-feet the curve is approximate.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Oconee River, at Fraley's Ferry, near Milledgeville.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-1916												
1-----	1,490	1,870	1,870	13,200	4,500	8,280	2,150	1,380	1,380	1,610	3,250	1,610
2-----	1,610	1,870	1,610	10,400	15,000	6,450	2,010	1,320	1,270	1,270	8,070	1,380
3-----	1,610	1,610	1,610	5,260	14,500	7,650	2,010	1,270	1,170	1,380	15,600	1,380
4-----	1,610	1,610	1,490	4,310	9,340	6,450	2,150	1,270	1,080	2,300	8,070	1,440
5-----	4,130	1,610	1,610	3,770	5,850	4,310	2,150	1,220	1,380	2,010	4,310	1,490
6-----	4,880	1,380	1,740	3,080	4,500	3,770	2,150	1,220	1,490	1,870	3,420	1,380
7-----	6,450	1,380	1,740	3,080	4,130	3,420	2,150	1,170	1,870	4,130	5,850	1,270
8-----	4,880	1,270	1,610	2,920	3,590	5,070	2,920	1,170	2,760	6,850	5,850	1,120
9-----	4,310	1,320	1,490	2,760	3,420	5,850	2,920	1,120	1,870	8,280	4,880	1,040
10-----	2,150	1,440	1,490	2,600	3,420	4,880	2,450	1,080	1,440	12,500	4,130	1,080
11-----	1,610	1,380	1,610	2,300	3,420	4,310	2,150	1,080	1,220	12,800	3,250	1,380
12-----	1,380	1,380	2,760	2,450	3,080	3,590	1,870	1,040	950	9,560	2,150	1,270
13-----	1,320	1,380	3,080	4,130	2,760	3,080	1,870	990	990	9,340	1,870	1,080
14-----	1,380	1,380	2,760	5,070	3,080	2,920	1,870	990	1,270	7,250	1,870	990
15-----	1,610	1,440	2,450	4,130	3,250	2,760	1,740	910	1,320	5,450	3,080	2,450
16-----	3,950	1,740	1,870	3,590	2,760	2,450	1,740	990	1,610	4,880	2,150	2,600
17-----	6,850	1,610	1,870	3,590	2,600	2,450	2,010	910	1,440	6,850	2,010	2,600
18-----	3,080	1,870	5,650	2,760	2,600	2,150	2,450	910	1,270	11,600	1,870	1,870
19-----	2,450	3,080	9,780	3,080	2,450	2,150	2,150	910	1,320	10,000	1,740	1,440
20-----	3,770	3,420	11,800	2,600	2,150	2,150	1,870	950	1,440	9,340	1,610	1,220
21-----	4,310	3,080	14,500	2,450	2,150	2,300	1,870	910	1,270	7,050	1,490	1,080
22-----	9,340	1,610	11,300	2,760	2,300	2,450	1,870	910	1,380	6,450	1,380	990
23-----	11,300	1,870	4,500	3,080	2,150	2,300	1,740	1,440	1,870	12,800	1,380	990
24-----	13,800	1,740	3,590	3,080	4,130	2,300	1,610	2,300	2,010	11,600	1,270	910
25-----	11,800	1,610	3,080	2,760	4,500	2,150	1,610	2,760	1,740	10,900	1,170	830
26-----	4,130	1,610	2,760	2,450	3,770	2,150	1,490	2,600	990	8,910	1,170	870
27-----	2,760	1,440	2,600	2,600	3,080	2,450	1,440	2,150	1,870	6,050	1,080	910
28-----	2,450	2,920	3,080	2,760	2,450	2,600	1,440	1,610	3,080	4,880	1,120	795
29-----	2,150	3,250	9,340	2,760	8,910	2,450	1,380	1,320	1,870	5,260	1,080	990
30-----	2,150	1,610	11,600	2,450	-----	2,300	1,440	1,380	990	6,850	1,870	2,150
31-----	1,870	-----	14,000	2,450	-----	2,150	-----	1,610	-----	5,650	1,270	-----
1916-1917												
1-----	1,790	1,320	2,210	1,920	4,030	4,030	4,600	2,360	1,790	1,540	1,170	3,000
2-----	1,380	1,220	1,790	1,790	6,540	5,740	4,220	2,060	1,660	1,320	1,920	4,790
3-----	972	1,220	1,540	1,920	5,360	8,390	4,030	2,060	1,540	1,320	2,360	2,680
4-----	880	1,120	1,380	2,060	4,600	14,900	3,670	2,210	1,540	1,540	3,330	1,790
5-----	880	1,120	1,320	1,790	3,500	23,800	-----	3,160	1,430	1,540	2,520	1,920
6-----	880	1,020	1,320	1,920	2,520	18,700	-----	2,840	1,430	1,320	2,360	1,660
7-----	750	972	1,320	1,920	2,520	14,600	-----	3,500	1,540	1,430	1,790	1,380
8-----	835	925	1,430	1,790	2,520	8,390	-----	4,790	1,430	1,540	5,360	925
9-----	880	1,020	1,920	1,790	2,520	6,340	7,550	2,840	1,540	1,540	5,170	-----
10-----	1,020	1,020	2,520	1,660	2,520	4,410	5,360	2,360	2,360	1,270	5,360	-----
11-----	1,540	1,020	2,360	1,430	2,360	3,850	4,600	2,060	2,360	1,120	3,000	-----
12-----	1,220	1,020	2,360	1,320	2,210	3,670	4,220	2,060	2,060	1,020	2,060	-----
13-----	835	1,020	2,840	1,540	2,060	3,500	4,030	2,060	1,790	925	1,660	-----
14-----	835	1,120	2,210	1,540	1,920	4,220	3,850	2,060	1,540	835	1,660	-----
15-----	835	1,790	1,920	1,790	1,790	3,670	3,670	1,920	1,430	1,020	2,520	-----
16-----	792	1,540	1,920	2,360	2,360	3,330	3,500	1,790	1,320	1,020	3,160	670
17-----	632	1,070	1,790	4,980	3,000	3,330	3,000	1,790	1,170	925	4,030	670
18-----	835	1,120	1,540	4,600	3,330	3,500	2,840	1,790	1,120	1,270	3,000	670
19-----	925	1,020	1,540	3,670	4,790	3,330	3,000	1,660	1,120	2,060	1,790	750
20-----	1,920	1,020	1,660	2,680	10,800	3,000	2,840	1,540	1,220	2,520	2,060	750
21-----	3,000	1,120	1,790	2,520	13,200	3,330	2,680	1,540	1,920	2,360	1,790	670
22-----	2,060	1,120	1,920	2,680	12,200	5,170	2,840	1,430	2,360	2,060	1,270	670
23-----	1,430	1,120	1,790	3,850	10,600	6,340	2,680	1,430	2,840	1,920	1,170	1,020
24-----	1,270	1,220	1,660	10,300	10,100	7,140	2,680	1,790	3,000	2,360	1,120	1,540
25-----	1,120	1,170	1,540	14,900	7,760	10,600	2,520	2,520	1,540	2,060	925	1,320
26-----	1,120	1,120	1,660	7,970	7,550	11,200	2,520	1,660	1,430	2,520	880	1,320
27-----	1,120	1,020	1,540	4,410	7,140	22,700	2,360	1,540	1,790	2,360	792	1,270
28-----	1,120	1,120	1,540	3,500	6,340	21,000	2,360	2,360	1,540	1,790	792	5,170
29-----	972	1,170	1,790	3,000	-----	18,200	2,210	3,160	1,920	1,540	835	-----
30-----	925	1,300	2,060	5,170	-----	12,900	2,680	2,360	1,920	1,220	750	-----
31-----	1,070	-----	2,360	4,410	-----	7,340	-----	2,060	-----	1,270	750	-----

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Oconee River, at Fraley's Ferry, near Milledgeville.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-1918												
1			1,540	1,270		2,210	1,540	3,160	710	1,320	4,030	2,360
2			1,430	1,320		2,210	2,060	2,680	792	1,790	3,670	1,790
3			1,430	1,320		2,210	1,790	2,210	710	1,430	9,240	1,270
4		1,540	1,430	1,380	7,970	2,060	1,790	1,790	632	972	5,940	880
5		1,120	1,430	1,430	5,940	2,060	1,660	1,540	880	835	5,940	835
6		1,120	1,320	1,540	4,410	2,060	1,540	1,540	1,120	632	5,740	2,060
7		1,120	1,430	1,790	3,500	2,060	1,540	1,540	3,330	710	1,540	2,360
8		1,020	1,920	1,790	3,000	2,060	1,540	1,540	3,160	710	1,540	2,360
9		1,020	1,790	1,920	2,680	2,060	3,000	1,790	1,790	4,030	1,270	1,120
10		1,540	1,540	1,790	2,680	2,060	2,680	3,330	1,170	4,030	1,270	1,270
11		2,840	1,540	2,060	2,520	2,060	2,060	3,000	1,540	1,270	1,540	1,070
12		2,360	1,430	7,140	2,680	2,060	2,680	1,790	1,540	925	1,380	835
13		3,670	1,380	7,140	3,160	1,790	2,210	1,540	1,660	710	1,380	792
14		3,330	1,430	7,140	3,670	1,790	2,060	1,790	1,430	670	1,380	710
15		3,160	1,320	7,760	3,330	1,790	1,790	2,360	1,070	460	972	670
16		3,000	1,320	7,140	3,000	1,660	1,790	2,060	880	430	1,120	525
17		2,840	1,430	6,140	3,000	1,790	1,540	1,540	1,380	632	1,790	632
18		2,680	1,430	4,030	3,000	2,060	1,540	1,540	2,360	835	880	710
19		2,520	1,430	3,330	3,000	2,060	2,060	1,320	1,540	1,790	670	670
20		3,160	1,430	3,000	3,000	2,060	2,360	1,380	1,170	3,000	1,170	835
21		2,060	1,430	2,680	3,160	2,060	3,160	1,430	1,020	4,600	972	880
22		1,540	1,430	4,030	3,000	2,210	2,360	1,380	925	3,000	670	972
23		1,540	1,430	4,410	3,000	2,210	2,060	1,220	880	1,920	670	880
24		1,320	1,430	4,030	2,840	1,790	1,660	1,270	710	3,000	595	792
25		1,220	1,430	3,670	2,680	2,680	1,660	1,220	632	4,030	670	792
26		1,220	1,790	3,330	2,520	2,360	2,060	1,170	1,120	4,980	670	750
27		1,220	2,210	3,160	2,520	1,540	2,360	972	2,840	3,000	595	792
28		1,320	2,060	3,160	2,360	1,540	2,680	925	2,060	2,360	632	835
29		1,320	1,540			1,540	2,210	925	1,380	1,790	1,070	792
30		1,540	1,380			1,660	2,680	880	1,540	1,430	1,790	632
31			1,270			1,430		880		4,220	1,660	

NOTE.—Water overtopped the gage Dec. 29 to Feb. 3; discharge above 9,700 second-feet. No record Oct. 1 to Nov. 3.

Daily gage height, in feet, of Oconee River, at Fraley's Ferry, near Milledgeville.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1	4.46	7.8	9.2	6.7	6.8	8.4	6.2	5.8	6.0	7.2	6.2	6.5
2	4.46	7.8	7.7	7.5	6.7	7.9	6.2	5.8	5.8	5.9	6.6	6.3
3	4.46	6.7	7.2	13.8	6.7	7.8	6.1	5.8	5.7	5.6	6.5	5.6
4	4.46	6.3	6.6	10.8	7.4	7.7	6.1	6.0	5.8	5.45	6.7	5.5
5	4.46	5.6	6.6	8.6	7.7	7.7	6.3	5.9	5.8	5.35	6.7	5.35
6	4.44	5.6	6.0	7.8	6.8	9.6	6.3	5.7	5.5	5.7	7.2	5.25
7	4.4	5.5	5.6	7.7	6.7	8.8	6.2	6.2	5.6	5.8	7.8	5.25
8	4.38	5.5	5.6	7.0	6.7	7.8	6.2	6.7	5.4	5.6	7.4	5.2
9	4.42	5.5	5.6	6.7	6.6	10.2	6.2	6.4	5.3	7.1	8.8	5.15
10	4.43	5.5	5.6	6.7	6.6	10.8	6.1	6.2	5.35	8.5	9.3	5.15
11	4.44	5.5	5.6	6.7	6.6	11.6	6.2	6.0	5.35	10.2	7.6	5.1
12	4.35	5.5	5.6	6.6	6.6	11.0	6.8	5.8	5.45	11.1	6.8	5.15
13	4.31	5.5	5.6	6.6	6.6	8.8	6.6	5.6	5.4	10.6	7.5	5.15
14	4.32	5.5	6.1	6.6	8.8	7.8	6.2	5.9	5.35	7.6	6.4	5.15
15	4.38	5.25	8.6	6.6	7.8	7.7	6.0	6.0	5.6	6.2	6.4	5.1
16	4.5	5.25	10.4	6.6	6.8	7.7	6.2	5.9	5.4	6.8	6.3	5.1
17	4.31	6.1	8.6	6.6	6.7	7.4	6.3	5.6	5.25	8.4	6.1	5.0
18	4.36	8.8	6.8	8.4	6.6	7.8	6.6	5.6	6.0	9.2	5.7	4.8
19	4.65	6.6	6.7	8.4	6.6	7.8	6.2	5.4	6.0	9.9	5.5	4.75
20	4.7	5.8	5.8	7.7	6.6	7.7	6.0	5.6	5.6	8.4	5.45	5.1
21	4.48	5.6	7.2	7.4	7.4	6.7	6.0	5.8	5.3	10.0	5.35	5.8
22	5.0	5.6	13.5	7.7	8.6	6.7	6.0	6.0	5.15	9.2	5.7	5.9
23	5.5	5.6	14.2	7.7	10.6	6.7	5.9	5.8	7.0	12.8	6.0	6.8
24	5.5	5.6	14.4	7.7	10.4	6.6	5.8	5.6	10.0	13.8	6.6	6.3
25	6.7	5.6	14.7	8.8	16.0	6.6	5.8	5.6	8.1	14.0	7.8	5.5
26	10.0	5.6	11.5	12.8	17.2	6.6	5.8	5.45	8.7	9.2	7.5	5.3
27	10.9	5.8	9.1	11.2	10.1	6.6	5.6	5.4	10.0	8.8	6.0	5.2
28	9.4	10.4	7.8	9.9	9.4	6.6	5.6	5.35	10.0	7.6	5.8	5.1
29	7.4	11.1	7.7	8.4		6.6	5.5	5.5	9.5	6.7	5.6	5.0
30	6.6	10.1	6.7	7.7		6.6	5.8	5.5	7.8	6.6	5.5	4.85
31	7.8		6.7	7.7		6.6		5.6		6.4	6.0	

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Oconee River, at Fraley's Ferry, near Milledgeville
—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-20												
1-----	5.05	5.6	5.1	6.1	7.5	7.0	10.6	8.0	6.4	5.9	-----	6.4
2-----	5.0	6.2	5.1	6.0	7.5	6.4	12.3	7.0	6.1	5.8	-----	6.4
3-----	5.0	5.1	5.3	6.0	8.2	6.5	12.4	8.8	6.1	6.0	-----	6.4
4-----	5.05	5.15	5.45	6.0	12.0	6.4	12.2	9.8	6.1	6.9	-----	7.0
5-----	5.4	5.15	5.5	6.2	10.2	6.2	12.9	9.2	6.2	6.6	-----	7.0
6-----	5.05	5.1	5.6	6.2	9.4	6.2	10.3	8.3	6.4	6.1	-----	6.8
7-----	5.0	5.1	5.8	6.4	7.5	6.4	9.2	7.0	6.6	6.1	-----	6.9
8-----	4.9	5.1	9.5	6.4	6.2	6.4	8.6	7.0	6.4	6.1	6.0	6.8
9-----	7.4	5.15	12.0	6.8	6.0	6.4	8.0	6.9	6.3	6.6	6.8	6.5
10-----	9.2	5.0	13.0	6.7	6.1	6.4	8.9	6.8	6.2	6.6	7.8	8.2
11-----	7.9	4.8	15.0	6.1	7.1	6.4	9.4	6.8	6.1	7.0	8.0	9.2
12-----	6.2	5.2	18.0	6.1	9.5	6.3	8.0	6.6	6.1	7.6	9.4	8.9
13-----	5.5	5.2	19.0	6.2	12.0	13.4	8.6	6.8	6.0	6.7	9.3	7.2
14-----	5.05	5.7	11.8	6.2	9.0	11.4	7.5	8.2	6.0	6.0	8.6	6.7
15-----	6.4	5.25	10.2	6.2	8.2	10.6	7.0	8.9	6.0	6.0	7.5	6.0
16-----	5.8	5.6	8.5	6.2	8.1	9.6	7.0	9.0	6.0	6.7	8.4	5.9
17-----	6.1	5.35	8.0	6.5	7.6	10.5	7.0	8.8	6.0	7.0	8.2	7.6
18-----	6.7	5.2	7.2	8.0	7.2	14.8	7.0	7.0	6.0	8.0	9.8	7.8
19-----	6.6	5.2	6.7	7.0	6.5	13.8	7.0	7.2	6.0	7.0	10.3	6.6
20-----	6.0	4.9	6.2	6.0	6.5	12.5	6.9	7.2	6.0	7.9	8.4	6.5
21-----	6.0	5.0	6.6	6.0	6.5	9.8	7.0	6.9	6.2	8.0	8.3	6.4
22-----	6.6	5.1	7.0	6.2	7.2	9.0	7.6	7.0	6.4	8.3	7.0	6.3
23-----	7.0	5.2	6.2	6.5	7.6	8.8	8.2	6.8	6.3	6.4	6.5	6.2
24-----	7.5	5.1	5.2	6.4	8.1	8.5	7.6	6.8	6.2	6.0	6.4	6.1
25-----	9.5	5.1	6.1	11.2	8.0	8.4	6.8	8.4	6.1	6.0	6.3	6.0
26-----	8.2	5.15	6.4	14.5	7.4	8.4	6.5	8.4	6.0	6.0	6.2	5.9
27-----	7.0	5.1	6.2	15.5	7.1	9.2	8.8	7.0	6.0	6.0	6.2	5.8
28-----	5.1	5.15	6.2	15.4	7.0	10.4	9.8	7.0	6.0	5.8	7.1	5.8
29-----	6.4	5.2	6.2	13.0	7.0	17.9	9.2	6.8	6.0	5.8	7.3	6.0
30-----	5.2	5.2	6.2	12.4	-----	15.6	8.6	6.7	6.0	5.8	7.0	7.0
31-----	5.2	-----	6.1	8.1	-----	12.6	-----	6.5	-----	5.6	6.5	-----

Monthly discharge of Oconee River at Fraley's Ferry, near Milledgeville, Ga.

[Drainage area, 2,840 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square Mile.		
1905						
October 20-31-----	870	600	770	0.271	0.12	A.
November 1-14-----	2,150	690	1,090	.384	.20	A.
1906						
May 23-31-----	2,150	1,490	1,720	.606	.20	A.
June-----	15,000	1,380	4,380	1.54	1.72	B.
July-----	12,000	1,610	4,370	1.54	1.78	B.
August-----	7,250	1,380	3,700	1.30	1.50	A.
September-----	5,650	1,380	3,000	1.06	1.18	A.
October-----	10,000	1,610	3,220	1.13	1.30	A.
November-----	3,080	1,610	1,880	.662	.74	A.
December-----	4,880	1,610	2,460	.866	1.00	A.

WATER POWERS OF GEORGIA

Monthly discharge of Oconee River at Fraley's Ferry, near Milledgeville, Ga.
—Continued

[Drainage area, 2,840 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on Drainage area)	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	6,050	1,870	2,580	.908	1.05	A.
February	13,500	2,150	4,270	1.50	1.56	B.
March	10,500	1,870	3,520	1.24	1.43	A.
April	7,250	1,870	2,850	1.00	1.12	A.
May	3,770	1,380	2,160	.761	.88	A.
June	6,650	1,270	2,180	.768	.86	A.
July	6,050	1,080	2,240	.789	.91	A.
August	3,770	830	1,670	.588	.68	A.
September	9,000	690	2,080	.732	.82	A.
October	3,250	910	1,230	.433	.50	A.
November	13,000	990	2,850	1.00	1.12	A.
December	15,000	1,870	5,080	1.79	2.06	C.
The year	15,000	690	2,730	.959	12.99	
1908						
January	14,000	2,600	5,420	1.91	2.20	C.
February	17,000	3,770	7,850	2.76	2.98	C.
March	21,000	2,600	5,270	1.86	2.14	C.
April	22,000	2,600	6,920	2.44	2.72	C.
May	5,260	2,300	3,090	1.09	1.26	A.
June	6,650	1,610	2,460	.866	.97	A.
July	6,050	1,270	2,480	.873	1.01	A.
August	30,000	1,170	5,950	2.10	2.42	C.
September	4,880	1,380	2,110	.743	.83	A.
October	6,250	1,270	1,990	.701	.81	A.
November	3,770	1,870	2,360	.831	.93	A.
December	14,000	1,870	3,630	1.28	1.48	A.
The year	30,000	1,170	4,130	1.45	19.75	
1909						
October 6-31	10,000	1,270	2,400	0.845	0.82	B.
November	3,770	1,490	1,850	.651	.73	A.
December	3,500	1,610	2,240	.789	.91	A.
1910						
January	8,300	1,740	2,810	0.989	1.14	A.
February	10,000	2,080	5,090	1.79	1.86	B.
March	13,000	2,300	4,190	1.48	1.71	B.
April	8,200	1,870	2,780	.979	1.09	A.
May	3,950	1,610	2,330	.824	.95	A.
June	9,000	1,320	3,020	1.06	1.18	A.
July	12,000	1,740	4,570	1.61	1.86	B.
August	2,680	1,080	1,470	.518	.60	A.
September	5,260	990	1,940	.684	.76	A.
October	7,860	1,080	1,780	.627	.72	A.
November	1,610	1,170	1,240	.437	.49	A.
December	4,310	1,170	1,830	.644	.74	A.
The year	13,000	990	2,740	.964	13.10	
1911						
January	7,650	1,490	2,330	0.820	0.95	A.
February	4,500	1,490	2,180	.768	.80	A.
March	7,050	1,320	2,020	.711	.82	A.
April	7,450	1,740	3,390	1.19	1.33	A.
May	2,600	990	1,520	.535	.62	A.
June	3,250	660	1,090	.384	.43	A.
July	7,250	760	2,340	.824	.95	A.
August	7,250	910	2,330	.820	.95	A.
September	1,610	600	951	.335	.37	A.
October	12,500	470	2,790	.982	1.13	A.
November	10,700	1,490	2,970	1.05	1.17	A.
December	21,100	1,380	4,940	1.74	2.01	B.
The year	21,100	470	2,410	.849	11.53	

NOTE.—The discharge for days when the stage was above the top of the gage was estimated from the combined discharge at Greensboro and Buckhead.

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Oconee River at Fraley's Ferry, near Milledgeville.—
Continued.

(Drainage area, 2,840 square miles.)

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1912						
January	11,100	2,300	4,260			
February	14,500	2,760	6,780			
March	41,300	3,050	10,200			
April	22,500	3,080	7,870			
May	10,000	2,150	4,060			
June	29,000	2,760	7,470			
July	13,000	1,870	4,870			
August	6,450	1,610	2,620			
September	9,340	1,380	2,600			
October	4,500	990	2,310			
November	7,650	1,610	2,350			
December	6,450	1,870	2,430			
The year	41,300	990	4,800			
1913						
January	11,600	1,870	3,670	1.29	1.49	B.
February	7,450	2,600	4,180	1.47	1.53	A.
March	49,700	3,250	11,800	4.15	4.78	C.
April	16,100	2,450	4,200	1.48	1.65	B.
May	3,420	1,870	2,190	.771	.89	A.
June	8,070	1,380	2,770	.975	1.09	A.
July	4,130	1,080	2,130	.750	.86	A.
August	4,130	1,080	2,120	.746	.86	A.
September	7,250	870	1,990	.701	.78	A.
1913-1914						
October	6,650	1,040	2,150	0.757	0.87	A.
November	2,600	1,270	1,460	.514	.57	A.
December	7,250	1,380	2,160	.761	.88	A.
January	7,050	1,740	2,590	.912	1.05	A.
February	5,650	1,740	2,890	1.02	1.06	B.
March	6,050	1,870	2,530	.908	1.05	A.
April	8,070	1,490	2,760	.972	1.08	A.
May	1,490	690	1,090	.384	.44	A.
June	2,150	618	1,060	.373	.42	A.
July	2,300	504	1,190	.419	.48	A.
August	4,130	690	1,900	.669	.77	A.
September	2,010	460	859	.302	.34	B.
The year	8,070	460	1,890	.665	9.01	

NOTE.—Discharge for days when water was over the gage was estimated from the records of other Oconee River Stations.

WATER POWERS OF GEORGIA

Monthly discharge of Oconee River at Fraley's Ferry, near Milledgeville, Ga.
—Continued.

[Drainage area, 2,840 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1914-1915						
October.....	18,900	660	4,010	1.41	1.63	B.
November.....	17,800	1,170	2,930	1.03	1.15	B.
December.....	17,200	2,450	5,880	2.07	2.39	B.
January.....	20,600	3,420	6,380	2.25	2.59	B.
February.....	10,700	2,920	4,590	1.62	1.69	B.
March.....	10,200	2,150	3,640	1.28	1.48	B.
April.....	3,080	1,740	2,240	.789	.88	A.
May.....	8,910	1,490	3,340	1.18	1.36	B.
June.....	3,950	1,080	2,190	.771	.86	A.
July.....	5,650	830	1,800	.634	.73	A.
August.....	5,070	618	2,030	.715	.82	A.
September.....	1,870	570	1,050	.370	.41	A.
The year.....	20,600	570	3,340	1.18	15.99	
1915-1916						
October.....	13,800	1,320	4,080	1.44	1.66	
November.....	3,420	1,270	1,830	.644	.72	
December.....	14,500	1,490	4,520	1.59	1.83	
January.....	13,200	2,300	3,700	1.30	1.50	
February.....	15,000	2,150	4,480	1.58	1.70	
March.....	8,280	2,150	3,540	1.25	1.44	
April.....	2,920	1,380	1,960	.690	.77	
May.....	2,760	910	1,320	.465	.54	
June.....	3,080	950	1,520	.535	.60	
July.....	12,800	1,270	6,960	2.45	2.82	
August.....	15,600	1,080	3,200	1.13	1.30	
September.....	2,600	795	1,350	.475	.53	
The year.....	15,600	795	3,210	1.13	15.41	
1916-1917						
October.....	3,000	632	1,160	0.408	0.47	
November.....	1,790	925	1,140	.401	.45	
December.....	2,840	1,320	1,820	.641	.74	
January.....	14,900	1,320	3,460	1.22	1.41	
February.....	13,200	1,790	5,220	1.84	1.92	
March.....	23,800	3,000	8,730	3.07	3.54	
May.....	4,790	1,430	2,220	.782	.90	
June.....	3,000	1,120	1,720	.606	.68	
July.....	2,520	835	1,570	.553	.64	
August.....	5,360	750	2,170	.764	.88	
1917-1918						
November 4-30.....	3,670	1,020	1,940	0.683	0.69	
December.....	2,210	1,270	1,510	.532	.61	
January 1-28.....	7,760	1,270	3,530	1.24	1.29	
February 4-28.....	7,970	2,360	3,300	1.16	1.08	
March.....	2,680	1,430	1,970	.694	.80	
April.....	3,160	1,540	2,070	.729	.81	
May.....	3,330	880	1,670	.588	.68	
June.....	3,330	632	1,400	.493	.55	
July.....	4,980	430	1,980	.697	.80	
August.....	9,240	595	2,010	.708	.82	
September.....	2,360	525	1,060	.373	.42	

OCONEE RIVER AT DUBLIN, GA.

Location.—At the Wrightsville & Tennille railroad bridge at Dublin, Ga.

Drainage Area.—4,180 square miles.

Records Available.—February 11, 1898, to December 31, 1912; fragmentary records prior to 1898.

Gage.—Vertical timber attached to downstream side of central or turnspan-pier of railroad bridge; also a short sloping section bolted to rock just above the bridge on the right bank.

Discharge Measurements.—Made from downstream side of wagon bridge, 500 feet above railroad bridge.

Channel and Control.—Rocky and nearly permanent at wagon bridge, shifting in bottom of channel below bridge. At a stage of about 20 feet the left bank overflows for 1,100 feet through an iron frame trestle approach to the bridge. This ground is thickly covered with brushy growth, which probably retards the flow of water over the overflow section. The right bank does not overflow.

Regulation.—The only power plant of consequence is near Athens, Ga., and is so far above the station that its operation probably does not greatly affect the flow at Dublin.

Accuracy.—Lack of data covering changes in channel makes results at this station uncertain. A good degree of accuracy may be obtained by making frequent discharge measurements.

Discharge measurements of Oconee River at Dublin, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1910	Feet.	Sec.-ft.
April 19 -----	5.08	7,080	April 26 -----	1.83	2,860
1909			November 10 -----	1.14	1,360
April 7 -----	3.88	4,480	November 10 -----	1.13	1,400
November 23 -----	.48	1,960			
1910			1911		
April 26 -----	1.91	2,880	July 28 -----	1.70	3,020
			July 28 -----	1.50	2,820

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Oconee River at Dublin, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	4,050	3,330	6,820	2,430	4,550	2,700	7,700	7,040	1,250	8,540	1,100	8,540
2	6,380	5,250	7,480	2,520	4,350	2,700	8,060	7,150	1,020	8,900	1,180	7,940
3	7,370	8,300	7,700	2,700	4,050	5,550	6,490	5,050	950	8,540	1,180	6,820
4	7,700	9,860	8,900	2,790	4,250	5,550	5,950	2,700	800	4,550	1,180	6,050
5	8,300	10,800	9,860	2,880	4,550	2,970	4,850	2,700	1,850	2,970	1,250	4,550
6	6,600	11,700	11,300	2,970	4,750	3,150	3,870	2,520	2,610	2,700	1,320	4,050
7	5,350	12,700	12,100	3,330	6,050	2,610	4,050	2,340	2,700	2,430	1,320	3,600
8	4,550	13,200	11,800	5,780	4,150	2,430	2,970	2,250	2,430	2,250	1,400	3,510
9	4,150	17,200	8,300	4,550	3,600	2,170	3,150	2,250	1,850	2,170	1,400	3,330
10	4,050	18,000	5,550	4,750	7,940	2,010	2,790	1,850	3,240	2,250	1,250	2,700
11	4,050	15,700	5,050	4,350	7,700	1,930	1,930	1,780	3,600	2,700	1,250	2,700
12	3,870	11,300	4,750	3,960	6,600	1,850	1,020	2,250	4,150	2,170	1,250	2,790
13	3,780	6,600	4,450	3,960	6,050	1,850	1,780	2,700	2,880	1,850	1,100	2,880
14	3,600	5,950	4,250	3,150	4,750	1,850	1,850	2,700	2,610	1,780	1,780	7,150
15	3,600	5,050	4,250	3,150	4,550	2,520	2,700	4,150	1,850	1,620	2,430	11,100
16	3,600	4,650	5,050	3,150	4,250	4,550	3,150	3,150	1,550	1,620	2,250	11,400
17	3,330	4,350	5,750	3,330	4,250	4,850	3,150	3,420	1,400	1,700	2,170	13,200
18	3,150	5,150	5,050	5,050	3,600	3,150	2,790	5,150	1,250	1,620	1,850	14,200
19	3,060	4,050	4,750	5,350	3,780	2,250	2,520	5,050	1,180	1,480	1,930	14,600
20	3,060	4,250	4,550	7,150	3,600	1,930	2,250	4,550	1,100	1,320	1,930	12,100
21	3,240	4,550	4,150	6,030	3,420	1,780	2,170	4,550	1,020	1,250	2,700	11,500
22	2,970	4,550	4,050	5,750	2,700	1,700	2,090	3,150	950	1,250	3,780	5,650
23	2,970	5,550	3,690	6,600	2,700	1,620	2,250	2,250	950	1,180	5,550	7,940
24	2,880	4,250	3,600	7,150	2,610	1,550	2,010	1,850	1,480	1,320	8,420	11,400
25	2,790	4,050	3,330	7,940	2,340	1,550	1,550	1,850	1,700	1,400	9,140	12,800
26	3,150	4,050	4,050	9,500	2,250	1,700	1,480	1,700	2,250	1,400	10,800	15,600
27	3,330	4,650	2,790	13,800	2,250	1,850	1,400	1,480	5,550	1,250	10,100	22,000
28	3,510	5,550	2,700	10,800	2,700	2,090	2,430	1,480	6,600	1,180	12,800	22,200
29	3,600	-----	2,700	7,040	2,610	3,600	2,170	1,400	3,150	1,180	11,400	20,200
30	3,510	-----	2,700	6,380	4,050	5,350	5,750	1,320	7,700	1,180	8,180	19,600
31	3,600	-----	2,430	-----	3,150	-----	8,300	1,250	-----	1,100	-----	12,800
1908												
1	12,000	9,980	8,300	18,200	30,200	4,350	2,610	3,150	29,000	2,170	7,590	2,700
2	12,500	14,500	7,480	13,600	23,000	4,350	2,520	2,610	23,700	2,250	6,380	2,610
3	14,200	16,400	7,040	9,020	23,700	3,600	2,700	2,010	15,800	2,090	3,690	2,610
4	15,700	17,400	6,710	7,480	19,800	3,510	2,610	1,930	6,820	1,780	3,510	2,790
5	16,000	26,200	6,600	6,710	14,400	3,150	4,250	1,930	3,870	1,780	2,970	3,150
6	13,900	25,400	6,600	6,380	9,260	2,880	6,050	2,010	3,420	1,700	4,550	3,240
7	14,500	22,000	6,490	6,930	7,700	4,450	6,600	4,750	5,050	1,700	5,550	3,060
8	15,000	17,200	6,160	7,700	7,150	4,050	6,490	6,600	6,270	1,700	5,050	2,700
9	12,500	14,100	6,050	6,930	6,820	3,600	7,700	7,370	5,950	1,930	3,960	2,610
10	15,000	11,400	5,850	7,150	6,710	2,880	7,820	7,590	5,050	1,930	3,600	4,250
11	16,200	11,100	5,750	6,490	6,600	2,700	8,060	6,380	3,780	1,930	3,150	4,950
12	19,600	11,000	5,250	5,650	5,950	2,520	8,180	8,180	3,240	2,520	3,150	4,450
13	18,800	16,900	5,250	5,050	5,350	3,420	5,950	7,700	2,970	4,050	2,880	3,960
14	18,000	22,700	5,250	4,850	5,050	3,510	5,550	4,950	2,700	3,690	2,790	5,350
15	16,400	24,600	5,250	5,850	4,750	3,150	4,750	2,880	2,520	2,790	2,970	4,050
16	21,500	23,400	5,250	8,060	4,650	2,610	4,850	2,520	2,340	2,340	5,350	3,600
17	20,400	22,000	4,550	11,400	4,550	2,520	4,350	2,520	2,250	2,250	5,650	3,420
18	18,200	19,900	4,550	15,700	4,550	4,050	3,420	2,250	2,170	2,170	4,650	3,330
19	14,800	19,800	4,550	21,200	4,550	4,350	2,700	2,010	2,090	2,010	3,960	3,330
20	12,100	20,100	4,550	21,500	5,450	4,250	2,700	2,430	2,010	1,930	3,510	3,240
21	9,500	19,300	4,450	19,800	6,050	3,600	3,330	2,880	1,930	1,930	3,150	3,150
22	8,540	18,500	4,450	17,200	5,850	3,150	2,430	4,050	2,010	1,930	2,880	3,150
23	7,370	17,500	7,150	16,000	5,450	5,550	2,170	5,750	2,010	1,930	2,970	4,250
24	6,600	15,800	13,500	15,000	4,650	7,820	2,170	5,950	2,010	1,850	2,880	8,300
25	5,550	13,400	18,500	12,800	4,450	8,180	2,170	6,050	2,010	1,850	2,790	9,140
26	6,050	10,400	23,700	12,800	3,870	5,450	2,340	7,260	1,930	2,010	2,700	11,400
27	5,550	9,260	31,000	16,200	3,600	4,550	2,090	8,900	2,010	2,090	2,880	12,800
28	5,850	8,660	31,200	21,500	3,870	3,690	2,010	11,700	2,090	2,250	2,880	15,400
29	6,050	8,660	29,000	28,800	3,600	3,060	2,010	27,100	2,090	2,610	2,700	14,200
30	5,550	-----	25,400	32,200	3,600	2,790	2,010	34,200	2,170	3,870	2,700	10,500
31	5,750	-----	22,000	-----	3,780	-----	2,010	33,000	-----	6,930	-----	5,250

NOTE.—The daily discharge for 1907 and 1908 are based on a rating curve that is only approximate. Discharges for 1909 are based on a rating curve that is poorly defined.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Oconee River at Dublin, Ga.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	3,830	2,990	18,100	9,010	4,420	4,880	3,490	4,340	1,680	1,900	1,900	1,900
2	3,490	2,910	15,500	7,390	6,840	4,970	3,400	4,780	1,750	1,750	1,820	1,820
3	4,340	2,830	11,200	6,400	8,650	4,170	2,910	4,520	1,680	1,680	1,820	1,820
4	3,920	2,830	7,390	5,850	9,490	3,920	2,750	5,260	1,560	1,680	1,900	1,900
5	3,490	2,830	7,280	5,260	9,870	6,400	2,590	5,850	1,560	1,680	2,120	1,900
6	4,700	2,830	6,840	4,970	9,870	7,830	2,270	7,830	1,500	1,680	2,200	1,900
7	3,150	3,400	6,290	4,600	9,250	8,650	4,600	8,650	1,560	1,680	2,040	2,040
8	5,260	6,290	5,160	4,340	5,850	9,740	7,390	9,740	1,620	1,680	1,970	2,040
9	6,290	8,050	6,950	5,260	4,420	10,300	8,770	12,400	1,750	1,680	1,970	1,970
10	4,170	9,010	7,610	6,180	3,830	4,340	9,610	12,700	1,750	1,680	1,900	2,830
11	4,420	8,770	8,530	5,850	3,660	3,920	9,740	11,200	1,820	1,680	1,970	3,400
12	3,580	10,100	9,490	5,350	4,170	3,490	10,000	8,290	1,820	1,620	1,970	3,150
13	3,320	12,200	13,300	4,700	4,420	3,070	10,100	6,290	1,750	1,620	1,900	2,830
14	3,320	20,800	21,200	4,520	3,830	3,070	10,400	7,830	1,680	1,620	1,900	2,590
15	3,400	21,200	28,300	4,260	3,490	3,240	5,750	8,650	1,750	1,620	1,900	3,150
16	3,400	21,300	33,900	4,080	3,150	3,400	5,750	7,060	1,750	1,750	1,900	4,170
17	3,490	19,500	31,200	4,000	2,990	3,400	6,290	5,160	2,430	5,160	1,820	4,170
18	4,170	16,300	30,200	3,920	2,910	3,920	6,620	5,850	3,150	5,960	1,820	4,170
19	6,180	16,500	25,600	3,830	3,490	5,450	4,780	6,290	5,350	7,390	1,820	3,150
20	6,950	16,200	21,800	3,580	3,920	5,850	4,780	4,260	5,850	6,290	1,970	3,320
21	6,070	15,500	18,800	3,490	6,840	5,850	3,830	3,240	6,290	3,240	1,900	3,070
22	5,650	14,000	14,600	3,320	8,050	5,650	3,150	2,670	4,700	3,150	1,900	2,910
23	5,160	11,800	18,400	3,240	8,650	4,970	3,580	2,350	3,240	2,750	1,820	3,320
24	4,000	11,600	17,900	3,150	9,010	5,160	2,590	2,120	3,070	2,590	1,900	3,150
25	3,400	11,400	19,100	3,150	7,280	4,780	3,400	1,970	4,260	3,070	2,040	2,910
26	3,490	10,700	18,100	6,730	4,880	4,170	3,320	1,750	5,160	2,750	3,660	2,510
27	3,400	14,800	15,700	6,510	4,170	4,080	3,150	1,680	5,350	2,430	3,740	3,490
28	3,240	16,000	12,700	6,070	3,920	3,400	2,270	1,750	3,920	2,350	2,910	4,260
29	3,240	-----	12,200	5,650	3,830	3,490	2,350	1,750	2,590	1,970	2,200	4,260
30	3,150	-----	11,900	5,260	4,170	4,000	2,910	1,680	2,200	1,900	1,900	3,660
31	2,430	-----	10,800	-----	5,160	-----	3,490	1,680	-----	1,900	-----	2,990
1910												
1	2,560	8,540	19,600	2,980	2,560	2,560	3,740	2,000	1,200	1,920	1,070	1,770
2	2,240	11,900	18,600	2,640	2,560	2,320	7,690	1,770	1,700	1,840	1,070	1,540
3	2,320	12,500	15,500	2,480	2,480	2,160	9,310	1,700	4,280	1,620	1,070	1,470
4	2,320	7,810	14,300	2,400	2,000	1,330	10,900	1,700	5,320	1,620	1,070	1,470
5	2,320	5,620	17,000	2,400	1,920	1,260	14,900	1,700	5,520	1,620	1,070	1,400
6	2,320	4,370	20,800	2,400	1,770	1,260	17,300	1,620	5,920	1,540	1,070	1,400
7	2,480	4,370	20,300	2,320	1,840	1,840	18,100	2,800	4,010	1,540	1,070	1,700
8	2,400	4,190	17,100	2,320	1,770	2,320	19,000	2,400	2,480	1,620	1,140	4,560
9	2,800	3,660	11,300	2,240	2,000	3,140	18,300	2,160	1,700	4,100	1,200	3,920
10	3,230	3,480	5,720	2,240	3,140	2,320	14,900	2,400	1,470	6,780	1,200	3,920
11	3,060	2,980	4,560	2,160	2,980	1,840	12,400	2,160	1,620	7,340	1,330	3,570
12	2,560	3,740	4,560	2,080	2,720	2,000	9,700	1,920	1,770	5,820	1,260	2,240
13	2,400	5,320	4,940	2,080	2,560	2,160	8,670	1,770	2,240	3,570	1,260	2,320
14	2,320	5,920	4,940	2,080	2,400	4,740	7,230	1,700	2,080	2,980	1,200	2,240
15	2,320	5,220	4,840	2,160	2,320	8,170	4,940	1,470	1,770	2,000	1,200	2,240
16	2,320	4,010	4,010	2,400	2,640	11,300	4,100	1,470	1,470	1,700	1,200	1,840
17	2,320	4,010	4,190	2,640	2,320	12,800	4,190	1,400	1,330	1,620	1,200	1,700
18	2,320	4,280	3,570	4,560	1,840	13,000	3,920	1,400	1,260	1,620	1,200	1,620
19	2,320	7,230	3,140	6,780	1,840	11,900	5,120	1,400	1,200	1,620	1,200	1,700
20	2,480	8,050	3,140	8,540	1,840	8,920	5,820	1,330	1,140	1,620	1,470	2,080
21	2,720	8,920	3,230	10,500	2,000	4,010	5,520	1,330	1,140	1,540	1,620	2,160
22	3,060	10,100	3,320	11,500	2,160	3,230	5,030	1,260	1,070	1,700	1,620	2,240
23	3,920	10,800	3,320	7,120	3,230	3,830	3,830	1,260	1,070	1,700	1,540	2,080
24	4,650	11,800	3,140	4,100	3,570	4,100	3,320	1,260	1,070	1,330	1,540	1,920
25	3,570	12,500	3,140	3,480	3,660	3,660	2,890	1,260	1,000	1,200	1,470	1,840
26	3,740	13,400	3,140	2,980	3,570	3,140	3,660	1,200	1,000	1,140	1,470	1,840
27	3,740	14,600	3,060	2,720	3,400	2,890	3,320	1,200	2,240	1,140	1,470	2,000
28	3,920	17,000	3,140	2,640	3,320	2,480	2,480	1,260	2,160	1,140	1,470	2,160
29	4,190	-----	3,140	2,640	3,140	2,320	2,080	1,200	2,000	1,070	1,470	1,920
30	7,690	-----	3,060	2,640	2,720	2,240	2,240	1,140	1,840	1,070	1,470	1,840
31	8,540	-----	3,060	-----	2,720	-----	2,160	1,140	-----	1,070	-----	1,840

NOTE.—These discharges were obtained from a rating curve which is not well defined.

Daily discharge, in second feet, of Oconee River at Dublin, Ga.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	2,180	2,100	2,420	4,720	2,420	1,400	1,220	1,460	3,310	1,040	9,660	3,580
2	2,740	2,100	2,340	3,580	2,500	1,400	1,100	1,340	4,720	1,040	5,980	3,490
3	2,980	2,100	2,340	3,060	2,580	1,280	1,040	1,460	3,580	980	3,580	3,060
4	4,720	2,100	2,340	2,900	2,740	1,160	1,040	6,090	3,060	980	3,140	2,740
5	7,960	2,100	2,340	2,740	2,580	1,100	1,100	8,210	2,740	980	2,820	2,580
6	8,600	2,100	2,340	3,060	2,340	1,100	1,530	8,080	1,530	920	2,580	2,340
7	9,120	2,100	2,260	3,310	2,260	3,220	1,530	8,080	1,400	920	3,060	2,180
8	5,540	2,180	2,260	4,420	1,810	3,310	3,060	8,080	2,740	860	2,580	2,180
9	4,820	2,340	2,180	5,320	1,740	1,950	2,340	6,760	2,820	860	5,320	1,950
10	3,670	2,340	2,180	5,120	1,810	1,880	1,950	6,200	1,530	800	7,360	1,880
11	3,400	2,420	2,180	7,240	1,740	1,600	1,880	2,500	1,340	800	8,470	1,880
12	3,060	2,580	2,100	9,380	1,530	1,460	1,880	2,900	1,340	2,740	9,520	1,880
13	2,820	4,030	2,100	9,250	1,530	1,400	1,880	2,340	1,280	2,740	10,600	1,880
14	2,820	6,310	2,340	9,380	1,530	1,400	1,950	2,260	1,220	2,740	11,400	1,880
15	2,820	6,420	2,180	9,660	1,460	1,340	3,400	2,260	1,220	2,660	7,960	1,880
16	2,740	5,220	2,180	10,100	1,600	1,280	8,080	1,670	1,160	1,600	7,720	2,260
17	2,740	4,220	2,180	10,200	1,880	1,280	8,340	1,530	1,160	1,530	3,490	7,240
18	2,660	3,850	2,180	8,860	1,810	1,340	7,840	1,460	1,160	1,530	2,820	8,600
19	2,420	3,580	2,100	6,090	1,530	1,340	7,840	1,600	1,160	2,340	2,580	9,120
20	2,420	2,420	1,950	5,650	1,460	1,340	7,360	2,180	1,160	5,020	2,660	5,870
21	2,340	2,180	1,950	5,430	1,460	1,340	5,220	3,580	1,340	6,530	2,900	5,220
22	2,340	3,140	1,950	4,420	1,400	1,530	2,980	2,580	1,400	4,520	2,740	7,120
23	2,180	3,400	2,100	3,850	1,400	1,880	2,340	1,810	1,740	3,940	2,340	12,800
24	1,950	3,310	2,020	3,140	1,460	1,950	3,060	1,600	2,020	5,020	2,260	15,700
25	2,180	3,060	1,950	3,580	1,530	1,950	3,140	1,340	1,740	7,360	1,880	22,600
26	2,340	2,980	2,100	3,060	1,600	1,880	2,340	1,160	1,810	7,840	1,950	30,200
27	2,260	2,580	2,980	2,660	2,820	1,400	1,950	1,100	1,600	4,320	1,880	32,100
28	2,180	2,500	6,640	2,500	2,420	1,340	3,060	1,100	1,530	3,580	1,880	27,900
29	2,100	---	8,600	2,420	2,340	1,530	2,180	2,340	1,400	5,320	1,950	23,600
30	2,100	---	8,990	2,420	1,740	1,400	1,740	2,980	1,280	8,080	2,340	22,200
31	2,100	---	7,240	---	1,950	---	1,740	2,180	---	8,860	---	18,400
1912												
1	14,300	12,300	21,400	13,000	10,400	8,340	12,500	2,500	2,260	3,760	2,580	3,580
2	11,200	12,700	19,500	14,600	8,470	9,660	10,500	2,420	2,260	3,140	2,660	3,490
3	11,000	12,800	17,300	16,400	7,480	8,600	7,600	3,060	1,950	2,980	2,740	3,140
4	7,840	12,300	15,000	16,800	7,480	6,310	6,090	3,400	1,810	2,740	2,660	3,060
5	12,300	11,000	12,800	15,100	8,730	6,090	8,470	3,400	1,600	2,580	2,420	2,980
6	13,600	8,860	14,500	10,600	9,660	10,600	8,860	3,400	1,530	3,060	2,420	2,980
7	11,200	4,320	16,000	7,600	11,100	13,000	7,840	3,060	1,400	3,940	3,140	3,140
8	9,120	4,420	17,500	6,800	12,800	17,800	8,340	2,980	2,100	4,220	7,960	3,490
9	18,000	4,620	22,000	6,420	14,100	19,500	8,600	2,900	2,340	3,910	10,500	4,030
10	14,800	4,620	24,400	5,870	15,900	30,200	8,340	3,400	2,260	2,900	12,200	3,940
11	11,200	4,820	23,400	5,980	16,800	31,000	7,840	4,520	2,180	2,580	13,000	3,850
12	17,300	4,320	17,100	6,310	16,200	26,800	8,340	6,640	3,220	2,340	8,730	3,850
13	18,400	4,220	18,600	6,200	11,400	20,900	8,470	7,600	4,120	2,260	5,020	3,060
14	14,800	4,120	16,800	6,090	7,240	12,800	9,800	7,720	4,820	2,180	4,030	2,820
15	14,500	7,120	15,900	6,090	6,310	6,640	10,500	4,720	4,120	2,020	3,490	2,740
16	12,000	10,600	17,500	5,980	5,650	6,090	13,600	3,760	3,400	2,980	3,670	2,500
17	9,660	12,000	18,400	7,480	5,540	8,990	16,200	3,940	4,620	3,140	3,060	2,340
18	9,120	14,500	34,100	12,200	5,220	9,940	17,800	3,580	4,320	3,140	3,810	2,900
19	8,340	16,800	43,400	14,500	5,120	11,900	16,200	5,120	3,670	2,980	3,220	2,900
20	5,870	18,600	43,900	22,000	4,620	15,700	12,700	4,320	3,400	2,740	3,060	2,820
21	6,310	18,800	42,200	28,500	4,220	19,900	7,600	3,580	2,500	2,580	2,980	2,660
22	5,980	17,100	36,700	29,600	4,030	19,500	5,980	3,490	2,260	4,030	2,980	2,420
23	5,980	16,000	29,600	31,000	3,850	14,100	4,520	3,400	2,340	5,980	2,900	2,180
24	4,720	14,600	23,200	32,300	3,850	5,980	5,320	3,310	3,140	5,120	2,820	5,020
25	4,520	16,800	18,000	31,000	3,580	4,720	5,870	3,060	7,120	4,320	2,740	9,380
26	5,020	18,600	14,300	30,000	3,400	5,320	4,520	2,980	8,340	3,140	2,580	10,500
27	4,320	20,500	13,000	27,500	3,140	7,840	3,940	3,580	9,250	2,340	2,580	11,000
28	4,030	22,800	13,300	23,800	3,140	9,380	3,490	3,580	9,660	2,420	2,580	9,380
29	4,720	22,200	13,600	19,700	3,850	11,100	3,060	3,140	6,640	2,580	2,580	6,880
30	4,920	---	13,100	15,100	4,030	12,000	2,900	2,660	5,020	2,660	3,140	6,090
31	7,600	---	12,300	---	6,310	---	2,580	2,420	---	2,580	---	4,320

NOTE.—Daily discharge computed from a rating curve fairly well defined between 1,800 and 32,300 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Oconee River at Dublin, Ga.
(Drainage area 4,180 square miles)

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	8,300	2,790	4,170	0.998	1.15	
February	18,000	3,330	7,660	1.83	1.91	
March	12,100	2,430	5,610	1.34	1.54	
April	13,800	2,430	5,210	1.25	1.40	
May	7,940	2,250	4,130	.988	1.14	
June	5,550	1,550	2,710	.648	.72	
July	8,300	1,020	3,370	.806	.93	
August	7,150	1,250	3,000	.718	.83	
September	7,700	800	2,390	.572	.64	
October	8,900	1,100	2,480	.593	.68	
November	12,800	1,100	3,780	.904	1.01	
December	22,200	2,700	9,840	2.35	2.71	
The year	22,200	800	4,530	1.08	14.66	
1908						
January	21,500	5,550	12,600	3.01	3.47	
February	26,200	8,660	16,800	4.02	4.34	
March	31,200	4,450	10,600	2.54	2.93	
April	32,200	4,850	12,900	3.09	3.45	
May	30,200	3,600	8,190	1.96	2.26	
June	8,180	2,520	3,940	.943	1.05	
July	8,180	2,010	4,020	.962	1.11	
August	34,200	1,930	7,370	1.76	2.03	
September	29,000	1,930	5,040	1.21	1.35	
October	6,930	1,700	2,390	.572	.66	
November	7,590	2,700	3,780	.904	1.01	
December	15,400	2,610	5,390	1.29	1.49	
The year	34,200	1,700	7,750	1.86	25.15	
1909						
January	6,950	2,430	4,130	.988	1.14	D.
February	21,300	2,830	11,200	2.68	2.79	D.
March	33,900	5,160	15,700	3.76	4.34	C.
April	9,010	3,150	5,000	1.20	1.34	B.
May	9,870	2,910	5,630	1.35	1.56	B.
June	10,300	3,070	4,990	1.19	1.33	B.
July	10,400	2,270	5,030	1.20	1.38	B.
August	12,700	1,680	5,470	1.31	1.51	B.
September	6,290	1,500	2,820	.675	.75	B.
October	7,390	1,620	2,580	.617	.71	B.
November	3,740	1,820	2,090	.500	.56	B.
December	4,260	1,820	2,930	.701	.81	B.
The year	33,900	1,500	5,630	1.35	18.22	
1910						
January	8,540	2,240	3,200	0.766	0.88	B.
February	17,000	2,980	7,730	1.85	1.93	B.
March	20,800	3,060	7,640	1.83	2.11	B.
April	11,500	2,080	3,670	.878	.98	B.
May	3,660	1,770	2,550	.610	.70	B.
June	13,000	1,260	4,310	1.03	1.15	B.
July	19,000	2,080	7,640	1.83	2.11	B.
August	2,800	1,140	1,610	.385	.44	B.
September	5,920	1,000	2,140	.512	.57	B.
October	7,340	1,070	2,200	.526	.61	B.
November	1,620	1,070	1,290	.309	.34	E.
December	4,560	1,400	2,150	.514	.59	B.
The year	20,800	1,000	3,820	.914	12.41	

NOTE.—The above estimates for 1907 and 1908 are more or less uncertain, especially at low stages. The monthly estimates for 1909 are more reliable than those for 1907 and 1908, but are still not good.

WATER POWERS OF GEORGIA

Monthly discharge of Oconee River at Dublin, Ga. —Continued.

[Drainage area, 4,180 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1911						
January	9,120	1,950	3,360	0.804	0.93	A.
February	6,420	2,100	3,060	.732	.76	A.
March	8,990	1,950	2,940	.703	.81	A.
April	10,200	2,420	5,250	1.26	1.41	A.
May	2,820	1,400	1,900	.455	.52	B.
June	3,310	1,100	1,590	.380	.42	B.
July	8,340	1,040	3,100	.742	.86	B.
August	8,210	1,100	3,170	.758	.87	B.
September	4,720	1,160	1,850	.443	.49	B.
October	8,860	800	3,180	.761	.88	B.
November	11,400	1,880	4,510	1.08	1.20	A.
December	32,100	1,880	9,240	2.21	2.55	B.
The year	32,100	800	3,600	.861	11.70	
1912						
January	18,400	4,030	9,760	-----	-----	A.
February	22,800	4,120	12,200	-----	-----	A.
March	43,900	12,300	21,300	-----	-----	B.
April	32,300	5,870	15,800	-----	-----	A.
May	16,800	3,140	7,540	-----	-----	A.
June	31,000	4,720	13,000	-----	-----	A.
July	17,800	2,580	8,330	-----	-----	A.
August	7,720	2,420	3,790	-----	-----	A.
September	9,660	1,400	3,790	-----	-----	B.
October	5,980	2,020	3,120	-----	-----	A.
November	13,000	2,420	4,260	-----	-----	A.
December	11,000	2,180	4,300	-----	-----	A.
The year	43,900	1,400	8,910	-----	-----	

APALACHEE RIVER NEAR BUCKHEAD, GA.

Location.—At the iron wagon bridge over Apalachee River, about 3½ miles north of Buckhead, and about 3 miles below the mouth of Hard Labor Creek.

Drainage Area.—440 square miles.

Records Available.—February 13, 1901 to December 31, 1908.

Gage.—Chain gage attached to the bridge.

Discharge Measurement.—Made from the bridge.

Channel and Control.—The right bank overflows at a stage of 10 feet for about 400 feet. The overflowed portion is thickly covered with trees and brushy growth, which greatly retards the flood water passing over it. Conditions of flow are fairly constant, and a fair rating has been developed at low and medium low stages.

Discharge measurements of Apalachee River near Buckhead, Ga.

Date	Width.	Area of section.	Gage height.	Discharge.
1907				
March	Feet.	Sq. ft.	Feet.	Sq. ft.
November 27	86	331	3.25	611
	86	387	3.26	578

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Apalachee River near Buckhead, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	5.4	4.8	6.0	2.4	2.6	5.5	2.55	2.2	1.0	3.0	1.65	3.4
2	5.1	5.7	7.1	2.5	2.7	4.0	2.25	2.15	.8	2.45	1.7	3.0
3	4.5	4.8	9.3	2.6	2.7	3.2	3.4	2.6	.9	2.2	1.6	2.85
4	3.7	3.6	8.0	2.5	2.8	2.5	6.5	2.75	2.9	2.1	1.6	2.55
5	3.5	8.0	5.4	2.6	4.6	2.3	4.3	2.3	2.1	2.05	1.65	2.4
6	3.1	10.9	3.9	2.6	3.1	2.2	3.0	2.0	1.95	1.95	1.65	2.35
7	2.9	7.0	3.6	2.7	2.9	2.1	2.0	2.1	1.9	1.5	1.65	2.3
8	2.8	5.2	3.4	3.0	2.7	2.1	1.9	1.9	2.1	2.0	1.6	2.2
9	2.8	4.0	3.4	3.2	2.9	2.0	1.9	2.0	1.9	2.3	1.6	3.4
10	2.85	3.6	3.2	2.8	2.7	1.8	1.8	3.7	1.85	1.9	1.65	3.0
11	2.8	3.4	3.1	2.65	2.7	1.7	1.75	2.05	1.6	1.8	1.85	2.9
12	2.7	3.2	3.0	2.55	2.6	2.6	1.9	1.4	1.6	1.75	2.0	2.8
13	2.55	3.1	3.0	2.5	2.5	3.5	1.85	1.85	1.45	1.8	2.2	3.2
14	2.55	2.95	2.95	2.65	2.45	5.0	2.5	1.75	1.3	1.1	1.7	6.0
15	2.6	2.85	3.3	2.6	2.5	4.3	1.9	3.3	1.15	1.9	1.5	5.5
16	2.55	2.7	3.4	2.55	2.45	3.8	2.45	3.6	.9	1.85	1.6	5.3
17	2.5	2.65	3.0	2.85	2.5	2.7	2.1	4.0	1.2	1.8	1.7	4.9
18	2.55	2.6	2.9	3.2	2.5	2.35	2.0	5.0	1.3	1.8	1.85	3.5
19	2.55	2.7	2.85	3.0	2.65	2.2	1.9	3.1	1.2	1.8	2.0	3.3
20	2.2	2.8	2.9	2.95	2.3	2.0	1.85	2.1	1.1	1.5	2.45	2.9
21	2.2	3.0	2.9	2.55	2.2	1.7	1.7	1.9	1.2	1.2	3.9	2.6
22	2.15	2.8	2.8	2.45	2.1	1.9	1.3	1.8	1.2	1.6	5.6	2.75
23	2.25	2.7	2.85	5.9	2.05	2.0	1.6	1.8	4.2	1.6	11.4	8.0
24	2.3	2.5	2.4	7.4	2.5	1.95	1.5	1.6	4.4	1.7	9.0	11.0
25	2.4	2.9	2.5	5.2	2.2	2.1	1.45	1.6	3.2	1.65	7.00	6.5
26	2.45	3.7	2.6	3.9	2.1	2.4	2.4	1.6	2.4	1.6	4.8	5.1
27	2.4	4.8	2.55	3.3	2.4	2.8	2.5	1.6	2.1	1.5	3.3	4.4
28	2.4	5.7	2.55	2.9	2.5	2.0	3.9	1.6	2.4	1.5	2.9	4.1
29	2.4		2.5	2.85	2.3	3.9	6.2	1.55	6.8	1.7	3.4	4.5
30	2.4		2.45	2.5	2.1	3.6	3.75	1.3	5.1	1.65	3.4	7.8
31	2.45		2.4		2.0		2.4	1.2		1.6		10.0
1908												
1	8.8	9.8	4.0	4.0	4.6	2.9	2.1	1.6	3.0	2.0	3.2	2.35
2	5.3	14.2	3.9	3.8	4.1	2.5	2.2	1.5	2.8	1.9	2.7	2.4
3	4.2	10.1	3.8	3.6	3.8	2.4	2.2	1.4	2.6	1.85	2.8	2.35
4	3.8	5.8	3.7	3.4	3.6	2.45	2.6	1.4	2.8	1.9	3.6	2.2
5	4.7	4.6	3.7	3.3	3.4	2.4	2.1	2.2	2.8	1.95	5.5	2.0
6	4.0	4.1	3.6	3.5	3.4	2.5	2.85	3.6	3.8	2.0	3.2	2.85
7	4.8	4.5	3.6	4.0	3.6	2.4	4.0	6.4	3.9	1.9	2.9	3.2
8	7.0	4.0	3.5	3.7	3.6	2.35	3.8	3.8	2.9	2.15	2.55	5.0
9	7.1	3.7	3.5	3.5	3.6	2.3	4.9	8.0	2.65	2.4	2.5	3.8
10	4.9	4.6	3.4	3.2	3.4	2.25	5.6	13.0	2.45	4.6	2.6	3.0
11	3.7	9.3	3.4	3.1	3.1	2.45	3.1	4.5	2.3	4.5	2.5	2.85
12	10.2	11.7	3.5	4.0	3.0	2.9	2.5	2.8	2.25	3.0	2.9	2.6
13	11.0	9.0	3.5	2.9	2.8	2.6	2.95	2.6	2.2	2.4	3.6	2.55
14	6.1	7.2	3.4	3.1	2.75	2.7	2.75	2.2	2.15	2.35	4.6	2.6
15	5.1	8.1	3.3	4.1	2.65	2.8	2.4	2.0	2.1	2.3	4.9	2.5
16	4.4	12.8	3.2	6.7	2.65	2.75	2.4	1.95	2.0	1.95	3.7	2.45
17	4.2	10.0	3.2	6.3	2.7	3.1	2.15	1.85	1.9	1.6	3.3	2.45
18	3.9	7.7	3.1	6.7	2.85	2.55	1.8	2.4	1.8	1.7	3.0	2.5
19	3.7	6.0	3.0	5.0	3.2	2.4	1.8	2.1	1.75	1.8	2.85	2.55
20	3.5	5.8	3.4	4.5	3.5	2.35	1.6	3.2	1.9	1.9	2.7	2.3
21	3.4	5.7	4.5	4.4	3.7	2.5	1.6	10.5	1.9	1.95	2.65	2.2
22	3.3	5.5	4.3	4.3	3.2	2.4	1.4	4.8	1.95	2.05	2.5	7.4
23	3.2	4.0	5.8	5.0	2.65	4.0	1.2	5.0	1.85	2.15	2.4	16.5
24	3.1	4.4	11.6	4.6	2.6	2.6	1.6	5.4	1.75	2.2	2.5	11.3
25	2.95	4.4	13.5	5.4	3.0	2.55	1.4	23.8	1.7	1.95	2.4	6.9
26	3.0	4.7	11.1	5.5	3.8	2.4	1.4	22.9	1.65	2.05	2.35	4.6
27	3.1	4.6	7.3	10.1	3.1	2.4	1.5	16.2	2.0	2.15	2.3	4.1
28	3.5	4.5	5.4	11.9	2.9	2.05	1.4	8.7	2.35	2.4	2.2	3.7
29	3.3	4.2	4.8	7.9	2.9	1.9	1.85	4.9	2.15	4.6	2.2	3.0
30	3.2		4.4	5.5	3.4	1.8	2.2	4.6	2.1	7.2	2.2	3.85
31	3.6		4.2		4.0		1.9	4.3		4.5		3.6

NOTE.—August 25, 1908, the highest stage reached was 27.5 feet, which is the highest recorded since the establishment of the station.

WATER POWERS OF GEORGIA

Rating table for Apalachee River near Buckhead, Ga., for 1907 and 1908.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.80	92	2.50	428	4.40	960	11.00	3,185
.90	108	2.60	453	4.60	1,020	12.00	3,535
1.00	124	2.70	478	4.80	1,080	13.00	3,885
1.10	141	2.80	504	5.00	1,140	14.00	4,235
1.20	158	2.90	530	5.20	1,202	15.00	4,585
1.30	176	3.00	557	5.40	1,265	16.00	4,935
1.40	194	3.10	584	5.60	1,329	17.00	5,285
1.50	213	3.20	611	5.80	1,394	18.00	5,635
1.60	232	3.30	639	6.00	1,460	19.00	5,985
1.70	252	3.40	667	6.20	1,526	20.00	6,335
1.80	272	3.50	695	6.40	1,592	21.00	6,685
1.90	293	3.60	723	6.60	1,659	22.00	7,035
2.00	314	3.70	752	6.80	1,727	23.00	7,385
2.10	336	3.80	781	7.00	1,795	24.00	7,735
2.20	358	3.90	810	8.00	2,135		
2.30	381	4.00	840	9.00	2,485		
2.40	404	4.20	900	10.00	2,835		

NOTE.—The above table is based on discharge measurements made during 1901 to 1908, and fairly well defined between gage heights 0.8 foot and 8 feet. Above about 15 feet the rating curve is approximate.

Monthly discharge of Apalachee River near Buckhead, Ga.

[Drainage area, 440 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	1,260	347	524	1.19	1.37	A.
February	3,150	428	896	2.04	2.12	A.
March	2,590	404	755	1.72	1.98	A.
April	1,930	404	601	1.37	1.53	A.
May	1,020	314	447	1.02	1.18	B.
June	1,300	252	507	1.15	1.28	A.
July	1,620	176	464	1.05	1.21	B.
August	1,140	158	384	.873	1.01	B.
September	1,730	92	375	.852	.95	B.
October	557	141	276	.627	.72	B.
November	3,320	213	621	1.41	1.57	A.
December	3,180	358	978	2.22	2.56	A.
The year	3,320	92	569	1.29	17.48	
1908						
January	3,180	544	1,080	2.45	2.82	A.
February	4,300	752	1,730	3.93	4.24	A.
March	4,060	557	1,090	2.48	2.86	A.
April	3,500	530	1,140	2.59	2.89	A.
May	1,020	453	636	1.45	1.67	A.
June	840	272	437	.993	1.11	B.
July	1,330	158	417	.948	1.09	B.
August	7,660	194	1,510	3.43	3.95	A.
September	810	242	392	.891	.99	B.
October	1,860	232	469	1.07	1.23	B.
November	1,300	358	560	1.27	1.42	A.
December	5,110	314	871	1.98	2.28	A.
The year	7,660	158	861	1.96	26.55	

NOTE.—At times the accuracy of the above results may be more or less affected by daily fluctuations caused by stored water above.

OHOOPEE RIVER NEAR REIDSVILLE, GA.

Location.—At the wooden highway bridge known as Sheppards bridge, 4½ miles west of Reidsville. It is below Pendletons Creek and above Rocky Creek.

Drainage Area.—1280 square miles.

Records Available.—June 13, 1903, to December 31, 1907.

Gage.—Vertical staff gage attached to the bridge from which discharge measurements are made.

Channel and Control.—Conditions of flow are practically permanent at this point, and a good rating has been developed.

The following discharge measurement was made April 18, 1907: Gage height, 2.39 feet; discharge, 426 second-feet.

Daily gage height, in feet, of Ohoopée River near Reidsville, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1-----	2.7	2.1	4.1	1.5	7.6	2.8	6.0	4.5	1.8	16.5	2.2	4.1
2-----	3.0	2.4	4.1	2.0	6.6	2.6	6.9	5.2	1.7	13.4	2.3	4.4
3-----	3.0	2.5	4.3	2.4	5.9	2.5	7.1	5.3	1.5	11.9	2.4	4.5
4-----	2.9	2.6	4.8	2.5	5.6	2.2	8.9	6.0	1.6	11.0	2.5	4.5
5-----	2.8	3.6	4.6	2.6	5.0	2.1	11.0	6.7	1.7	10.1	2.7	4.4
6-----	2.3	4.6	4.2	2.3	4.6	2.0	10.7	6.1	1.6	9.4	2.6	4.4
7-----	2.0	5.2	3.8	2.6	4.2	1.8	9.5	6.0	1.7	8.5	2.4	4.3
8-----	1.8	6.3	3.4	2.8	4.5	1.6	8.7	5.7	1.6	7.6	2.3	4.3
9-----	2.1	6.2	3.2	3.0	4.8	1.5	8.4	5.2	1.6	7.1	2.2	4.5
10-----	2.1	5.8	3.0	2.7	5.2	1.4	7.4	4.5	1.3	7.0	2.2	4.8
11-----	1.8	5.2	2.8	2.6	5.8	1.3	6.9	4.3	1.2	7.1	2.2	5.2
12-----	1.8	5.1	2.7	2.9	5.8	1.5	4.7	4.2	1.3	6.8	2.2	5.3
13-----	1.9	5.0	2.5	3.1	5.8	1.6	3.7	5.2	2.0	6.1	2.4	5.2
14-----	1.2	4.8	2.5	3.1	5.9	1.3	3.6	6.4	2.9	5.7	2.8	6.3
15-----	1.7	3.6	2.4	3.1	6.1	1.4	3.4	6.8	3.6	5.4	2.9	7.5
16-----	1.6	4.6	2.4	2.8	7.3	1.5	3.3	7.5	4.4	5.1	2.8	8.1
17-----	1.5	4.0	2.5	2.6	7.3	1.6	3.6	7.6	4.5	4.8	2.8	8.4
18-----	1.6	3.6	2.5	2.4	7.0	1.5	3.9	7.0	4.6	4.4	2.7	9.3
19-----	1.5	3.5	2.7	2.6	6.4	1.5	4.3	6.6	3.3	4.1	2.6	10.8
20-----	1.5	3.6	2.9	3.6	5.6	1.3	4.7	6.1	3.0	3.8	2.9	11.6
21-----	1.4	3.8	3.1	3.8	4.8	1.1	4.5	5.7	2.9	3.4	2.8	11.1
22-----	1.5	4.2	3.2	4.0	4.3	1.1	4.2	5.1	3.0	3.2	2.7	10.4
23-----	1.5	4.0	3.2	4.4	3.8	.9	3.2	4.9	3.0	3.1	2.7	9.8
24-----	1.4	4.1	3.0	5.3	3.2	.8	2.8	4.6	3.1	3.0	2.9	9.8
25-----	1.3	4.4	2.8	5.7	3.8	.7	2.2	4.5	3.0	2.8	3.1	11.0
26-----	1.3	4.3	2.4	5.8	3.0	.6	3.1	4.4	2.8	2.6	3.2	11.2
27-----	1.9	4.2	2.3	5.9	2.7	.7	3.5	3.6	2.7	2.6	3.7	10.6
28-----	2.3	4.0	2.0	6.4	3.2	1.0	3.6	2.8	3.0	2.5	3.4	11.0
29-----	2.7	-----	1.8	7.2	3.5	3.7	3.7	2.3	7.8	2.4	3.3	11.2
30-----	2.6	-----	1.7	8.1	3.5	5.1	3.5	2.0	15.5	2.3	3.7	11.6
31-----	2.1	-----	1.6	-----	3.3	-----	4.1	1.9	-----	2.3	-----	11.0

WATER POWERS OF GEORGIA

Rating table for Ochoopee River near Reidsville, Ga., for 1904 to 1907 inclusive.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.60	74	2.10	283	3.60	629	6.20	1,602
.70	83	2.20	302	3.70	659	6.40	1,685
.80	93	2.30	321	3.80	690	6.60	1,771
.90	104	2.40	341	3.90	722	6.80	1,860
1.00	115	2.50	361	4.00	755	7.00	1,950
1.10	127	2.60	382	4.20	824	8.00	2,430
1.20	140	2.70	403	4.40	895	9.00	2,950
1.30	153	2.80	425	4.60	968	10.00	3,500
1.40	167	2.90	447	4.80	1,043	11.00	4,120
1.50	182	3.00	470	5.00	1,120	12.00	4,820
1.60	197	3.10	494	5.20	1,198	13.00	5,590
1.70	213	3.20	519	5.40	1,277	14.00	6,440
1.80	230	3.30	545	5.60	1,357	15.00	7,340
1.90	247	3.40	572	5.80	1,438	16.00	8,290
2.00	265	3.50	600	6.00	1,520	17.00	9,290

Monthly discharge of Ochoopee River near Reidsville, Ga.

[Drainage area, 1,280 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	470	153	270	0.211	0.24	B.
February	1,640	283	856	.669	.70	B.
March	1,040	197	494	.386	.44	B.
April	2,480	182	737	.576	.64	B.
May	2,230	403	1,170	.914	1.05	A.
June	1,160	74	239	.187	.21	B.
July	4,120	302	1,370	1.07	1.23	A.
August	2,230	247	1,220	.953	1.10	A.
September	7,820	140	708	.553	.62	B.
October	8,790	321	1,820	1.42	1.64	A.
November	659	302	413	.323	.36	B.
December	4,530	789	2,490	1.95	2.25	A.
The year	8,790	74	982	.768	10.48	

EASTERN GULF OF MEXICO DRAINAGE BASINS
APALACHICOLA RIVER BASIN

DESCRIPTION

This Apalachicola basin is drained almost entirely by Chattahoochee and Flint rivers. These two main streams unite at the extreme southwest corner of Georgia to form Apalachicola River, which flows southward through Florida and empties into the Gulf of Mexico at Apalachicola. The basin is about 350 miles long and comprises an area of 19,500 square miles.

Chattahoochee River rises in the Blue Ridge in Lumpkin, White, and Habersham counties, Ga., near the northeast corner of the State, and flows southwestward until it reaches the Alabama line at West Point, Ga.; thence it flows southward, forming the western boundary of Georgia, until it reaches Apalachicola River at the southern boundary of the State. Its upper tributaries are Chestatee and Soque rivers, which join the Chattahoochee in Hall and Habersham counties, respectively. The basin of the Chattahoochee, which is slightly larger than that of the Flint, is peculiarly narrow, especially for the portion in the mountain and plateau regions. It lies between two ridges, higher than the country on either side, like two great levees, separating water from the many headwater tributaries of Tallulah, Broad, Oconee, Ocmulgee, and Flint rivers on the south and Ocoee, Etowah, and Tallapoosa rivers on the north. The fall line is well defined at Columbus, Ga., where the river breaks through the southern rim of its plateau basin. The greatest amount of fall after leaving the small headwater streams occurs at and immediately above Columbus. The mountain portion of the basin above Gainesville, Ga., is largely in forests and contains much land too steep for cultivation. The Piedmont Plateau and Coastal Plain areas are mostly cleared.

Flint River rises in Fulton County, Ga., a few miles south of Atlanta, and flows in a southerly direction to Apalachicola River. It drains the south-central portion of Georgia, extending from Atlanta south to the Florida line. The principal tributaries of the Flint are Whitewater, Elkins, Big Potato, Muckalee, Kinchafoonee, Ichawaynochaway, and Spring creeks. The upper portion of the Flint drains the granitic areas of the Piedmont Plateau, passing to the quartzites on the southern border, and, with less change in elevation than other Georgia streams, into the Coastal Plain. The fall line is not so well defined as it is on Chattahoochee River. The entire basin of the Flint is an agricultural country, and the lands are mostly cleared, both in the Plateau and Coastal Plain areas. Their roughest section, containing the most waste lands, is the pine mountain region

at the southern border of the Piedmont Plateau. An unusual feature of the regimen of its flow is that the low area contributes more low-water flow per square mile than the upper portions. The river at Albany has a greater minimum run-off per square mile than it has at Woodbury.

The mean annual rainfall for the Apalachicola basin is about 50 inches, except for the upper portion of the Chattahoochee drainage, where it reaches 60 inches.

Opportunities for water-power development are great, and in most parts of the basin the demand for power is good.

CHATTAHOOCHEE RIVER NEAR AERIAL, GA.

Location.—At the highway bridge, 2 miles south of Aerial, 7 miles west of Clarksville, and one-half mile above the mouth of Amy Creek.

Drainage Area.—118 square miles.

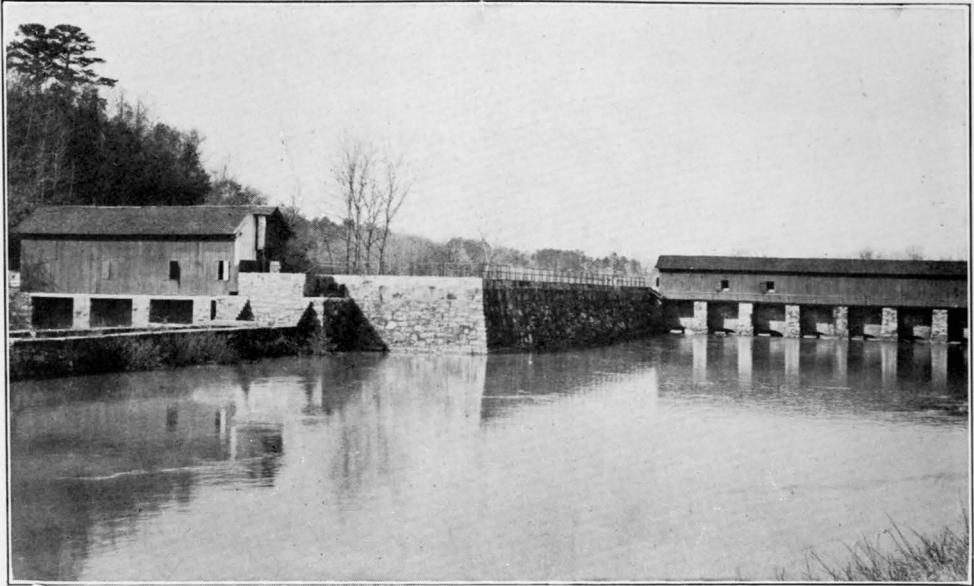
Records Available.—July 16, 1907, to June 30, 1909.

Gage.—Vertical staff gage, located 200 feet below the bridge, from which the discharge measurements are made.

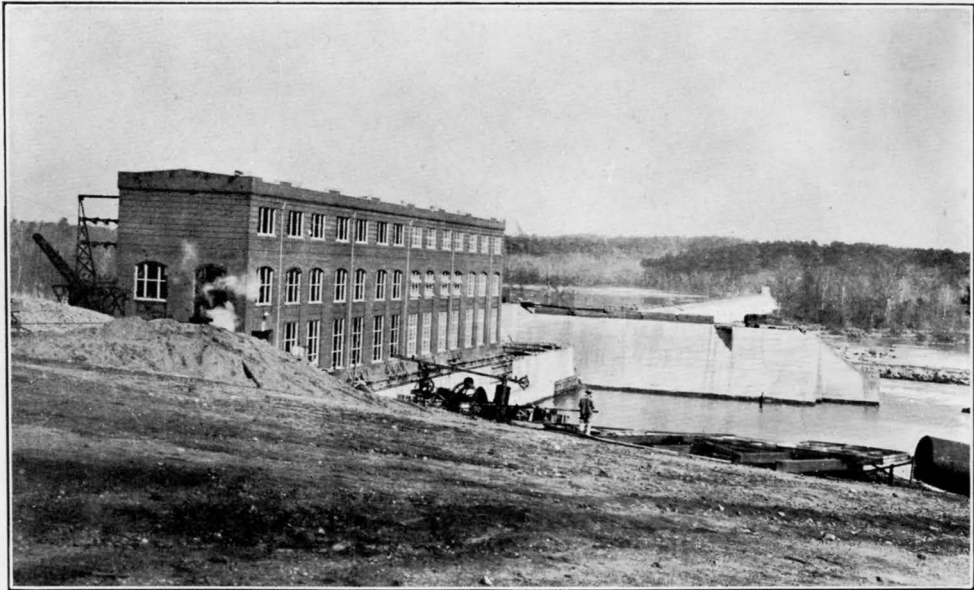
Channel and Control.—Channel conditions are favorable for a good rating, which has been developed for low stages.

Discharge measurements of Chattahoochee River near Aerial, Ga.

Date	Gage height.	Discharge.
	Feet.	Sec.-ft.
1907		
July 16.....	1.54	262
August 31.....	1.00	126
November 13.....	1.20	177
1909		
June 12.....	2.45	631



LOCKS ON AUGUSTA CANAL, SAVANNAH RIVER, NEAR AUGUSTA, GEORGIA.



DAM AND POWER PLANT, J. C. WHITE ENGINEERING CORPORATION, SAVANNAH RIVER, NEAR AUGUSTA, GEORGIA.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Chattahoochee River near Aerial, Ga.

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907							1907						
1		150	110	182	120	220	16	250	195	130	130	150	420
2		160	110	170	250	220	17	220	150	120	130	150	380
3		150	120	160	195	220	18	208	150	110	130	220	345
4		150	160	150	150	220	19	235	150	110	130	220	328
5		140	195	150	150	195	20	195	150	110	120	195	310
6		160	130	140	150	195	21	170	150	110	120		295
7		140	130	140	140	195	22	170	160	110	120		280
8		140	110	345	140	195	23	170	160		120		
9		140	130	150	130	380	24	160	170	280	120		
10		140	120	150	195		25	170	150	170	120		
11		140	220	140	220	420	26	160	130	170	110	380	400
12		170	130	130	170	328	27	160	130	150	150	310	362
13		170	120	130	170	295	28	150	130	195	140	280	380
14		150	120	130	160		29	160	130	170	140	265	420
15		150	110	130	150		30	220	130	208	130	250	
							31	160	120		120		

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1				420		310	208	195	170	140	195	310
2				420		310	195	182	170	130	195	345
3		420	420	400		295	328	170	160	130	195	250
4	420	400	420	380		345	265	195	160	130	250	220
5		380	420	380		345		195	208	130	195	195
6		420	400			295		280	345	130	182	195
7		380	380	420		280		220	220	130	170	
8		380	380	380		280		195	195	130	170	
9	400	345	380	380		280		220	182	150	170	
10	380		362	362		265		195	170	310	160	380
11	380		362	345		380	400	195	170	170	170	345
12				345		280	345	170	170	160	170	362
13			380	345	420	265	310	170	160	150	160	310
14			380	345	420		295	170	160	150	170	280
15			362		400	345	280	170	150	150	182	250
16			345		380	280	280	170	150	140	170	250
17			310		380	280	250	170	150	140	170	250
18			345		380	280	250	182	150	130	170	235
19	420		328			280	220	220	150	130	160	235
20	380				420	250	220	220	150	130	160	220
21	380				380	250	208	170	150	130	160	220
22	380		420		362	310	208		150	130	150	
23	345				345	280	195	280	150		150	
24	328			420	380	250	220	345	140	295	160	420
25	345				362	250	220	345	140	208	170	345
26	380				345	220	220	250	140	182	170	328
27	420				345	220	195	280	140	170	160	310
28	380				345	220	195	220	170	182	170	280
29	420				345	220	220	195	150		150	280
30	345				345	208	220	195	150	280	150	265
31	345				328		195	182		220		295

Daily discharge, in second feet, of Chattahoochee River near Aerial—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	Day	Jan.	Feb.	Mar.	Apr.	May	June
1909							1909						
1	280	250	510	580	-----	510	16	555	825	-----	465	420	580
2	265	250	605	555	945	510	17	710	605	885	465	400	580
3	250	280	605	555	710	945	18	510	555	795	444	380	555
4	280	280	465	510	655	-----	19	420	555	710	420	380	510
5	-----	265	465	510	580	-----	20	380	605	738	420	-----	510
6	555	400	580	488	532	-----	21	362	510	682	420	-----	510
7	420	310	555	510	510	945	22	345	-----	655	400	-----	655
8	380	280	510	465	488	945	23	345	-----	605	532	-----	555
9	345	280	465	510	465	765	24	345	-----	580	444	945	510
10	328	-----	-----	465	-----	710	25	328	765	-----	420	765	555
11	310	605	710	465	510	682	26	310	655	765	510	710	510
12	310	465	682	444	465	655	27	310	605	655	465	765	655
13	280	765	-----	605	444	605	28	295	555	-----	510	655	655
14	345	630	-----	555	420	580	29	310	-----	765	465	605	580
15	345	580	-----	510	420	655	30	280	-----	682	465	605	510
							31	250	-----	630	-----	555	-----

NOTE.—These discharges are based on a rating curve that is fairly well defined below 945 second-feet. Discharges for missing days, January to June, were greater than the highest discharge in table.

CHATTAHOOCHEE RIVER NEAR LEAF, GA.

Location.—At a covered wagon bridge known as Blacks Bridge, 1 mile from Leaf and about 4 miles above the mouth of Soque River, and 1 mile below Blue Creek.

Drainage Area.—150 square miles.

Records Available.—May 8, 1907, to December 31, 1907.

Gage.—The vertical staff gage is attached to the bridge from which discharge measurements are made.

Channel and Control.—The bottom of the river is composed of rock and is rough. The current is swift and considerably broken, especially at low water. A fairly good rating has been developed for low stages.

Discharge measurements of Chattahoochee River near Leaf, Ga.

Date	Gage height.	Discharge.
	Feet.	Sec.-ft.
May 8	1.42	438
June 15	1.21	267
July 16	1.40	367
August 31	.79	159
November 13	1.02	203

Daily discharge, in second-feet, of Chattahoochee River near Leaf, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1							229	184	149	229	160	286
2						595	229	184	149	212	310	286
3						460	246	184	286	198	212	246
4						390	760	184	198	198	212	246
5						362	333	184	229	184	184	246
6						333	266	198	160	184	184	246
7						310	246	184	160	184	184	229
8					390	333	229	172	160	362	172	229
9					425	362	212	172	160	198	172	460
10					362	310	212	172	149	184	545	
11					502	310	212	172	286	184	286	645
12					390	286	212	229	160	172	229	460
13					362	286	460	198	160	172	212	390
14					333	333	246	184	160	172	212	
15					460	286	286	184	149	172	198	
16					460	286	502	246	160	172	184	645
17					390	266	266	198	160	160	184	502
18					362	246	246	246	149	172	286	460
19					333	333	286	198	149	160	286	390
20					333	286	246	184	138	160	246	390
21					333	266	212	184	138	160		362
22					310	246	212	198	138	160	760	333
23					310	286	212	198		160		
24					333	310	198	212	390	160		
25					362	246	212	184	246	160		702
26					425	246	198	172	212	160	545	545
27					333	246	184	160	198	198	390	502
28					310	246	198	160	266	184	362	545
29					286	310	198	160	425	172	333	425
30					310	246	333	160	286	160	286	
31					545		198	160		160		

NOTE.—Daily discharge based on a well-defined rating curve. Beginning May 8 the discharge was greater than 860 second-feet for all missing days.

CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.

Location.—At Medlocks bridge, $1\frac{1}{2}$ miles upstream from mouth of John Creek, $4\frac{1}{2}$ miles north of Norcross, Gwinnett County, and about 5 miles above Suwanee Creek.

Drainage Area.—1,170 square miles.

Records Available.—January 9, 1903, to September 30, 1920.

Gage.—Standard chain gage on the bridge; read twice daily.

Discharge Measurements.—Made from downstream side of bridge.

Channel and Control.—Bed sandy; shifts. Low-water control is a rock shoal about $2\frac{1}{2}$ miles downstream; at higher stages shifting clay banks and other conditions may cause changes in the stage-discharge relation.

Regulation.—Diurnal fluctuation is caused by operation of hydroelectric plants on Chattahoochee and Chestatee rivers near Gainesville, Ga. For medium and high stages, estimates of discharge are probably not seriously in error owing to diurnal fluctuation in stage.

WATER POWERS OF GEORGIA

Discharge measurements of Chattahoochee River near Norcross, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907			1915		
March 2	Feet. 8.50	Sec.-ft. 9,880	December 29	Feet. 15.94	Sec.-ft. 23,300
March 2	8.75	10,200	December 30	21.22	35,700
July 6	2.61	1,670	December 31	12.70	13,000
1908			1916		
January 16	4.00	3,140	January 1	6.13	4,550
October 30	4.30	3,180	January 25	3.54	2,130
October 30	4.30	3,110	February 12	3.64	2,370
1909			May 20	2.07	1,140
February 4	2.72	1,580	May 24	9.83	9,890
February 4	2.72	1,670	June 16	3.47	2,340
May 18	3.54	2,400	October 12	2.27	1,300
May 18	3.51	2,400	December 5	2.53	1,520
August 4	7.06	6,540	1917		
August 4	7.53	7,280	July 14	2.20	1,270
September 8	2.26	1,330	1918		
September 8	2.26	1,330	January 28	3.68	2,450
October 23	2.67	1,630	March 9	2.81	1,800
October 23	2.70	1,600	April 9	6.34	5,440
November 5	2.25	1,270	April 9	5.87	4,890
November 5	2.24	1,290	May 18	2.48	1,540
1910			June 12	2.26	1,200
April 28	2.64	1,660	July 11	1.77	930
April 28	2.62	1,640	September 5	3.22	2,220
June 23	3.46	2,430	September 5	3.12	2,150
September 7	2.45	1,460	October 2	1.66	876
September 7	2.41	1,390	October 2	1.67	879
October 29	2.41	1,320	October 2	1.65	848
1911			1918		
March 15	2.36	1,340	November 15	2.53	1,380
April 13	6.36	5,360	December 24	11.97	11,900
April 13	6.30	5,370	1919		
September 29	1.68	767	March 15	4.76	3,860
September 29	1.68	803	April 22	3.74	2,860
1912			May 2	3.94	3,050
June 14	8.27	7,580	May 19	3.28	2,260
1913			August 8	2.40	1,530
March 13	7.61	7,190	September 5	2.12	1,170
March 13	7.80	7,710	October 29	2.17	1,180
March 14	11.19	12,900	December 6	2.33	1,290
March 14	11.54	13,200	December 12	7.14	6,830
March 15	12.79	14,300	December 12	6.41	5,580
1914			December 29	2.90	1,910
January 16	2.06	1,020	1920		
December 28	5.22	3,730	February 21	3.23	2,220
December 28	5.13	3,790	May 28	4.42	3,490
1915			May 28	4.42	3,470
September 28	1.78	879	May 28	4.42	3,450
			September 15	3.14	2,160
			November 13	2.31	1,300

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Chattahoochee River near Norcross, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	9.3	3.35	4.6	3.15	3.05	4.4	2.3	2.2	1.7	2.5	1.75	2.8
2	5.6	4.4	8.6	3.1	3.0	5.0	2.2	2.05	1.65	2.2	2.0	2.65
3	4.7	4.0	7.8	2.9	2.9	3.45	2.2	2.0	1.7	2.1	2.5	2.55
4	4.4	4.4	5.0	2.8	3.5	3.1	2.6	1.95	3.25	2.0	2.5	2.5
5	4.0	6.3	4.2	2.8	3.3	2.9	3.9	1.9	2.5	2.0	2.1	2.4
6	3.9	4.8	3.9	3.0	2.95	2.75	2.6	1.9	2.35	1.95	1.95	2.4
7	3.75	4.0	3.65	3.35	3.25	2.65	2.3	2.35	2.0	1.9	1.88	2.35
8	3.65	3.75	3.6	3.1	3.7	2.6	2.2	1.95	1.85	1.95	1.9	2.3
9	3.6	3.55	3.65	3.0	3.35	2.8	2.1	1.9	1.8	2.0	1.88	2.5
10	3.55	3.45	3.45	2.95	3.15	2.8	2.1	2.05	1.8	2.0	2.4	4.4
11	3.5	3.35	3.45	2.85	3.15	2.6	2.2	1.9	2.5	1.88	3.65	5.0
12	3.45	3.25	3.35	3.0	3.25	2.5	2.2	2.0	2.2	1.85	2.8	3.55
13	3.4	3.25	3.3	3.1	3.0	2.8	2.4	2.4	1.85	1.8	2.35	3.2
14	3.35	3.15	3.3	2.9	2.9	2.85	2.7	2.5	1.7	1.72	2.2	4.0
15	3.3	3.15	3.5	2.8	3.35	2.7	2.3	2.9	1.7	1.8	2.15	4.9
16	3.25	3.05	3.45	2.8	3.6	2.5	2.6	2.85	1.7	1.8	2.0	3.85
17	3.25	3.05	3.2	2.9	3.2	2.4	2.8	2.6	1.7	1.75	2.05	3.4
18	3.2	3.05	3.2	2.85	2.95	2.35	2.7	2.15	1.7	1.75	2.2	3.2
19	3.2	3.0	3.15	2.95	2.8	2.35	3.0	2.4	1.7	1.63	2.6	3.1
20	3.3	3.1	3.1	3.4	2.75	2.45	2.75	2.3	1.6	1.8	2.5	2.95
21	3.4	3.0	3.1	2.9	2.7	2.5	2.25	2.2	1.6	1.62	3.7	2.8
22	3.15	3.0	3.0	3.1	2.7	2.3	2.1	2.0	1.65	1.75	5.0	2.75
23	3.15	2.9	3.0	6.8	2.6	2.4	2.0	2.3	3.55	1.75	5.2	6.0
24	3.1	2.95	2.95	5.7	2.85	2.7	1.95	2.55	5.8	1.7	9.2	6.4
25	3.05	3.5	2.9	4.0	2.75	2.6	1.95	2.15	2.8	1.75	6.1	4.2
26	3.1	4.2	2.9	3.6	2.9	2.4	1.9	1.95	2.3	1.65	4.0	3.7
27	3.2	5.3	2.9	3.35	3.9	2.3	2.95	1.85	2.05	1.82	3.4	3.45
28	3.05	4.2	2.9	3.25	3.0	2.5	2.3	1.8	2.95	1.85	3.1	3.3
29	3.05	-----	2.9	3.2	2.7	2.65	2.15	1.8	3.5	2.1	3.4	3.4
30	3.0	-----	2.8	3.15	2.6	2.4	2.2	1.8	3.1	1.82	3.1	6.4
31	3.05	-----	2.8	-----	2.85	-----	3.45	1.7	-----	1.78	-----	12.4
1908												
1	6.0	5.8	3.8	4.0	4.6	3.15	2.5	2.2	2.25	1.9	2.6	2.3
2	4.6	6.3	3.7	3.95	4.4	3.1	2.5	2.15	2.2	1.9	2.45	2.45
3	4.1	4.4	3.7	3.85	4.2	3.0	2.65	2.1	2.2	1.88	2.65	2.65
4	3.75	3.9	3.7	3.7	4.1	3.15	3.55	2.1	2.1	1.85	3.55	2.5
5	5.0	3.65	3.6	3.7	4.1	3.3	4.4	2.45	3.5	1.8	3.1	2.35
6	5.0	3.7	3.6	4.2	4.2	3.2	4.7	3.85	5.6	1.8	2.65	2.3
7	4.4	3.65	3.6	4.3	6.7	3.05	3.6	3.2	3.4	1.8	2.45	6.2
8	4.2	3.45	3.5	3.9	5.8	3.0	3.5	3.1	2.6	1.8	2.4	11.4
9	3.75	3.35	3.5	3.75	4.4	2.9	3.35	3.8	2.35	2.5	2.3	5.3
10	3.55	4.1	3.4	3.7	4.2	2.9	4.2	2.8	2.25	4.4	2.3	3.85
11	4.6	9.2	3.45	3.6	4.0	3.1	3.5	2.45	2.2	3.55	2.25	3.4
12	9.0	7.8	3.7	3.55	3.85	3.15	3.05	2.3	2.2	2.6	2.2	3.55
13	7.0	5.8	3.8	3.45	3.8	2.9	2.85	2.2	2.15	2.25	2.25	3.4
14	5.0	5.3	3.55	3.4	3.7	4.0	2.8	2.2	2.1	2.1	2.35	3.05
15	4.3	10.2	3.4	4.4	3.65	4.1	2.7	2.1	2.1	2.1	2.4	2.9
16	4.0	11.4	3.4	6.5	3.6	3.35	2.6	2.1	2.0	2.05	2.45	2.8
17	3.9	6.6	3.3	6.2	3.85	3.0	2.6	2.2	2.0	2.0	2.3	2.7
18	3.75	5.4	3.3	5.1	3.75	2.95	2.5	2.6	2.0	2.0	2.2	2.65
19	3.6	5.4	3.3	6.0	4.3	3.0	2.4	2.6	2.0	1.95	2.35	2.6
20	3.5	5.4	3.8	5.2	4.2	2.9	2.4	2.95	2.0	1.98	3.4	2.7
21	3.4	4.8	5.4	4.5	3.65	3.0	2.3	2.4	2.0	1.98	2.2	2.8
22	3.35	4.4	4.6	4.2	3.5	3.4	2.3	4.3	2.0	1.95	2.15	5.8
23	3.3	4.2	7.4	4.1	3.45	3.45	2.25	4.5	2.0	2.05	2.15	7.8
24	3.25	4.2	12.2	3.9	3.4	3.05	2.25	4.95	2.0	3.7	2.2	4.6
25	3.15	4.0	10.2	9.7	3.65	3.1	2.3	4.45	1.9	3.0	2.2	3.7
26	3.1	4.2	6.0	13.6	3.4	2.8	2.3	4.1	1.9	2.45	2.2	3.35
27	3.25	4.2	5.2	7.4	3.9	2.7	2.3	3.0	1.9	2.3	2.05	3.15
28	3.25	3.95	4.8	5.8	3.45	2.6	2.2	2.7	1.95	2.4	2.05	3.0
29	3.2	3.85	4.4	5.1	3.4	2.6	2.4	2.5	2.05	3.7	2.2	2.9
30	3.2	-----	4.2	4.8	3.4	2.55	2.4	2.4	2.05	4.2	2.05	3.0
31	3.2	-----	4.1	-----	3.3	-----	2.3	2.3	-----	3.1	-----	3.2

WATER POWERS OF GEORGIA

Rating tables for Chattahoochee River near Norcross, Ga.

FOR 1907.a

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.60	750	3.00	2,100	4.40	3,740	6.60	6,720
1.70	830	3.10	2,210	4.50	3,860	6.80	7,005
1.80	910	3.20	2,320	4.60	3,980	7.00	7,295
1.90	990	3.30	2,430	4.70	4,110	7.20	7,535
2.00	1,080	3.40	2,540	4.80	4,240	7.40	7,835
2.10	1,170	3.50	2,660	4.80	4,370	7.60	8,185
2.20	1,260	3.60	2,780	5.00	4,500	7.80	8,495
2.30	1,360	3.70	2,900	5.20	4,760	8.00	8,805
2.40	1,460	3.80	3,020	5.40	5,040	9.00	10,440
2.50	1,560	3.90	3,140	5.60	5,320	10.00	12,155
2.60	1,660	4.00	3,260	5.80	5,600	11.00	13,920
2.70	1,770	4.10	3,380	6.00	5,880	12.00	15,760
2.80	1,880	4.20	3,500	6.20	6,160	13.00	17,700
2.90	1,990	4.30	3,620	6.40	6,440	14.00	19,650

FOR 1908.b

1.80	765	3.10	1,980	4.40	3,435	6.40	6,240
1.90	850	3.20	2,080	4.50	3,555	6.60	6,550
2.00	940	3.30	2,185	4.60	3,680	6.80	6,860
2.10	1,030	3.40	2,290	4.70	3,805	7.00	7,180
2.20	1,120	3.50	2,400	4.80	3,935	7.20	7,500
2.30	1,210	3.60	2,510	4.90	4,065	7.40	7,820
2.40	1,300	3.70	2,625	5.00	4,200	7.60	8,140
2.50	1,395	3.80	2,740	5.20	4,470	7.80	8,460
2.60	1,490	3.90	2,855	5.40	4,750	8.00	8,785
2.70	1,585	4.00	2,970	5.60	5,035	9.00	10,440
2.80	1,680	4.10	3,085	5.80	5,325		
2.90	1,780	4.20	3,200	6.00	5,625		
3.00	1,880	4.30	3,315	6.20	5,930		

aThe above table is based on discharge measurements made during 1904 to 1907, and is well defined.

bThe above table is based on three discharge measurements made during 1908, two measurements made during 1909, and nine measurements made during earlier years above gage height 6 feet. It is well defined. Above gage height 9 feet this table is the same as the 1907 table.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Chattahoochee River near Norcross, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	1,960	1,640	2,870	3,270	16,100	2,720	2,620	1,910	1,300	1,380	1,300	1,170
2	1,780	1,640	3,480	3,170	12,600	2,570	2,570	2,090	1,220	1,300	1,300	1,130
3	1,640	1,680	3,270	3,070	4,900	3,820	2,470	6,790	1,220	1,300	1,380	1,170
4	1,730	1,640	2,820	2,970	3,940	8,960	2,520	5,670	1,220	1,260	1,300	1,170
5	9,440	1,640	2,620	2,870	3,480	11,600	2,180	3,270	1,260	1,220	1,260	1,130
6	7,240	2,000	3,700	2,870	3,270	5,280	2,180	2,520	1,300	1,220	1,220	1,130
7	3,270	2,040	4,420	2,970	3,070	4,180	2,320	2,470	1,260	1,470	1,220	3,270
8	2,570	1,780	3,270	3,070	2,870	3,590	6,080	2,270	1,260	1,260	1,220	5,670
9	2,220	2,090	2,820	3,070	2,770	3,370	4,420	2,090	1,300	1,220	1,220	2,620
10	2,140	9,120	12,100	2,970	2,970	3,070	3,700	1,960	1,470	1,220	1,220	1,910
11	2,040	6,790	7,690	2,720	3,480	3,070	2,970	2,000	1,470	1,380	1,220	1,640
12	1,960	3,370	6,500	2,670	2,720	2,870	2,570	1,820	1,300	1,730	1,220	1,560
13	1,910	4,900	10,900	2,770	2,570	2,820	2,370	1,780	1,260	1,380	1,220	2,180
14	1,910	4,900	19,000	3,170	2,470	2,870	4,060	2,000	1,260	1,340	1,220	5,940
15	2,140	4,420	14,000	2,870	2,470	4,180	3,700	2,320	1,220	5,940	1,130	3,070
16	3,940	6,790	6,360	2,720	2,470	3,070	2,520	2,470	2,140	3,270	1,170	2,320
17	6,640	4,660	5,150	2,620	2,620	3,480	2,570	2,040	1,640	1,820	1,260	2,000
18	4,060	3,270	4,540	2,570	2,420	3,070	2,420	1,780	1,640	1,560	1,470	1,820
19	2,870	3,700	4,180	2,470	2,320	2,870	2,140	1,640	1,730	1,470	1,300	1,780
20	2,520	4,300	4,180	2,470	4,900	2,520	2,000	1,560	1,300	1,380	1,220	1,820
21	2,320	3,270	5,020	2,470	10,600	2,570	1,960	1,560	1,430	3,270	1,220	1,680
22	2,180	7,390	3,940	2,470	10,900	3,270	1,910	1,470	1,470	2,180	1,220	1,560
23	2,090	12,300	3,480	3,070	7,390	3,270	2,420	1,380	7,690	1,640	1,600	1,510
24	2,090	8,640	3,370	3,480	4,660	2,870	2,470	1,380	7,240	1,560	1,640	1,470
25	2,040	5,540	3,410	2,720	3,700	3,170	2,040	1,380	3,070	1,380	1,380	2,090
26	1,960	4,180	6,080	2,820	3,480	2,870	1,860	1,380	1,910	1,380	1,260	2,220
27	1,910	3,480	3,940	3,370	3,940	4,660	1,820	1,340	1,680	1,380	1,220	2,090
28	1,820	3,270	4,180	3,940	3,590	4,660	1,960	1,300	1,510	1,300	1,170	1,820
29	1,820	-----	5,670	3,070	3,070	3,940	1,820	1,300	1,470	1,300	1,130	1,680
30	1,820	-----	3,820	3,070	2,870	3,070	2,720	1,260	1,380	1,300	1,170	1,510
31	1,730	-----	3,480	-----	2,820	-----	2,180	1,300	-----	1,300	-----	1,380
1910												
1	1,560	1,820	3,940	1,470	1,380	2,040	3,070	1,560	6,220	1,640	970	1,170
2	1,560	1,730	5,150	1,470	1,380	2,000	3,070	1,470	2,970	1,220	1,170	1,170
3	1,510	1,730	3,480	1,470	1,380	2,520	2,870	1,640	2,420	1,130	1,220	1,130
4	1,470	1,780	2,770	1,470	1,340	2,570	3,590	1,470	1,910	1,130	1,130	1,130
5	1,470	1,730	2,470	1,470	1,340	2,090	3,480	2,270	1,680	1,130	1,130	2,770
6	1,560	1,600	2,270	1,470	1,300	5,940	4,540	1,960	1,510	1,220	986	5,410
7	2,520	1,560	2,140	1,470	1,340	4,420	5,150	3,480	1,430	1,300	670	3,820
8	3,270	1,510	2,040	1,380	3,590	2,720	3,940	2,820	1,380	1,820	986	2,090
9	2,270	1,560	2,000	1,380	11,900	2,320	3,590	2,000	1,820	2,870	1,050	1,680
10	1,960	1,560	1,960	1,380	5,670	2,270	3,270	1,680	2,370	2,140	1,050	1,560
11	1,820	1,560	2,180	1,380	3,070	2,270	2,970	1,600	1,730	1,560	1,130	1,380
12	1,680	1,780	2,420	1,380	2,470	3,700	2,470	1,470	1,430	1,380	1,220	1,300
13	1,640	1,910	2,140	1,430	2,470	5,280	2,320	1,470	1,340	1,300	1,220	1,470
14	1,640	1,730	2,090	1,380	2,040	3,940	2,370	1,560	1,300	1,260	710	1,300
15	1,600	1,680	1,910	1,380	1,910	3,370	2,720	1,470	1,260	1,220	1,090	1,380
16	1,510	1,680	1,820	1,640	1,820	3,070	2,320	1,510	1,220	1,130	1,170	1,380
17	1,470	2,520	1,820	5,280	1,960	2,470	2,180	1,430	1,170	1,130	1,130	1,260
18	1,510	6,640	1,730	5,020	2,270	2,220	2,000	1,380	1,130	1,090	986	1,220
19	1,510	4,540	1,730	2,620	2,320	2,090	1,960	1,300	1,130	1,130	954	890
20	1,560	2,770	1,730	2,090	4,060	2,000	1,960	1,300	1,130	1,130	954	1,090
21	2,090	2,620	1,780	1,860	9,280	2,090	1,820	1,300	1,130	1,130	650	1,170
22	2,420	2,870	1,730	1,780	5,670	2,140	1,730	1,260	1,090	1,130	906	1,130
23	2,000	2,570	1,680	1,680	4,420	2,220	1,730	1,220	1,130	1,050	1,030	1,220
24	2,090	2,370	1,680	1,640	6,640	2,140	1,680	1,220	1,470	770	986	1,380
25	2,040	2,180	1,640	1,640	8,640	2,220	1,730	1,220	1,380	1,050	970	1,730
26	1,910	2,040	1,640	1,640	5,940	2,040	1,640	1,430	1,130	1,030	1,010	1,470
27	1,820	1,960	1,560	1,680	3,480	1,820	1,640	1,470	1,090	1,130	930	1,340
28	2,000	2,090	1,560	1,600	2,870	1,730	1,780	1,380	1,090	1,220	730	1,260
29	2,320	-----	1,560	1,560	2,520	2,870	1,640	1,220	1,050	1,300	1,300	1,260
30	2,180	-----	1,560	1,470	2,320	2,820	1,730	1,220	1,820	1,050	1,170	1,300
31	1,960	-----	1,560	-----	2,220	-----	1,640	2,270	-----	730	-----	1,380

NOTE.—These discharges were obtained from a rating curve well defined below 8,000 second-feet.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Chattahoochee River near Norcross, Ga.
—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	1,320	1,320	1,400	1,480	2,070	1,360	1,000	1,000	925	455	1,160	1,400
2	1,800	1,360	1,480	1,440	2,120	1,280	1,160	1,480	850	294	1,160	1,320
3	7,370	1,240	1,440	1,400	2,300	1,240	888	1,720	665	595	1,000	1,240
4	9,700	1,240	1,200	1,400	1,980	1,240	962	4,470	700	490	1,000	1,240
5	3,990	1,200	1,240	4,470	1,840	1,160	1,800	3,990	850	850	644	1,320
6	2,520	850	1,240	12,100	1,840	1,160	1,240	1,980	1,400	525	925	1,240
7	2,160	1,360	1,280	5,470	1,800	1,160	1,080	1,480	2,160	560	3,750	1,320
8	1,940	1,280	1,320	8,500	1,720	1,160	1,320	1,400	1,160	525	2,520	1,320
9	1,890	1,520	1,240	8,500	1,680	1,160	1,400	1,160	1,000	420	6,120	1,000
10	1,800	1,640	1,240	5,210	1,680	1,120	1,000	1,000	888	1,640	4,950	1,080
11	1,560	1,640	1,240	3,530	1,600	1,080	1,480	925	630	5,730	2,340	775
12	1,560	1,800	1,160	3,870	1,600	1,040	1,320	925	925	2,070	1,800	1,240
13	1,480	1,760	1,160	5,470	1,520	1,000	1,160	775	925	1,480	1,720	1,160
14	1,400	1,640	1,160	4,710	1,480	962	1,320	850	850	1,160	1,720	1,080
15	1,360	1,600	1,160	4,470	1,480	962	1,800	925	775	962	1,560	1,320
16	1,320	1,560	1,120	3,530	1,480	925	2,160	888	665	665	1,480	1,400
17	1,320	1,440	1,160	3,000	1,440	910	2,700	925	700	2,610	1,400	1,560
18	1,320	1,480	1,120	2,700	1,400	962	2,520	888	525	6,810	1,480	1,560
19	1,400	1,240	1,080	2,520	1,440	1,400	1,400	962	560	3,000	1,560	1,480
20	1,320	1,890	1,640	3,100	1,440	1,760	1,160	925	700	1,720	1,560	1,400
21	1,240	1,980	1,680	2,700	1,640	1,320	1,160	775	700	1,480	1,400	1,720
22	1,240	1,720	1,360	2,380	1,800	1,320	1,160	812	775	1,400	1,320	4,230
23	1,280	1,640	1,240	2,250	2,070	1,120	1,160	738	775	1,400	1,240	12,400
24	1,240	1,440	1,200	2,120	2,250	1,040	1,240	738	700	1,480	1,240	5,470
25	1,280	1,400	1,160	2,020	2,020	1,080	1,480	775	525	1,240	1,400	3,530
26	1,240	1,200	1,400	1,940	1,640	1,000	1,400	700	665	1,080	1,240	2,900
27	1,240	1,240	3,100	1,940	1,480	962	1,000	665	738	1,080	1,160	3,750
28	1,120	1,400	3,000	1,980	1,400	910	925	616	812	1,160	1,320	4,470
29	1,080	---	1,980	2,160	1,480	1,080	888	775	665	1,000	1,560	2,700
30	1,160	---	1,800	2,300	1,480	985	790	812	434	630	1,640	2,340
31	1,320	---	1,640	---	1,400	---	850	850	---	925	---	2,700
1912												
1	7,090	3,750	3,530	5,210	4,590	2,610	2,520	2,070	1,320	1,640	1,480	1,320
2	3,750	2,900	3,100	4,710	3,750	2,430	2,340	1,800	1,320	1,480	1,640	1,240
3	3,000	2,520	2,900	4,470	3,420	2,430	2,800	1,720	1,320	1,480	1,640	1,480
4	2,900	2,340	3,530	3,990	3,420	3,420	2,700	2,250	1,320	3,530	1,480	1,560
5	2,430	2,250	3,420	3,640	3,530	2,610	3,310	2,160	1,320	4,230	1,480	1,560
6	2,160	2,160	6,250	3,530	3,100	2,800	4,710	1,800	1,320	2,070	1,480	1,800
7	2,070	2,070	4,950	3,420	3,750	3,420	3,750	1,720	1,320	1,720	1,640	2,160
8	2,160	1,980	3,750	3,420	3,530	2,900	2,800	1,800	1,240	1,640	1,980	1,720
9	2,430	1,980	3,310	3,310	3,000	2,520	2,900	4,950	1,400	1,480	1,800	1,560
10	2,700	1,980	3,000	3,000	2,900	2,250	5,210	4,240	1,320	1,480	1,560	1,560
11	2,340	1,890	2,900	3,100	2,900	2,160	7,650	2,610	1,400	1,400	1,480	1,480
12	2,250	1,890	2,900	3,100	2,900	2,070	4,350	2,160	1,320	1,400	1,560	1,480
13	2,160	1,890	3,000	3,000	2,610	1,890	3,310	1,890	1,400	1,400	1,480	1,480
14	1,980	1,980	2,800	3,000	2,610	14,500	2,900	1,800	1,400	1,400	1,890	1,400
15	1,890	4,590	17,800	3,000	2,520	9,400	3,100	1,720	1,890	1,400	1,480	1,400
16	1,890	9,400	25,100	7,930	2,520	7,090	2,610	1,800	2,520	1,480	1,480	1,240
17	1,800	4,470	10,900	6,120	2,700	3,750	2,900	1,980	1,720	1,400	1,400	1,400
18	1,800	3,310	5,600	4,330	2,520	2,900	4,230	1,720	1,320	1,320	1,400	1,400
19	1,980	3,200	4,710	3,750	2,250	2,610	3,200	1,800	1,400	2,520	1,480	1,400
20	2,160	2,800	4,110	3,420	2,340	2,340	3,990	1,720	1,320	7,090	1,320	1,400
21	1,890	5,470	3,990	3,750	2,340	2,160	3,100	1,640	1,240	2,900	1,320	1,400
22	1,800	8,210	3,750	8,210	2,340	2,160	2,900	1,560	1,240	2,160	1,320	1,320
23	1,800	4,230	3,530	12,100	2,160	1,980	2,520	1,640	3,310	1,890	1,320	1,320
24	1,720	3,990	6,120	5,210	2,160	2,340	2,340	1,720	5,080	1,720	1,320	1,980
25	1,640	5,470	7,510	3,870	2,160	7,650	2,520	1,560	2,250	1,560	1,320	2,070
26	1,640	10,600	4,710	3,640	2,070	7,090	2,160	2,340	1,800	1,560	1,320	1,720
27	1,640	9,700	3,990	3,640	2,070	4,470	1,980	1,800	1,980	1,480	1,320	1,560
28	1,560	5,990	3,990	4,950	3,750	2,900	1,980	1,480	2,070	1,480	1,320	1,560
29	5,210	4,230	12,700	3,990	4,470	2,700	1,800	1,480	2,160	1,480	1,320	1,480
30	13,200	---	15,100	5,210	6,120	2,520	1,800	1,400	1,720	1,480	1,320	1,480
31	6,810	---	6,390	---	3,200	---	1,800	1,400	---	1,480	---	1,720

NOTE.—Daily discharge computed from a rating curve well defined below 8,000 second-feet and fairly well defined below 15,000 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Chattahoochee River near Norcross, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913												
1				1,800	2,610	5,340	3,640	1,980	1,720	1,560	1,430	1,000
2				1,640	2,340	3,420	3,310	1,980	1,800	1,400	2,250	850
3				1,640	2,800	2,900	3,100	1,890	1,890	925	1,640	925
4				1,560	4,710	2,610	3,100	1,890	1,800	1,160	1,240	775
5				1,400	3,310	2,520	2,800	1,720	1,720	1,320	1,320	925
6				1,480	2,520	2,250	2,800	1,800	1,720	1,480	2,160	1,080
7				1,480	2,340	2,340	2,700	1,800	1,800	1,160	1,640	1,400
8				1,480	2,160	2,070	2,700	1,890	2,610	1,320	1,240	925
9				1,640	1,980	2,160	2,520	1,800	3,310	925	1,560	1,000
10				1,480	1,980	4,950	2,520	1,800	2,070	962	1,800	850
11				1,560	2,900	5,860	2,900	1,890	1,980	1,160	1,560	850
12				1,800	6,810	4,230	3,200	1,720	1,800	1,320	1,720	812
13				2,070	3,640	6,390	3,200	1,800	1,640	1,720	1,560	775
14				1,890	2,700	12,400	2,700	1,800	1,640	1,240	1,560	738
15				1,640	2,430	15,100	2,800	1,640	1,480	1,240	1,640	665
16				1,640	2,160	14,200	2,700	1,800	1,240	1,080	1,560	925
17				1,560	2,160	6,810	2,520	1,890	1,320	1,160	1,320	1,160
18				1,560	1,980	4,950	2,430	1,890	1,480	1,080	1,000	1,000
19				1,720	1,890	4,230	2,340	1,800	1,720	925	1,080	1,160
20				1,560	2,160	3,870	2,340	1,720	1,240	925	925	925
21				1,640	3,530	4,470	2,340	1,800	1,400	1,160	962	1,160
22				1,640	2,900	5,340	2,250	1,720	1,560	1,480	925	925
23				1,640	2,430	3,750	2,160	2,430	1,320	1,240	1,160	1,000
24				2,340	2,340	3,420	2,160	4,710	1,480	1,000	1,720	925
25				4,590	2,160	3,310	2,070	2,700	1,400	1,320	1,080	888
26				3,200	1,980	3,310	2,160	2,070	1,320	3,000	925	775
27				11,600	2,610	9,850	2,160	1,890	1,320	2,160	888	850
28				10,300	10,300	10,300	2,160	1,800	1,480	2,070	850	700
29				4,230		5,210	2,160	1,800	1,320	1,800	850	630
30				2,800		4,230	2,070	1,640	1,400	1,640	1,560	4,350
31				2,610		4,230		1,640		1,980	1,720	
1913-1914												
1	2,190	995	930	1,780	1,260	1,400	1,620	1,190	832	510	565	592
2	1,260	832	1,470	1,540	1,260	1,400	1,540	1,260	800	592	538	898
3	995	800	1,470	1,620	1,120	1,260	1,400	1,260	770	740	538	832
4	1,060	930	1,260	1,540	1,060	1,260	1,330	1,260	740	710	1,260	680
5	930	865	995	1,400	995	1,260	1,260	1,260	770	1,540	592	620
6	800	865	995	1,330	1,260	1,260	1,190	1,190	962	1,060	592	485
7	1,060	898	1,260	1,260	2,730	1,260	1,190	1,330	995	865	538	538
8	800	800	1,470	1,260	2,370	1,260	2,370	1,260	995	770	538	435
9	865	995	1,470	1,260	1,700	1,190	2,370	1,120	930	680	710	538
10	898	1,060	930	1,260	1,400	1,120	1,860	1,120	898	832	3,030	460
11	930	1,120	1,120	1,120	1,400	1,120	1,470	1,060	770	800	3,790	510
12	740	800	995	1,060	1,400	1,400	1,400	1,060	740	710	1,700	485
13	620	930	930	1,060	1,330	1,540	1,400	1,060	740	650	1,060	538
14	800	865	995	1,060	1,470	1,400	2,550	995	740	592	1,470	510
15	740	930	930	1,060	1,700	1,260	10,800	995	710	592	1,470	435
16	995	800	930	1,060	1,700	1,260	5,670	962	650	1,400	1,060	485
17	832	930	995	995	1,540	1,190	3,130	962	710	1,260	770	435
18	832	865	930	962	1,400	1,120	2,280	995	710	1,400	770	832
19	930	995	898	930	1,330	1,120	2,020	962	1,260	865	770	770
20	1,260	800	865	995	1,700	1,260	2,730	930	1,060	800	740	1,060
21	1,540	865	930	962	3,460	1,330	2,460	898	832	680	592	770
22	995	770	865	962	2,190	1,330	2,020	898	740	650	620	650
23	832	800	898	930	1,860	1,260	1,780	930	680	565	770	565
24	1,120	800	1,060	995	1,700	1,260	1,620	930	650	538	680	565
25	1,190	832	1,190	995	1,540	1,190	1,540	898	620	538	650	538
26	1,190	865	1,330	1,060	1,470	1,120	1,470	898	592	510	592	592
27	1,060	865	1,860	995	1,400	1,190	1,400	832	592	460	592	592
28	995	680	1,330	962	1,400	1,330	1,400	832	592	650	592	538
29	995	770	1,620	930		1,260	1,330	800	620	930	565	485
30	995	930	2,460	930		1,260	1,330	800	538	1,120	995	538
31	1,060		2,190	995		1,700		832		740	620	

NOTE.—Daily discharge determined from a well-defined rating curve.

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Chattahoochee River near Norcross, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-1915												
1	538	800	10,000	2,830	3,790	3,130	2,020	1,540	3,130	3,790	898	995
2	485	770	3,680	2,460	9,550	2,930	2,020	1,540	3,460	2,020	832	865
3	1,540	770	2,460	2,280	6,080	2,730	2,020	1,400	2,370	1,780	1,190	832
4	3,680	770	11,500	2,100	4,140	2,550	2,020	1,540	1,780	1,330	1,190	800
5	1,470	740	17,500	2,020	4,020	4,260	1,940	1,400	1,700	2,190	1,120	1,190
6	1,060	740	10,200	2,370	4,500	5,280	1,780	1,330	1,780	2,100	1,120	1,330
7	865	770	4,140	7,900	3,790	3,790	1,860	3,350	1,700	1,860	1,060	1,260
8	800	650	3,030	5,020	3,240	3,350	1,860	8,650	1,780	1,940	930	995
9	710	1,620	2,460	3,130	2,930	2,930	1,860	3,860	1,860	1,700	832	930
10	710	1,120	2,190	2,550	2,730	2,640	1,860	2,370	1,540	1,540	865	770
11	832	930	1,940	2,370	2,550	2,640	1,780	2,100	1,400	1,400	995	865
12	680	865	1,780	3,350	2,550	2,550	1,860	3,350	1,330	1,120	1,060	770
13	680	832	1,940	4,500	2,460	2,370	1,860	9,250	1,400	1,400	995	1,060
14	800	832	2,100	2,930	2,550	2,370	1,860	4,500	1,330	1,190	1,330	1,620
15	4,260	2,280	2,020	2,550	3,030	2,370	1,780	2,730	1,400	1,260	2,020	1,620
16	11,100	5,280	1,780	2,460	4,890	2,370	1,700	2,100	1,260	1,620	1,190	1,120
17	5,940	2,460	1,700	3,460	3,460	2,460	1,700	2,020	1,400	1,400	1,120	898
18	1,940	1,620	1,620	7,340	2,930	2,280	1,700	1,860	1,330	1,190	1,190	898
19	1,470	1,260	1,540	9,250	2,730	2,190	1,470	1,620	1,400	1,060	1,700	898
20	1,190	1,120	1,620	5,800	2,550	2,190	1,700	1,700	1,260	1,260	1,400	832
21	1,120	1,060	1,780	3,790	2,550	2,370	1,620	1,700	1,260	1,190	1,400	1,260
22	995	995	2,020	3,130	2,370	2,280	1,700	1,620	1,120	1,060	1,330	1,400
23	995	995	1,940	2,930	2,370	2,190	1,700	1,620	1,120	1,120	1,260	1,060
24	995	995	1,860	5,280	8,350	2,550	1,470	1,700	1,060	1,120	930	898
25	930	930	4,140	8,950	10,500	2,370	1,540	1,620	1,120	1,120	930	832
26	800	832	14,800	6,360	4,760	2,100	1,540	1,620	1,060	832	865	800
27	898	898	9,550	4,260	3,790	2,190	1,620	1,620	1,120	962	898	740
28	832	930	3,790	3,570	3,240	2,020	1,860	1,540	1,190	995	962	770
29	800	1,330	-----	3,130	-----	2,190	1,780	1,470	1,540	865	930	770
30	770	8,350	-----	2,830	-----	1,940	1,620	1,540	2,020	930	898	930
31	832	-----	-----	2,730	-----	1,700	-----	1,780	-----	865	1,120	-----
1915-1916												
1	2,640	1,260	1,330	4,520	3,280	2,880	1,720	1,390	1,530	1,280	2,560	1,530
2	3,680	1,400	1,260	3,780	9,100	3,040	1,720	1,420	1,390	1,560	2,880	1,530
3	1,700	1,330	1,330	3,390	9,850	3,210	1,720	1,390	1,360	1,560	3,580	1,460
4	1,540	1,330	1,330	3,040	4,760	2,800	1,840	1,390	1,560	1,360	3,880	1,530
5	6,780	1,260	1,330	2,800	3,580	2,480	1,760	1,390	1,280	1,110	2,800	1,530
6	6,360	1,260	1,120	2,720	3,120	2,320	1,680	1,360	1,500	1,320	3,780	1,460
7	2,640	1,260	1,260	2,720	2,880	2,800	1,760	1,320	1,920	1,680	5,250	1,530
8	2,100	1,190	1,260	2,640	2,640	3,040	1,960	1,180	2,080	5,740	3,980	1,420
9	1,700	1,260	1,190	2,480	2,560	2,560	2,040	1,280	1,560	17,100	3,040	1,500
10	1,400	1,260	1,260	2,400	2,640	2,320	1,840	1,250	1,320	27,900	2,800	1,560
11	1,260	1,190	1,330	2,400	2,480	2,200	1,800	1,250	1,320	23,900	2,560	1,530
12	1,400	1,190	1,700	2,480	2,320	2,120	1,720	1,180	1,760	16,200	2,400	1,460
13	1,260	1,260	1,620	4,280	2,320	2,080	1,680	1,220	1,840	7,750	2,320	1,390
14	1,780	1,470	1,470	4,080	2,400	2,000	1,680	1,180	2,040	6,900	2,480	1,600
15	6,080	1,540	1,400	2,960	2,220	2,000	1,600	1,180	1,960	6,340	2,240	2,040
16	3,130	1,620	1,400	2,640	2,160	1,960	1,600	1,180	2,160	5,000	2,120	1,560
17	1,860	1,540	1,620	2,640	2,120	1,880	1,800	1,460	2,160	9,100	2,040	1,460
18	1,540	1,400	14,900	2,480	2,080	1,880	1,880	1,180	1,720	8,350	2,720	1,390
19	4,260	2,100	25,000	2,320	2,040	1,880	1,680	1,250	1,530	11,100	2,240	1,390
20	10,200	2,640	7,320	2,240	1,960	1,840	1,600	1,180	1,460	11,900	2,200	1,390
21	4,500	1,860	3,580	2,200	1,960	1,840	1,680	1,140	1,460	6,480	1,960	1,390
22	4,380	1,700	2,960	2,320	1,920	1,840	1,640	1,220	1,360	7,600	1,800	1,390
23	2,930	1,470	2,560	2,480	1,920	1,960	1,560	2,880	1,320	7,600	1,760	1,320
24	2,020	1,400	2,480	2,400	2,200	1,800	1,460	8,290	1,320	4,760	1,760	1,250
25	1,780	1,470	2,320	2,240	2,320	1,600	1,530	4,070	1,460	4,520	1,680	1,220
26	1,620	1,400	2,320	2,200	2,080	1,760	1,530	2,480	1,320	4,300	1,760	1,180
27	1,540	1,330	2,320	2,240	1,960	2,200	1,460	2,040	1,500	4,410	1,600	1,180
28	1,540	1,540	2,160	2,240	1,920	2,160	1,460	1,800	1,390	3,480	1,600	1,180
29	1,540	1,400	19,300	2,200	2,480	1,920	1,460	1,800	1,280	2,800	1,720	1,390
30	1,470	1,400	35,100	2,160	-----	1,840	1,420	1,840	1,220	2,960	1,640	1,530
31	1,400	-----	12,100	2,120	-----	1,800	-----	1,640	-----	2,720	1,600	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Chattahoochee River near Norcross, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-1917												
1	1,250	1,680	1,840	2,000	5,510	3,580	4,090	2,640	2,280	1,560	1,470	3,240
2	1,250	1,390	1,460	2,000	7,040	3,480	4,090	2,460	2,940	1,390	1,390	4,550
3	1,180	1,320	1,530	1,840	3,120	6,340	3,870	2,460	2,460	1,390	1,560	3,540
4	1,180	1,320	1,460	2,000	2,640	12,400	3,760	2,550	2,280	1,390	1,740	2,460
5	1,250	1,390	1,390	2,080	2,400	16,000	10,900	3,340	2,100	1,230	1,650	2,100
6	1,250	1,110	2,160	2,160	2,480	8,350	11,100	2,640	1,920	1,390	1,740	1,740
7	1,180	1,110	1,680	2,240	2,160	4,760	5,750	2,550	1,920	1,470	2,010	1,560
8	1,110	1,250	1,530	2,000	2,080	4,190	5,150	2,460	1,920	1,560	4,550	1,740
9	1,250	1,180	3,300	1,920	2,080	3,880	5,030	2,460	2,550	1,390	5,510	1,650
10	1,250	1,180	2,720	1,760	2,000	3,390	4,310	2,370	3,140	1,310	2,740	1,560
11	1,250	1,180	2,000	1,760	2,000	3,040	3,760	2,280	2,840	1,230	2,100	1,560
12	1,180	1,250	1,840	1,680	1,840	3,120	3,760	2,280	2,190	1,230	1,740	1,310
13	1,180	1,250	1,760	1,680	1,840	3,040	3,760	2,280	2,100	1,740	1,740	1,150
14	1,180	1,460	1,680	2,320	1,840	2,960	4,200	2,190	1,830	1,150	1,560	1,150
15	1,180	1,250	1,390	3,390	2,080	2,880	3,440	2,190	2,010	1,230	1,740	1,230
16	1,040	1,250	1,320	6,900	2,320	2,720	3,340	2,100	1,920	1,080	2,280	1,230
17	1,180	1,180	1,250	5,250	2,080	2,800	3,240	2,100	1,740	1,390	2,190	1,080
18	1,110	1,180	1,680	3,300	2,160	3,680	3,140	2,100	1,740	1,740	1,740	1,080
19	2,480	1,180	1,600	2,880	5,000	3,040	3,040	2,190	1,740	3,870	1,560	1,080
20	2,800	1,110	1,680	2,560	16,200	2,800	3,040	1,920	2,740	3,340	1,470	1,080
21	1,600	1,180	1,760	2,320	11,400	3,680	2,940	1,920	2,190	2,840	1,560	1,080
22	1,390	1,110	1,680	2,960	4,520	6,200	2,940	1,920	1,920	3,650	1,560	1,150
23	1,250	1,250	1,840	2,880	3,390	7,460	2,940	2,370	1,830	3,040	1,470	1,230
24	1,250	1,600	1,760	2,960	12,800	12,100	2,840	2,280	1,650	2,190	1,390	1,080
25	1,320	1,680	1,680	2,640	12,800	21,500	2,740	2,010	1,650	1,920	1,310	1,230
26	1,250	1,390	1,680	2,400	4,300	10,300	2,840	2,280	1,560	2,550	1,310	1,080
27	1,250	1,250	1,600	2,160	3,390	11,400	2,840	2,460	1,560	1,920	1,010	1,080
28	1,250	1,250	2,240	2,080	3,040	11,100	2,640	2,840	1,830	1,650	1,230	6,250
29	1,250	1,600	4,190	2,160	-----	6,120	2,640	2,280	1,740	1,560	1,040	4,200
30	1,390	1,840	2,880	2,240	-----	5,030	2,640	2,100	1,740	1,390	1,080	2,280
31	1,760	-----	2,240	2,240	-----	4,550	-----	1,920	-----	1,390	1,390	-----
1917-1918												
1	1,920	1,560	1,230	1,150	4,670	1,830	1,390	2,460	1,080	1,740	1,740	800
2	1,650	1,390	1,230	1,080	3,440	1,740	1,390	2,370	1,080	1,310	3,870	730
3	1,560	1,310	1,150	1,230	3,240	1,740	1,390	2,010	1,010	1,080	4,310	730
4	1,290	1,310	1,230	1,150	2,940	1,740	1,470	1,830	1,080	940	2,100	2,840
5	1,310	1,230	1,390	1,150	2,550	1,740	1,470	1,740	1,150	870	1,650	2,100
6	1,310	1,310	1,310	1,230	2,280	1,740	1,390	1,560	1,310	870	1,150	1,650
7	1,310	1,230	1,230	1,470	2,190	1,740	1,560	1,470	1,920	870	1,230	1,390
8	1,150	1,230	1,230	1,560	2,100	1,560	4,090	1,560	1,740	765	1,080	1,150
9	1,310	1,230	1,230	1,470	2,100	1,650	5,030	1,920	1,310	870	870	1,230
10	1,310	1,230	1,230	1,310	1,920	1,740	2,740	1,650	1,150	800	905	1,080
11	1,310	1,230	1,230	2,460	1,920	1,650	2,100	1,390	1,150	765	1,920	905
12	1,310	1,230	1,830	9,060	1,830	1,560	2,010	1,470	1,150	730	1,010	870
13	1,230	1,310	2,010	5,150	1,830	1,560	1,830	1,470	1,150	730	975	870
14	1,230	1,310	1,830	2,460	1,740	1,560	1,740	1,830	1,310	730	975	800
15	1,080	1,390	1,920	5,270	2,100	1,390	1,470	1,560	1,080	670	975	765
16	1,150	1,310	2,010	4,790	2,640	1,390	1,650	1,390	1,010	930	800	730
17	1,150	1,230	1,650	2,640	3,650	1,560	1,830	1,310	940	730	800	670
18	1,150	1,310	1,740	2,190	3,440	1,560	1,830	1,310	1,010	800	800	765
19	1,390	1,150	1,560	1,920	2,640	1,390	1,830	1,310	1,310	1,230	765	800
20	1,920	1,230	1,560	1,830	2,840	1,470	1,830	1,470	1,230	2,190	765	1,310
21	1,830	1,230	1,310	1,740	2,940	1,740	1,740	1,390	1,390	1,740	730	1,390
22	1,560	1,230	1,230	2,280	2,640	1,740	1,740	1,560	1,390	1,150	730	1,230
23	1,470	1,230	1,310	2,100	2,370	1,560	1,650	1,390	1,390	1,390	730	1,080
24	1,390	1,230	1,230	2,100	2,190	1,650	1,650	1,470	1,150	1,310	730	1,010
25	1,230	1,150	1,310	2,010	2,100	1,560	1,470	1,470	1,080	1,390	730	905
26	1,230	1,080	1,390	2,280	2,010	1,560	1,830	1,230	1,920	2,370	905	800
27	1,230	1,010	1,230	2,100	1,920	1,470	2,370	1,310	1,470	2,460	870	800
28	1,230	1,230	1,310	3,440	1,920	1,390	1,920	1,310	1,150	1,830	975	835
29	1,390	1,230	1,310	10,000	-----	1,390	2,010	1,230	1,080	1,560	940	800
30	1,740	1,230	1,230	8,020	-----	1,390	2,100	1,150	1,740	1,560	800	800
31	1,470	-----	1,150	7,760	-----	1,470	-----	1,080	-----	2,100	800	-----

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Chattahoochee River near Norcross, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1	800	8,930	2,640	3,040	2,940	3,540	2,840	2,280	1,920	1,740	2,010	1,650
2	730	3,870	2,100	4,310	2,640	3,240	2,640	2,550	1,740	1,560	2,640	1,390
3	870	3,040	2,100	7,760	2,640	3,240	2,740	2,280	1,740	1,560	1,650	1,230
4	800	2,460	1,920	6,500	2,840	2,940	2,640	2,010	1,740	1,560	1,830	1,080
5	640	2,280	1,830	4,310	3,240	3,440	2,840	2,010	1,740	1,560	1,560	1,080
6	670	2,100	1,650	3,440	2,640	7,500	2,640	2,190	1,740	1,830	1,470	1,040
7	640	1,920	1,650	3,240	2,640	5,510	2,640	2,280	1,650	1,920	1,470	1,080
8	670	1,740	1,560	2,940	2,460	4,090	2,460	7,250	1,650	1,920	1,390	1,010
9	670	1,740	1,560	3,040	2,550	12,800	2,550	5,510	1,560	2,640	1,310	1,010
10	640	1,740	1,560	2,840	2,550	13,400	2,460	3,440	1,560	2,640	1,390	1,010
11	670	1,650	1,560	2,640	2,460	5,630	2,940	2,940	1,920	2,010	1,230	1,010
12	670	1,560	1,470	2,460	2,280	4,430	3,980	2,640	1,650	1,740	1,470	1,230
13	670	1,560	1,650	2,460	2,640	4,090	3,040	2,640	1,650	1,650	1,310	1,080
14	800	1,390	1,560	2,370	4,310	3,650	2,640	2,840	1,560	2,100	1,310	975
15	730	1,560	3,340	2,460	4,670	3,650	2,640	2,550	1,470	2,280	1,310	870
16	670	1,390	3,650	2,280	3,240	3,440	3,440	2,280	2,100	2,460	1,230	905
17	730	1,740	9,580	2,460	2,940	3,870	5,390	2,280	3,040	1,650	1,230	940
18	670	2,840	4,090	4,310	2,640	4,200	3,440	2,190	2,010	1,650	1,080	870
19	730	2,370	2,940	3,980	2,640	3,760	3,040	2,100	2,100	3,980	1,230	835
20	800	1,830	2,460	3,040	2,460	3,440	2,840	2,100	1,830	7,000	1,080	870
21	1,040	1,740	3,540	2,840	2,940	3,240	2,640	2,460	1,560	3,870	1,080	940
22	1,010	1,560	14,500	2,460	6,250	3,040	2,460	2,100	1,470	2,640	1,470	1,740
23	1,040	1,650	33,400	3,870	12,900	3,040	2,550	2,100	1,470	2,280	1,470	1,150
24	1,230	1,560	16,600	8,540	6,000	2,940	2,370	2,010	2,190	2,010	1,740	1,010
25	3,240	1,650	11,400	4,790	5,270	2,940	2,460	1,920	3,760	2,010	1,920	940
26	5,030	1,560	6,000	9,060	5,510	2,740	2,280	1,920	4,090	2,370	1,470	870
27	4,310	1,560	4,670	8,540	4,310	3,040	2,280	2,010	4,550	2,100	1,310	870
28	2,740	4,550	3,870	4,550	3,650	4,430	2,190	1,920	3,240	1,830	1,010	835
29	4,430	8,800	3,650	3,760	-----	3,440	2,280	1,920	2,280	1,650	1,010	835
30	14,900	3,650	3,240	3,240	-----	3,040	2,280	2,100	1,920	1,560	2,550	800
31	25,500	-----	3,040	3,040	-----	2,840	-----	1,920	-----	1,560	2,550	-----

Daily gage height, in feet, of Chattahoochee River near Norcross, Ga.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-1920												
1	1.65	2.1	2.9	2.8	4.0	3.4	7.6	4.6	3.6	3.0	2.7	3.4
2	1.6	2.8	2.7	2.8	3.8	3.3	11.5	4.6	3.6	3.0	2.6	3.2
3	1.8	2.6	2.4	2.7	5.2	3.2	14.0	6.2	3.6	3.1	2.8	3.1
4	3.6	2.4	2.3	2.6	7.2	3.3	9.1	5.1	3.8	3.0	2.7	3.2
5	3.0	2.1	2.4	2.6	6.4	4.4	10.6	4.6	6.0	2.9	2.6	3.3
6	2.0	2.1	2.3	2.6	5.0	5.0	7.8	4.9	4.6	2.9	2.7	3.3
7	2.0	2.0	3.0	2.7	4.4	3.9	6.4	4.8	3.8	3.2	2.6	3.2
8	1.85	2.0	6.6	3.4	4.2	3.6	5.8	4.6	3.6	3.7	2.6	3.6
9	2.2	1.8	13.6	3.6	4.0	3.5	7.0	4.4	3.5	3.0	4.4	6.2
10	2.2	1.9	26.3	4.2	3.8	3.4	7.6	4.3	3.4	3.6	5.3	6.6
11	2.0	2.1	20.8	3.8	3.8	3.4	6.2	4.2	3.4	4.4	5.4	4.2
12	1.9	3.0	7.3	3.4	3.7	4.4	5.7	4.1	3.3	5.1	7.6	3.4
13	1.9	4.8	5.4	3.2	4.1	9.2	7.0	9.6	3.2	3.4	8.1	3.2
14	2.2	3.8	5.0	3.0	3.9	6.2	5.4	7.2	3.2	3.2	9.5	3.1
15	2.2	3.0	4.8	2.8	3.6	4.8	5.1	4.8	3.1	2.9	10.4	3.2
16	2.0	2.7	4.2	3.0	3.5	4.2	5.0	4.4	3.0	4.3	9.4	3.0
17	2.9	2.6	3.8	3.4	3.4	6.5	5.1	4.2	3.1	3.6	7.4	2.8
18	2.6	2.4	3.8	3.4	3.4	6.6	4.9	4.3	3.0	4.6	6.4	3.0
19	2.3	2.1	3.7	3.2	3.4	6.8	4.7	4.8	3.2	4.6	6.0	2.8
20	2.1	2.2	3.8	3.1	3.4	9.2	4.7	4.6	6.4	5.5	7.2	2.8
21	1.8	2.2	3.6	3.0	3.2	5.8	12.2	4.4	5.6	4.6	5.8	2.7
22	2.0	2.1	3.4	3.0	4.6	4.8	10.6	4.3	4.2	4.6	5.2	2.6
23	3.8	2.1	3.2	3.0	6.8	4.4	6.4	4.2	3.4	4.1	4.6	2.7
24	6.1	2.1	3.2	5.2	4.6	4.2	5.4	4.0	5.6	3.4	4.0	2.7
25	3.4	2.1	3.1	9.6	4.1	4.1	5.0	4.0	4.0	3.2	3.8	2.9
26	2.8	2.2	3.0	10.4	3.7	6.0	4.8	4.4	3.4	2.9	3.6	2.8
27	2.4	2.4	3.0	12.4	3.6	6.2	7.7	4.2	3.2	3.0	4.4	2.6
28	2.2	2.4	3.0	7.2	3.5	6.3	6.2	4.4	3.0	2.8	4.4	2.6
29	2.2	2.1	2.9	5.4	3.4	12.0	5.2	4.0	3.0	2.8	3.8	2.6
30	2.1	3.1	2.9	4.7	-----	10.4	4.8	3.8	3.2	2.7	3.8	2.9
31	2.1	-----	2.8	4.3	-----	6.0	-----	3.7	-----	2.8	4.4	-----

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Chattahoochee River near Norcross, Ga.

[Drainage area, 1,170 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	11,000	2,100	2,930	2.50	2.88	A.
February	6,300	1,990	2,880	2.46	2.56	A.
March	9,780	1,880	2,930	2.50	2.88	A.
April	7,000	1,880	2,460	2.10	2.34	A.
May	3,140	1,660	2,160	1.85	2.13	A.
June	4,500	1,360	1,850	1.58	1.76	A.
July	3,140	990	1,510	1.29	1.49	A.
August	1,990	830	1,220	1.04	1.20	A.
September	5,600	750	1,410	1.21	1.35	A.
October	1,560	766	974	.832	.96	A.
November	10,800	870	2,290	1.96	2.19	A.
December	16,500	1,360	3,230	2.76	3.18	A.
The year	16,500	750	2,150	1.84	24.92	
1908						
January	10,400	1,980	3,250	2.78	3.20	A.
February	14,600	2,240	4,800	4.10	4.42	A.
March	16,100	2,180	3,800	3.25	3.75	A.
April	18,900	2,290	4,430	3.79	4.23	A.
May	6,700	2,180	3,000	2.56	2.95	A.
June	3,080	1,440	1,970	1.68	1.87	B.
July	3,800	1,120	1,740	1.49	1.72	B.
August	4,130	1,030	1,800	1.54	1.78	B.
September	5,040	850	1,240	1.06	1.18	B.
October	3,440	765	1,360	1.16	1.34	B.
November	2,460	985	1,280	1.09	1.22	B.
December	14,600	1,210	2,840	2.43	2.80	A.
The year	18,900	765	2,630	2.24	30.40	
1909						
January	9,440	1,640	2,770	2.37	2.73	A.
February	12,300	1,640	4,300	3.68	3.83	A.
March	19,000	2,620	5,560	4.75	5.48	A.
April	3,940	2,470	2,930	2.50	2.79	A.
May	16,100	2,320	4,560	3.90	4.50	A.
June	11,600	2,520	3,810	3.26	3.64	A.
July	6,080	1,820	2,630	2.25	2.59	A.
August	6,790	1,260	2,110	1.80	2.08	A.
September	7,690	1,220	1,890	1.62	1.81	A.
October	5,940	1,220	1,680	1.44	1.66	A.
November	1,640	1,130	1,270	1.09	1.22	A.
December	5,940	1,130	2,050	1.75	2.02	A.
The year	19,000	1,130	2,960	2.53	34.35	

WATER POWERS OF GEORGIA

Monthly discharge of Chattahoochee River near Norcross, Ga.—Continued.
[Drainage area, 1,170 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1910						
January	3,270	1,470	1,870	1.60	1.84	A.
February	6,640	1,510	2,220	1.90	1.98	A.
March	5,150	1,560	2,120	1.81	2.09	A.
April	5,280	1,380	1,820	1.56	1.74	A.
May	11,900	1,300	3,520	3.01	3.47	A.
June	5,940	1,730	2,710	2.32	2.59	A.
July	5,150	1,640	2,540	2.17	2.50	A.
August	3,480	1,220	1,610	1.38	1.59	A.
September	6,220	1,090	1,630	1.39	1.55	A.
October	2,870	730	1,270	1.09	1.26	A.
November	1,300	670	1,020	.872	.97	A.
December	5,410	890	1,590	1.36	1.57	A.
The year	11,900	670	1,990	1.70	23.15	
1911						
January	9,700	1,080	2,000	1.71	1.97	A.
February	1,980	850	1,470	1.26	1.31	A.
March	3,100	1,080	1,440	1.23	1.42	A.
April	12,100	1,400	3,620	3.09	3.45	A.
May	2,300	1,400	1,700	1.45	1.67	A.
June	1,760	910	1,130	.966	1.08	A.
July	2,700	790	1,320	1.13	1.30	A.
August	4,470	616	1,190	1.02	1.18	A.
September	2,160	434	821	.702	.78	A.
October	6,810	294	1,470	1.26	1.45	A.
November	6,120	644	1,780	1.52	1.70	A.
December	12,400	775	2,310	1.97	2.27	A.
The year	12,400	294	1,690	1.44	19.58	
1912						
January	13,200	1,560	2,900	-----	-----	A.
February	10,600	1,890	4,040	-----	-----	A.
March	25,100	2,800	6,110	-----	-----	B.
April	12,100	3,000	4,480	-----	-----	A.
May	6,120	2,070	3,020	-----	-----	A.
June	14,500	1,890	3,740	-----	-----	A.
July	7,650	1,800	3,100	-----	-----	A.
August	4,950	1,400	1,990	-----	-----	A.
September	5,080	1,240	1,720	-----	-----	A.
October	7,090	1,320	1,960	-----	-----	A.
November	1,980	1,320	1,480	-----	-----	A.
December	2,160	1,240	1,540	-----	-----	A.
The year	25,100	1,240	3,000	-----	-----	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Chattahoochee River near Norcross, Ga.—Continued.

[Drainage area, 1,170 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy
	Maximum.	Minimum.	Mean.	Per square mile.		
1913						
January	11,600	1,400	2,550	2.18	2.51	B.
February	10,300	1,890	2,990	2.56	2.67	B.
March	15,100	2,070	5,360	4.58	5.28	B.
April	3,640	2,070	2,600	2.22	2.48	B.
May	4,710	1,640	1,960	1.68	1.94	B.
June	3,310	1,240	1,670	1.43	1.60	B.
July	3,000	925	1,380	1.18	1.36	B.
August	2,610	850	1,400	1.20	1.38	B.
September	4,350	630	1,030	.880	.98	B.
1913-1914						
October	2,190	620	1,020	0.872	1.01	B.
November	1,120	680	875	.748	.83	B.
December	2,460	865	1,210	1.03	1.19	B.
January	1,780	930	1,140	.974	1.12	B.
February	3,460	995	1,610	1.38	1.44	B.
March	1,700	1,120	1,280	1.09	1.26	B.
April	10,800	1,190	2,200	1.88	2.10	B.
May	1,330	800	1,030	.880	1.01	B.
June	1,260	538	775	.662	.74	B.
July	1,540	460	798	.682	.79	B.
August	3,790	538	960	.821	.95	B.
September	1,060	435	599	.512	.57	C.
The year	10,800	435	1,120	.957	13.01	
1914-1915						
October	11,100	485	1,640	1.40	1.61	B.
November	8,350	740	1,450	1.24	1.38	B.
December	17,500	1,540	4,500	3.85	4.44	B.
January	9,250	2,020	3,990	3.41	3.93	B.
February	10,500	2,370	4,010	3.43	3.57	A.
March	5,280	1,700	2,620	2.24	2.58	A.
April	2,020	1,470	1,770	1.51	1.68	B.
May	9,250	1,330	2,450	2.09	2.41	B.
June	3,460	1,060	1,570	1.34	1.50	B.
July	3,790	832	1,430	1.22	1.41	B.
August	2,020	832	1,110	.949	1.09	B.
September	1,620	740	1,000	.855	.95	B.
The year	17,500	485	2,290	1.96	26.55	

Monthly discharge of Chattahoochee River near Norcross, Ga.—Continued.
[Drainage area, 1,170 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1915-1916					
October.....	10,200	1,260	2,840	2.43	2.80
November.....	2,640	1,190	1,460	1.25	1.40
December.....	35,100	1,120	5,080	4.34	5.00
January.....	4,520	2,120	2,700	2.31	2.66
February.....	9,850	1,920	2,940	2.51	2.71
March.....	3,210	1,600	2,190	1.87	2.16
April.....	2,040	1,420	1,680	1.44	1.61
May.....	8,200	1,140	1,770	1.51	1.74
June.....	2,160	1,220	1,570	1.34	1.50
July.....	28,900	1,110	7,220	6.17	7.11
August.....	5,250	1,600	2,480	2.12	2.44
September.....	2,040	1,180	1,440	1.23	1.37
The year.....	35,100	1,110	2,790	2.38	32.50
1916-1917					
October.....	2,800	1,040	1,340	1.15	1.33
November.....	1,840	1,110	1,310	1.12	1.25
December.....	4,190	1,250	1,900	1.62	1.87
January.....	6,900	1,680	2,540	2.17	2.50
February.....	16,200	1,840	4,450	3.80	3.96
March.....	21,500	2,720	6,320	5.40	6.23
April.....	11,100	2,640	4,030	3.44	3.84
May.....	3,340	1,920	2,320	1.98	2.28
June.....	3,140	1,560	2,070	1.77	1.98
July.....	3,870	1,080	1,810	1.55	1.79
August.....	5,510	1,010	1,830	1.66	1.80
September.....	6,250	1,080	1,890	1.62	1.81
The year.....	21,500	1,010	2,640	2.26	30.64
1917-1918					
October.....	1,920	1,080	1,380	1.18	1.36
November.....	1,560	1,010	1,250	1.07	1.19
December.....	2,010	1,150	1,410	1.21	1.40
January.....	10,000	1,080	3,050	2.61	3.01
February.....	4,670	1,740	2,510	2.15	2.24
March.....	1,830	1,390	1,590	1.36	1.57
April.....	5,030	1,390	1,950	1.67	1.86
May.....	2,460	1,080	1,540	1.32	1.52
June.....	1,920	940	1,260	1.08	1.20
July.....	2,460	670	1,230	1.05	1.21
August.....	4,310	730	1,210	1.03	1.19
September.....	2,840	670	1,060	0.906	1.01
The year.....	10,000	670	1,620	1.38	18.76
1918-1919					
October.....	25,500	640	2,540	2.17	2.50
November.....	8,930	1,390	2,530	2.16	2.41
December.....	33,400	1,470	4,990	4.26	4.91
January.....	9,060	2,280	4,020	3.44	3.97
February.....	12,900	2,280	2,720	3.18	3.31
March.....	13,400	2,740	4,340	3.71	4.28
April.....	5,390	2,190	2,790	2.38	2.66
May.....	7,250	1,920	2,540	2.17	2.50
June.....	4,550	1,470	2,100	1.79	2.00
July.....	7,000	1,560	2,240	1.91	2.20
August.....	2,640	1,010	1,510	1.29	1.49
September.....	1,740	800	1,040	.889	.99
The year.....	33,400	640	2,860	2.44	33.20

CHATTAHOOCHEE RIVER AT WEST POINT, GA.

Location.—At West Point waterworks pumping plant just below Oseligee Creek, one-fourth mile east of Alabama-Georgia State line and 1 mile upstream from West Point railroad station. Previous to October 20, 1912, station was at Montgomery Street Bridge in West Point.

Drainage Area.—3,300 square miles.

Records Available.—July 30, 1896, to September 30, 1920.

Gage.—Staff gage on left bank. By using a telescope the observer reads gage from pump house on right bank. Datum of this gage is 0.2 foot lower than that used prior to 1916, but new gage reads about the same as old chain gage, a mile downstream, at a stage of 3.5 feet.

Discharge Measurements.—Made from Montgomery Street Bridge, a mile downstream. No tributaries enter between gage and bridge.

Channel and Control.—Bed rocky; fairly permanent; banks subject to overflow at high stages. Control a rock ledge extending across river just below gage, and is probably not affected by Langdale dam 5 miles downstream. The old chain gage was abandoned in 1912, because of backwater from this dam.

Regulation.—Operation of power plants a great distance upstream causes some diurnal fluctuation, but a mean of three daily readings is probably accurate.

Discharge measurements of Chattahoochee River at West Point, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
	Feet.	Sec.-ft.		Feet.	Sec.-ft.
1907			1912		
March 22.....	3.56	4,530	Jan. 25.....	4.01	4,320
March 23.....	3.58	4,560	August 26.....	4.50	6,000
July 26.....	2.01	1,840	August 31.....	3.20	3,050
1908			September 6.....	2.90	2,560
March 30.....	4.73	6,850	September 18.....	3.40	3,360
December 5.....	2.79	2,940	September 19.....	3.80	4,120
1909			September 24.....	4.50	5,650
April 2.....	4.70	6,890	October 21.....	5.60	8,400
April 3.....	4.58	6,570	November 21.....	2.99	2,650
June 3.....	5.08	7,840	November 30.....	2.94	2,560
June 5.....	8.00	14,900	1913		
August 24.....	2.70	3,130	February 12.....	4.29	5,470
August 25.....	2.80	3,150	February 12.....	4.38	5,390
August 25.....	2.70	3,020	February 12.....	4.34	5,500
August 26.....	2.42	2,580	February 12.....	4.37	5,890
August 26.....	2.50	2,620	February 13.....	6.73	11,400
August 27.....	2.69	2,900	1915		
August 27.....	2.70	2,910	February 24.....	7.05	12,000
1910			February 25.....	8.56	15,500
May 7.....	2.87	2,840	December 21.....	12.97	26,400
August 25.....	2.28	2,250	1916		
August 26.....	2.27	2,100	November 24.....	3.51	3,200
November 4.....	1.80	1,690	1918		
November 5.....	1.96	1,580	March 19.....	3.54	3,110
1911			April 26.....	5.65	8,140
February 18.....	3.58	4,190	June 19.....	3.42	2,870
February 18.....	3.57	3,980	August 1.....	3.95	3,970
April 6.....	8.18	14,100	September 26.....	2.68	1,770
April 7.....	8.49	15,100			

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Chattahoochee River at West Point.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	9.1	6.1	8.2	3.5	4.4	3.65	3.0	2.5	1.7	3.1	1.9	4.2
2	9.1	8.4	10.9	3.5	4.0	3.65	3.2	2.9	1.7	2.8	1.85	3.7
3	8.1	6.2	12.5	3.5	3.85	4.2	3.5	2.55	1.8	2.55	2.1	3.3
4	5.5	6.5	10.0	3.5	4.0	4.2	3.35	2.5	1.7	2.2	2.2	3.2
5	4.9	12.0	7.2	3.4	4.1	3.6	3.2	2.3	2.6	2.1	2.2	3.1
6	4.5	10.8	5.5	4.0	3.95	3.35	2.8	2.1	3.0	2.1	2.4	2.95
7	4.4	7.2	4.9	3.7	5.0	3.2	3.4	2.3	2.65	2.15	2.15	2.9
8	4.2	5.6	4.6	4.2	4.8	3.1	3.0	2.3	2.25	2.25	2.05	2.9
9	4.1	4.9	4.4	4.0	5.1	2.95	2.6	2.3	2.3	2.8	2.0	3.2
10	4.0	4.6	4.2	3.6	4.8	3.0	2.45	2.25	2.8	2.4	2.35	4.8
11	3.95	4.3	4.2	3.4	4.5	2.8	2.35	2.0	3.2	2.2	3.2	5.1
12	3.9	4.2	4.1	3.3	4.3	3.0	2.4	2.5	3.2	2.1	3.05	5.2
13	3.8	4.0	4.0	3.3	3.9	2.8	2.3	2.7	2.65	2.0	3.3	5.0
14	3.8	3.9	4.0	3.3	3.8	3.3	3.9	2.45	2.4	1.9	2.85	6.0
15	3.7	3.8	4.5	3.3	7.3	3.5	5.2	2.3	2.1	1.85	2.6	6.0
16	3.6	3.75	4.6	3.25	7.6	3.1	3.1	3.2	2.0	1.8	2.4	5.3
17	3.55	3.7	4.1	5.8	5.6	3.1	2.85	3.9	2.0	1.7	2.25	4.8
18	3.55	3.65	3.95	5.8	4.7	2.8	2.6	3.35	1.8	1.8	2.4	4.2
19	3.5	3.6	3.8	5.2	4.1	2.8	2.7	2.9	1.7	1.8	2.8	4.0
20	3.65	3.65	3.8	4.8	3.7	2.8	2.7	2.5	1.7	1.75	3.0	3.7
21	3.75	3.65	3.7	4.1	3.5	2.9	2.9	2.35	1.75	1.8	4.2	3.55
22	3.65	3.6	3.7	5.3	3.4	2.75	2.8	2.7	2.0	1.8	6.1	3.55
23	3.6	3.55	3.6	8.3	3.35	2.7	2.45	2.5	3.7	1.8	7.6	8.9
24	3.45	3.5	3.55	8.0	3.3	2.7	2.3	2.4	3.5	1.8	8.4	10.0
25	3.4	3.95	3.55	7.1	3.35	2.65	2.0	2.55	4.0	1.8	7.8	7.6
26	3.55	4.2	3.5	5.4	3.5	2.7	2.3	2.7	4.3	1.8	7.8	5.6
27	3.55	5.8	3.45	4.7	4.0	2.7	2.65	2.4	2.8	1.7	5.0	4.6
28	3.45	7.0	3.4	4.8	4.0	3.45	2.95	2.1	2.5	1.8	4.0	4.2
29	3.4		3.35	6.8	3.9	3.1	3.3	1.95	2.6	1.75	4.3	4.8
30	3.4		3.35	5.5	3.5	3.1	3.3	1.8	2.8	1.8	4.4	5.8
31	3.9		3.3		3.5		2.95	1.8		1.8		7.0
1908												
1	8.6	11.8	4.6	4.8	5.2	3.6	2.6	2.45	2.3	1.7	3.3	2.4
2	9.2	11.6	4.4	4.0	5.0	3.55	2.5	2.35	2.35	1.75	2.9	2.9
3	5.4	8.0	4.4	4.2	4.8	3.6	2.5	2.2	2.2	1.7	2.8	3.0
4	4.7	6.2	4.6	4.2	4.5	3.7	2.6	2.2	2.1	1.7	4.2	2.6
5	5.6	5.0	4.4	4.1	4.5	4.2	2.7	2.3	2.15	1.7	4.3	2.6
6	5.8	5.0	4.3	4.2	5.0	4.3	4.4	2.3	5.0	1.7	3.8	2.7
7	6.5	4.8	4.2	4.3	6.0	3.65	4.8	2.6	5.6	1.7	3.25	3.25
8	6.3	4.5	4.1	4.3	6.6	3.4	4.4	3.2	4.8	1.7	2.9	3.85
9	5.5	4.3	4.1	4.3	6.4	3.3	3.75	3.2	3.35	2.05	2.8	7.5
10	4.8	5.4	4.0	4.1	5.1	3.25	4.1	3.25	2.8	3.0	2.5	7.4
11	4.6	7.6	3.9	4.0	4.6	3.85	4.3	3.2	2.5	3.2	2.45	4.4
12	5.6	9.0	3.95	4.0	4.4	3.4	3.7	2.7	2.3	3.75	2.35	3.7
13	7.3	9.2	4.0	3.7	4.2	3.2	3.25	2.35	2.2	3.45	2.3	3.3
14	7.9	7.6	4.0	3.3	4.0	3.35	2.95	2.1	2.15	3.3	2.3	3.3
15	5.8	11.6	4.0	3.9	4.0	3.6	3.0	2.1	2.05	1.95	2.45	3.2
16	5.0	12.6	3.95	6.2	3.85	4.1	2.8	2.0	2.0	1.9	2.5	3.3
17	4.5	11.4	3.85	6.4	3.95	3.75	2.6	2.1	2.0	2.05	2.45	3.2
18	4.2	9.9	3.95	6.2	4.7	3.3	2.5	2.3	1.95	1.95	2.65	2.9
19	4.2	7.0	3.75	5.6	5.2	3.3	2.4	2.6	1.95	2.0	2.55	2.8
20	4.0	6.6	3.7	5.4	4.6	3.1	2.8	3.0	1.9	1.95	2.6	2.75
21	3.95	6.0	3.6	5.4	4.5	3.05	3.0	3.7	1.95	1.9	2.5	2.7
22	3.9	5.6	4.6	4.2	4.2	3.0	2.5	3.5	2.1	1.85	2.1	9.2
23	3.85	5.2	7.0	5.6	3.9	3.2	2.4	3.05	2.05	1.9	2.15	11.4
24	3.75	5.0	11.1	5.0	3.8	3.8	2.7	4.5	2.0	1.9	2.3	8.8
25	3.75	4.8	12.3	10.9	3.8	3.75	2.65	8.4	1.95	1.9	2.3	6.7
26	3.7	5.2	11.8	15.9	4.2	3.2	2.2	8.8	1.9	2.4	2.35	5.9
27	3.8	5.4	9.2	14.6	4.7	3.0	2.9	6.6	1.85	2.7	2.2	4.1
28	3.7	5.0	6.1	12.1	4.2	2.9	2.45	4.0	1.8	2.5	2.25	3.85
29	3.65	4.9	5.6	7.4	3.95	2.8	2.45	3.1	1.9	2.8	2.15	3.5
30	3.75		4.8	5.8	4.2	2.65	2.65	2.8	1.9	3.05	2.15	3.45
31	4.1		4.8		4.2		2.65	2.5		3.25		3.35

Rating table for Chattahoochee River at West Point, for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.70	1,490	3.20	3,700	4.70	6,830	7.40	13,340
1.80	1,600	3.30	3,890	4.80	7,060	6.60	13,860
1.90	1,720	3.40	4,080	4.90	7,290	7.80	14,380
2.00	1,840	3.50	4,280	5.00	7,520	8.00	14,900
2.10	1,970	3.60	4,480	5.20	7,980	9.00	17,740
2.20	2,100	3.70	4,680	5.40	8,440	10.00	20,700
2.30	2,240	3.80	4,880	5.60	8,920	11.00	23,860
2.40	2,380	3.90	5,090	5.80	9,400	12.00	27,100
2.50	2,530	4.00	5,300	6.00	9,880	13.00	30,500
2.60	2,680	4.10	5,510	6.20	10,360	14.00	33,900
2.70	2,840	4.20	5,730	6.40	10,840	15.00	37,350
2.80	3,000	4.30	5,950	6.60	11,320	16.00	40,800
2.90	3,170	4.40	6,170	6.80	11,820		
3.00	3,340	4.50	6,390	7.00	12,320		
3.10	3,520	4.60	6,610	7.20	12,820		

NOTE.—The above table is based on 28 discharge measurements made during 1904 to 1908 and is well defined.

Daily discharge, in second feet, of Chattahoochee River at West Point

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909	4,280	3,170	7,060	7,520	13,900	7,060	6,170	5,510	7,290	2,100	2,380	2,530
2-----	4,080	3,170	6,610	7,060	23,900	5,950	5,090	4,280	3,430	2,100	2,600	2,530
3-----	3,700	3,260	6,830	6,610	26,100	8,440	4,880	16,900	3,080	2,380	3,000	2,530
4-----	3,610	3,170	7,060	6,390	20,100	16,900	5,300	39,100	2,760	2,240	2,600	2,760
5-----	3,520	3,170	6,170	6,170	9,400	15,200	4,080	27,100	2,600	2,170	2,530	2,920
6-----	9,400	6,170	6,170	5,950	7,750	17,400	4,080	17,200	2,460	2,240	2,600	2,600
7-----	14,100	6,610	8,680	6,170	7,060	13,600	4,680	14,400	2,310	2,240	2,600	3,170
8-----	8,920	5,090	11,300	7,060	6,170	8,210	5,300	8,440	2,240	2,240	2,680	5,730
9-----	5,950	4,880	9,880	7,290	5,950	6,830	10,800	7,060	2,600	2,380	2,460	8,440
10-----	4,780	24,200	40,800	7,060	11,600	5,950	12,800	6,390	2,680	2,310	2,170	7,980
11-----	4,280	27,800	39,400	6,170	8,680	5,730	8,680	5,300	2,680	2,100	2,310	5,300
12-----	4,080	18,900	37,400	5,950	6,830	5,510	6,390	4,480	3,170	2,240	2,380	4,680
13-----	3,980	13,600	51,200	6,390	6,170	5,300	5,300	5,510	3,000	2,240	2,460	9,880
14-----	4,280	19,200	44,900	7,520	5,510	5,090	6,390	7,520	2,240	2,600	2,530	9,400
15-----	4,180	23,200	37,000	7,060	5,090	6,170	5,300	8,440	2,240	3,520	2,380	7,980
16-----	4,580	35,300	32,500	6,610	5,510	6,610	6,830	6,170	3,170	9,640	2,240	7,980
17-----	6,610	31,900	27,800	5,950	5,950	7,060	5,950	5,730	2,920	8,440	2,840	5,730
18-----	9,640	15,400	12,300	5,510	5,510	6,170	5,090	4,680	3,610	5,090	3,170	4,880
19-----	9,400	12,300	10,800	5,300	5,090	5,950	4,380	3,890	4,080	3,610	2,840	4,680
20-----	6,610	12,800	15,400	5,090	5,730	5,950	4,080	3,610	3,340	2,340	2,840	4,780
21-----	5,300	11,100	30,500	4,980	6,610	7,520	3,610	3,170	2,840	3,170	3,080	4,380
22-----	4,680	17,200	21,950	4,880	10,400	8,920	5,090	3,000	2,840	4,480	2,840	4,280
23-----	4,380	17,700	13,600	8,440	13,300	7,290	3,890	2,920	2,840	5,730	3,800	3,980
24-----	4,280	22,900	9,880	18,300	12,300	7,060	4,780	2,760	5,090	4,280	5,510	4,080
25-----	3,890	20,700	9,640	11,300	9,400	7,290	4,380	2,840	11,300	3,520	4,480	4,980
26-----	3,890	13,300	10,400	13,900	7,520	6,170	4,080	2,460	7,520	2,920	3,520	6,390
27-----	3,700	9,880	11,800	10,800	8,440	6,170	3,610	2,680	4,280	2,920	3,260	5,300
28-----	3,520	7,980	9,880	11,800	7,980	5,510	3,520	2,530	3,340	2,680	2,920	5,200
29-----	3,430	-----	9,400	10,800	7,520	8,920	3,520	2,530	3,170	2,530	2,530	4,480
30-----	3,430	-----	9,640	8,680	6,610	7,290	4,780	2,380	3,000	2,530	2,530	4,080
31-----	3,260	-----	8,920	-----	5,950	-----	5,510	10,600	-----	2,530	-----	3,800

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Chattahoochee River at West Point.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1910												
1	3,360	5,250	10,400	3,200	3,440	3,610	22,500	2,960	2,660	2,880	1,980	1,860
2	3,440	4,490	13,900	3,280	3,120	3,280	14,900	3,120	5,250	3,200	1,860	2,310
3	3,440	4,680	12,100	3,360	2,810	3,280	15,400	3,440	9,950	2,520	1,740	2,040
4	3,360	5,250	9,720	3,200	2,810	3,440	13,100	2,520	6,450	2,520	1,740	2,240
5	3,280	4,870	7,290	3,280	2,590	3,780	10,400	6,660	4,400	1,980	1,860	4,580
6	3,360	4,220	6,050	3,440	2,810	4,310	7,930	8,370	3,440	1,920	2,380	6,250
7	5,060	3,860	5,450	3,280	2,960	4,490	7,080	12,800	2,960	2,590	2,240	6,870
8	6,870	3,780	5,060	3,280	3,280	7,080	8,370	12,400	2,660	3,120	2,040	7,710
9	6,050	3,860	4,780	3,280	3,950	5,250	8,150	8,590	2,880	4,490	1,920	5,250
10	5,650	3,780	4,580	3,040	7,710	5,060	7,290	5,650	3,120	4,220	1,860	3,950
11	4,490	4,220	5,250	3,040	12,600	5,450	6,870	4,130	3,200	4,310	1,860	3,610
12	3,950	5,450	5,450	2,960	6,450	5,250	6,050	4,130	3,120	3,520	2,110	3,120
13	3,610	5,250	5,650	3,120	4,680	5,850	4,870	4,400	3,120	3,120	1,980	2,660
14	3,610	4,580	5,060	3,120	4,490	8,150	4,220	3,120	2,590	2,520	1,860	2,240
15	3,700	4,130	4,490	3,040	3,950	8,150	4,040	2,810	2,110	2,520	1,860	2,380
16	3,440	4,130	4,310	4,130	3,610	6,450	3,950	2,810	2,110	2,520	1,980	2,590
17	3,440	4,870	4,130	11,800	3,280	5,650	4,580	3,040	2,240	2,040	1,680	2,660
18	3,280	10,600	4,040	13,600	4,040	5,250	6,050	3,120	2,380	2,040	1,800	2,520
19	3,440	15,400	4,040	11,400	3,440	4,040	4,680	2,880	2,110	1,980	2,180	2,660
20	3,860	12,800	4,220	7,290	3,700	3,610	3,860	3,280	1,860	1,860	2,380	2,520
21	4,870	9,030	4,040	5,250	7,500	3,780	3,440	2,960	1,740	1,860	1,980	2,110
22	5,850	9,490	3,780	4,130	10,400	5,450	3,280	2,590	2,180	1,980	1,860	1,980
23	5,250	8,590	3,780	4,040	11,800	4,870	3,280	2,310	2,040	2,040	1,860	2,180
24	5,650	8,150	3,700	4,040	12,800	4,310	4,400	2,310	2,110	1,860	1,980	2,960
25	5,650	9,030	3,610	3,780	22,800	4,130	4,130	2,240	2,110	1,860	1,860	3,610
26	5,060	7,710	3,610	3,860	17,000	3,860	3,610	2,240	1,860	1,860	2,110	3,610
27	4,780	6,050	3,610	3,860	10,900	3,610	3,280	2,520	2,240	1,680	2,110	2,810
28	5,450	6,660	3,610	3,610	7,290	3,360	2,960	2,520	1,980	1,860	2,380	2,880
29	7,500	-----	3,520	3,610	5,450	3,950	2,810	2,450	2,660	2,110	2,520	2,810
30	7,080	-----	3,520	3,610	4,310	12,100	3,610	2,240	3,780	2,110	1,860	3,610
31	5,650	-----	3,440	-----	3,950	-----	3,200	2,880	-----	1,860	-----	3,780

NOTE.—These discharges were obtained from a rating curve which is fairly well defined below 22,200 second-feet.

Daily gage height, in feet, of Chattahoochee River at West Point.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	3.15	2.6	2.95	3.45	3.55	2.6	1.92	2.2	1.6	2.6	3.1	3.1
2	3.2	2.5	2.85	3.4	3.85	2.4	2.2	6.4	1.8	1.85	2.8	3.4
3	8.1	2.7	3.05	3.1	3.55	2.45	2.1	4.8	2.6	1.65	2.7	3.3
4	10.0	2.9	3.1	3.0	3.45	2.45	2.7	4.2	2.6	1.6	2.9	2.8
5	9.4	3.1	3.2	5.6	3.4	2.25	2.2	4.4	2.9	1.4	3.0	2.9
6	8.0	2.85	2.9	8.0	3.35	2.2	2.2	5.0	2.6	1.35	2.5	2.6
7	5.3	3.2	2.9	8.9	3.3	2.25	2.6	4.2	2.3	1.55	3.4	2.7
8	4.4	3.1	2.8	9.3	3.1	2.2	2.6	3.6	2.2	2.4	4.0	2.7
9	3.95	3.45	2.85	9.0	3.0	2.2	2.6	3.2	3.4	2.1	7.7	3.0
10	3.75	4.5	2.8	10.4	3.1	2.35	2.5	2.6	3.2	2.0	7.8	3.2
11	3.5	4.3	3.0	8.4	3.0	2.3	3.0	2.5	2.1	2.1	7.2	3.1
12	3.4	5.6	2.9	6.6	2.75	2.05	2.6	2.9	1.6	3.4	5.4	2.6
13	3.35	5.8	2.8	5.9	2.9	1.9	3.4	3.0	1.5	4.5	4.2	2.5
14	3.25	4.8	2.7	5.8	2.9	1.95	4.0	2.4	1.45	3.4	3.5	2.4
15	3.25	4.2	2.6	5.9	2.7	1.95	5.5	2.5	1.5	3.2	3.8	2.8
16	3.05	4.0	2.55	5.4	2.65	1.85	5.1	2.4	2.2	2.6	3.6	3.1
17	2.85	3.7	2.6	5.0	2.6	1.72	5.2	3.0	2.7	2.4	3.0	3.4
18	2.9	3.6	2.7	4.6	2.55	2.05	6.3	3.0	2.3	3.7	3.1	3.2
19	2.95	3.45	2.8	4.6	2.7	1.9	5.4	2.8	2.3	4.5	3.5	3.0
20	3.0	3.75	2.95	4.7	2.6	2.6	4.2	3.0	2.4	5.3	3.4	3.8
21	2.95	3.7	2.95	4.3	3.2	3.6	3.5	2.1	2.2	4.0	3.1	4.7
22	3.0	3.7	3.15	4.3	3.25	3.3	3.2	1.75	1.7	3.4	3.3	6.8
23	2.9	3.7	3.2	4.1	3.8	2.8	3.2	1.75	2.1	2.6	3.1	8.6
24	2.8	3.5	2.85	3.8	4.3	2.6	2.7	1.75	2.7	2.8	2.9	9.5
25	2.7	3.4	2.9	3.6	3.7	2.6	2.6	1.75	2.1	2.6	3.2	9.0
26	2.7	3.3	3.75	3.6	3.4	2.15	2.9	1.75	2.1	2.6	3.1	6.4
27	2.75	3.2	5.0	3.45	3.2	2.6	2.8	3.3	2.0	3.0	2.8	6.2
28	2.9	2.95	4.6	3.4	3.0	2.6	2.6	2.2	1.9	3.9	2.9	5.9
29	2.9	-----	4.8	3.7	2.5	2.3	2.5	1.8	1.55	3.8	3.2	5.5
30	2.8	-----	4.2	3.6	2.4	2.05	2.4	1.5	1.55	2.8	3.2	5.3
31	2.75	-----	3.6	-----	2.5	-----	2.0	1.42	-----	2.6	-----	5.2

Daily discharge, in second feet, of Chattahoochee River at West Point.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1	8,250	23,400	9,980	24,900	9,730	7,530	6,160	3,000	1,990	3,560	2,990	2,990
2	8,490	12,600	8,010	12,600	9,730	4,900	5,940	2,640	1,840	3,560	2,830	2,830
3	10,500	7,770	7,300	9,980	8,250	4,130	7,300	3,180	1,840	2,820	2,830	2,540
4	8,250	6,880	7,770	8,730	9,320	5,510	7,770	4,700	1,700	5,510	2,990	2,990
5	7,300	5,100	8,730	8,010	11,800	5,720	7,770	3,750	1,840	9,730	2,540	5,080
6	6,380	4,700	15,400	7,300	9,320	6,380	9,980	3,180	1,840	8,730	3,160	4,600
7	5,720	4,320	15,400	7,300	9,480	7,300	11,300	3,370	2,470	6,160	3,530	4,370
8	6,380	4,320	13,100	6,840	11,800	9,480	7,300	8,730	2,820	4,320	3,940	4,370
9	13,300	4,130	10,700	6,840	10,200	6,610	7,070	6,610	2,140	3,750	3,530	4,370
10	11,500	4,320	9,320	6,610	7,300	4,700	9,320	7,770	1,990	2,820	3,530	3,730
11	8,250	5,100	7,770	6,380	6,160	4,320	9,730	12,600	2,140	3,000	3,340	3,730
12	6,840	4,700	8,980	6,160	6,610	3,750	10,700	8,490	2,470	3,180	2,990	3,530
13	5,940	4,130	8,730	6,610	6,610	3,560	13,300	5,100	2,470	3,180	3,340	3,340
14	5,510	5,100	7,530	6,380	6,160	35,500	11,300	3,940	2,640	3,370	2,990	2,990
15	4,900	11,800	52,200	5,720	5,300	44,200	8,730	3,560	2,820	2,820	2,990	3,160
16	4,700	17,600	61,600	7,070	5,100	34,100	6,380	3,370	3,180	3,180	3,160	3,160
17	4,320	16,000	50,100	24,000	5,100	26,400	8,250	3,180	3,560	2,640	3,340	2,680
18	4,320	14,100	43,800	27,100	4,900	12,300	8,250	3,940	3,750	3,000	3,160	3,340
19	4,700	8,730	36,200	18,400	5,100	7,300	7,770	5,300	3,750	2,940	2,400	3,160
20	5,510	7,300	11,500	14,400	4,320	5,510	6,840	4,130	2,470	7,070	3,160	3,160
21	5,100	9,730	9,730	21,000	4,320	4,700	5,940	3,370	2,470	7,720	2,830	3,160
22	4,700	19,000	8,730	21,600	4,130	4,320	5,510	3,180	2,820	8,440	2,680	3,160
23	4,130	17,600	8,010	31,500	3,940	4,130	4,900	3,560	6,840	4,840	2,830	3,940
24	4,130	16,500	12,800	25,200	3,940	3,940	4,510	2,820	5,950	4,150	2,680	7,480
25	4,320	19,300	18,200	19,800	3,940	11,800	3,940	2,640	7,770	3,530	2,830	7,480
26	3,560	16,000	15,400	10,500	3,940	25,200	3,940	4,700	6,380	3,340	2,260	5,560
27	3,940	17,600	11,800	8,490	3,750	21,600	4,130	3,370	3,940	3,160	2,830	4,840
28	3,940	18,200	9,320	9,980	3,370	12,800	3,560	3,000	3,940	3,160	2,680	4,840
29	20,700	14,600	24,600	10,200	4,510	7,770	3,180	2,820	3,940	2,830	2,830	5,800
30	32,800	29,900	12,300	7,770	6,160	3,940	2,140	4,320	2,990	2,680	3,940	3,940
31	28,300	26,100	9,730	9,730	2,820	2,140	2,140	2,830	2,830	3,940	3,940	3,940
1913												
1	4,150	9,750	13,500	9,700	4,150	3,160	5,080	3,730	2,130	---	---	---
2	4,150	8,000	15,500	8,750	4,150	3,730	3,730	8,000	2,000	---	---	---
3	3,940	11,500	9,250	7,750	3,940	6,280	2,990	6,760	2,830	---	---	---
4	4,370	17,500	7,250	7,250	3,730	4,600	2,680	4,150	1,880	---	---	---
5	3,730	14,200	6,280	7,000	3,940	4,150	2,990	3,340	1,770	---	---	---
6	3,940	10,000	5,800	6,520	3,730	5,080	2,540	2,400	1,660	---	---	---
7	3,340	7,500	5,320	6,040	3,730	6,520	2,260	2,400	1,660	---	---	---
8	3,530	6,280	4,840	6,040	3,940	7,000	2,680	5,560	1,660	---	---	---
9	3,730	5,320	4,600	5,800	3,730	7,000	2,260	4,150	1,660	---	---	---
10	3,730	4,840	8,750	5,560	3,940	5,800	2,260	3,340	2,130	---	---	---
11	3,530	4,840	15,000	7,500	3,940	5,320	2,540	2,990	1,770	---	---	---
12	4,370	5,320	13,000	6,760	3,730	4,150	3,160	2,830	2,400	---	---	---
13	5,560	11,200	23,000	6,520	3,340	3,730	4,370	2,830	1,770	---	---	---
14	4,840	10,000	35,000	6,280	3,530	3,340	6,040	2,990	1,660	---	---	---
15	4,150	7,000	45,000	6,040	3,730	3,160	5,080	3,160	1,560	---	---	---
16	3,940	5,560	40,000	5,560	3,340	2,990	3,340	3,340	1,880	---	---	---
17	3,940	4,840	33,000	5,560	3,940	2,680	3,340	2,990	1,770	---	---	---
18	3,730	4,840	23,000	5,320	4,600	2,680	2,830	2,990	1,660	---	---	---
19	3,940	4,370	12,500	5,080	4,150	2,680	2,400	4,370	2,000	---	---	---
20	3,730	7,500	10,500	5,080	3,940	2,680	3,730	2,000	2,130	---	---	---
21	3,730	7,750	13,000	4,840	4,150	2,990	4,150	1,880	2,990	---	---	---
22	3,940	8,750	20,000	4,600	3,730	2,990	3,340	1,770	2,680	---	---	---
23	3,730	8,500	14,000	4,600	4,370	2,990	3,940	1,770	2,400	---	---	---
24	4,370	6,520	10,800	4,370	7,500	3,530	4,600	2,680	1,660	---	---	---
25	11,500	5,560	9,000	4,370	6,280	2,830	3,530	2,990	2,130	---	---	---
26	10,200	4,840	8,000	4,370	7,250	2,680	3,940	2,680	1,660	---	---	---
27	26,000	7,750	18,200	4,600	4,600	2,680	5,560	2,000	1,770	---	---	---
28	35,000	12,200	19,800	4,150	3,940	2,540	6,520	1,770	1,660	---	---	---
29	32,000	18,800	18,800	4,370	3,730	2,540	5,560	1,880	1,660	---	---	---
30	21,500	15,500	4,150	3,340	5,080	6,520	2,990	4,600	---	---	---	---
31	9,750	11,800	3,340	3,340	4,600	2,130	2,130	---	---	---	---	---

Daily discharge, in second feet, of Chattahoochee River at West Point.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913-1914												
1	4,370	2,130	2,130	5,560	2,680	4,150	7,500	2,830	1,660	1,280	1,770	2,130
2	5,800	2,130	2,990	4,600	2,680	3,530	5,560	2,680	1,560	1,560	1,770	2,000
3	3,730	2,260	3,340	5,800	2,830	3,340	4,370	2,680	1,660	1,460	1,560	2,540
4	2,540	1,880	2,990	5,320	2,680	3,160	3,730	2,680	1,770	1,560	1,880	2,540
5	2,260	1,880	3,160	4,370	2,680	2,990	3,340	2,680	2,540	1,880	1,880	2,000
6	1,880	1,880	4,150	3,520	2,540	2,990	3,160	2,830	2,990	2,540	2,130	1,660
7	1,880	1,880	2,990	3,530	4,370	2,830	2,830	2,680	2,540	2,130	1,660	1,460
8	1,880	2,000	3,530	3,160	9,750	2,830	3,340	2,680	2,130	2,260	2,000	1,280
9	1,660	2,000	2,680	2,830	7,250	2,680	3,340	2,830	1,880	1,660	2,540	1,370
10	1,880	1,880	2,540	2,830	5,560	2,400	5,080	2,680	2,000	2,400	8,000	1,200
11	1,660	1,880	2,680	2,990	3,940	2,830	4,150	2,540	1,880	1,880	6,280	1,200
12	1,560	2,130	2,400	2,540	3,340	3,730	3,730	2,000	1,770	1,880	5,560	1,200
13	1,460	2,000	2,400	2,680	3,340	4,370	3,530	2,260	1,770	1,660	9,500	1,460
14	1,460	2,000	2,260	2,540	3,530	4,150	6,520	2,000	2,400	1,560	7,250	1,370
15	1,560	1,880	2,130	2,540	3,530	3,530	15,800	2,000	1,880	1,370	5,320	1,280
16	1,560	2,000	2,540	2,400	3,340	3,160	15,500	1,880	2,400	1,280	7,750	1,280
17	1,420	1,880	2,130	2,400	3,340	2,990	16,800	1,880	2,260	3,340	4,370	1,200
18	1,560	2,000	2,130	2,400	3,340	2,990	8,750	2,130	2,260	5,560	2,540	1,280
19	2,540	1,880	2,130	2,260	2,990	2,680	6,040	2,000	5,320	3,940	2,130	1,660
20	4,150	1,880	2,130	2,400	3,160	2,990	8,750	1,770	3,940	3,160	2,000	4,370
21	3,730	1,880	2,130	2,400	2,990	2,830	9,250	1,770	2,680	2,130	2,400	2,130
22	2,680	2,130	2,130	2,260	3,340	3,340	7,000	1,460	2,260	1,880	2,540	1,880
23	2,830	1,880	2,260	2,400	4,600	3,340	5,320	1,770	1,880	1,660	1,880	1,770
24	4,150	2,000	2,260	2,400	3,530	2,680	4,370	1,880	1,660	1,460	2,260	1,560
25	4,370	1,770	2,680	2,830	3,340	2,830	3,940	1,770	1,560	1,370	2,400	1,560
26	2,990	1,880	2,830	2,990	3,340	2,540	3,730	1,880	1,460	1,370	2,000	1,560
27	2,400	1,880	2,540	3,530	2,680	3,530	2,680	1,660	1,370	1,280	1,880	1,460
28	2,990	1,880	3,160	2,400	3,530	3,160	3,160	1,560	1,370	1,880	1,560	1,370
29	2,260	1,880	4,150	2,540	-----	2,990	3,160	1,660	1,660	2,130	1,460	1,370
30	2,130	2,000	7,000	2,400	-----	2,680	2,990	1,660	1,460	2,400	1,560	1,370
31	2,260	-----	7,000	2,830	-----	5,080	-----	1,880	-----	2,400	1,660	-----
1914-1915												
1	1,370	1,660	7,250	9,500	10,800	7,500	5,080	3,340	13,500	4,600	1,770	2,130
2	1,880	1,560	13,200	6,760	18,500	6,760	4,600	3,160	20,200	15,200	1,770	2,130
3	2,130	1,660	10,800	5,560	15,200	6,280	4,600	3,160	10,200	11,800	1,880	1,880
4	1,660	1,660	12,200	4,840	15,200	6,040	4,600	2,680	6,280	6,040	1,880	1,880
5	2,400	1,660	21,000	4,370	10,800	11,500	4,370	3,160	4,840	10,200	1,880	8,000
6	4,150	1,660	23,500	5,320	11,000	14,200	4,150	2,830	3,940	19,800	2,000	6,280
7	2,990	1,660	23,200	12,200	10,200	11,800	3,150	4,150	4,600	13,000	2,000	3,340
8	2,000	1,660	15,500	12,800	8,750	10,000	3,940	15,200	3,530	6,040	2,000	2,680
9	1,770	1,660	7,000	13,000	7,500	8,250	3,940	18,800	3,530	7,250	1,660	2,540
10	1,660	1,880	5,080	8,000	6,520	7,000	3,940	14,500	3,340	15,200	1,770	2,000
11	1,660	2,680	4,840	6,520	6,040	6,520	3,940	7,750	3,340	15,200	3,160	1,880
12	1,460	2,130	4,150	12,000	5,800	6,040	4,150	7,250	3,340	9,250	2,990	1,770
13	1,550	2,260	4,150	10,500	5,800	5,800	3,730	6,520	4,150	3,940	2,830	1,660
14	1,880	1,770	4,840	9,250	5,560	5,560	3,940	9,750	3,940	3,340	2,400	1,880
15	3,940	7,500	4,600	7,750	6,760	5,320	3,940	10,800	3,160	4,150	2,130	2,830
16	14,000	9,250	4,150	6,040	9,000	5,320	3,940	6,040	3,160	4,150	4,370	2,990
17	17,200	9,000	3,730	9,250	8,500	5,320	3,730	4,600	2,990	3,530	3,340	2,090
18	14,800	7,750	3,730	15,000	8,750	5,080	3,730	3,940	3,940	2,990	2,680	2,400
19	6,280	4,370	3,340	16,000	6,760	5,080	3,730	3,940	2,990	2,990	3,730	1,880
20	3,940	2,990	3,730	15,200	6,040	5,080	3,160	3,530	2,680	2,830	3,530	1,660
21	2,830	2,540	3,530	13,800	5,800	4,840	3,730	3,530	2,680	2,680	4,600	1,660
22	2,260	2,540	3,530	9,000	5,320	4,840	3,340	3,340	2,540	2,830	4,150	1,660
23	2,260	2,130	3,730	7,500	5,560	4,840	3,340	2,990	2,400	2,400	3,160	1,560
24	2,000	2,130	3,940	16,500	10,800	4,600	3,530	3,160	2,400	2,400	2,540	1,770
25	2,000	2,000	4,150	20,500	15,800	4,370	3,530	2,830	2,260	2,400	3,160	1,770
26	1,880	2,000	3,940	18,200	16,800	4,600	3,160	3,160	2,260	2,260	2,260	1,660
27	2,000	2,130	14,500	15,500	12,800	4,600	2,830	4,150	2,540	2,130	2,130	1,460
28	1,770	2,130	18,800	10,800	8,500	4,370	9,000	3,730	9,000	2,400	1,880	1,460
29	1,660	4,150	13,500	8,250	-----	4,370	3,530	7,000	2,680	1,770	1,880	1,460
30	1,660	4,840	14,000	7,250	-----	4,370	3,940	4,150	2,540	1,770	2,400	1,660
31	1,660	-----	12,200	6,760	-----	5,080	-----	4,370	-----	1,770	2,260	-----

NOTE.—Daily discharge determined from a rating curve well defined between 2,500 and 18,000 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Chattahoochee River at West Point.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-1916												
1	3,340	2,830	2,540	35,000	13,200	9,750	3,940	2,540	3,160	3,160	7,000	3,730
2	4,840	2,540	2,400	34,800	15,200	7,000	3,530	2,540	2,990	2,540	6,280	4,150
3	3,730	2,540	2,400	10,000	17,200	8,750	3,730	2,540	2,830	2,540	9,000	5,320
4	4,150	2,540	2,400	9,000	16,800	7,500	4,150	2,400	3,340	2,680	8,750	4,600
5	6,040	2,400	2,400	7,500	13,000	6,520	3,730	2,400	2,830	2,680	8,750	3,160
6	12,500	2,400	2,830	6,520	9,500	5,800	3,530	2,540	2,400	2,680	7,250	3,160
7	12,000	2,400	2,260	6,040	7,500	6,280	3,730	2,400	2,400	19,000	6,040	3,340
8	7,250	2,400	2,260	5,800	6,760	8,250	5,800	2,260	3,340	35,000	9,000	4,840
9	3,940	2,260	2,540	5,320	6,940	8,750	5,320	2,260	3,160	48,800	6,040	5,320
10	3,340	2,260	2,400	5,320	5,800	6,520	4,370	2,000	3,340	45,500	7,750	5,320
11	2,830	2,260	2,260	5,320	5,560	5,560	3,730	2,000	2,680	39,000	7,000	5,080
12	2,400	2,260	2,990	5,560	5,560	5,080	3,940	2,000	2,130	38,800	5,800	4,840
13	2,260	2,260	4,600	9,500	6,040	4,600	3,530	2,130	4,150	38,000	7,500	3,530
14	2,540	2,540	3,530	9,500	6,280	4,370	3,340	2,130	4,600	35,200	7,500	3,940
15	19,500	2,990	2,990	9,250	5,560	4,600	3,160	2,000	3,530	16,000	10,000	7,500
16	13,500	3,940	2,830	7,500	5,080	4,150	3,160	2,000	4,600	14,200	8,000	6,280
17	10,200	2,990	3,530	6,280	4,840	4,150	3,160	2,000	4,840	12,800	5,560	3,940
18	5,320	3,160	28,800	5,800	4,600	3,940	2,680	1,880	5,320	17,000	4,600	3,160
19	5,320	3,940	33,200	5,320	4,370	3,940	3,160	2,260	3,530	18,500	7,000	3,160
20	23,000	3,940	26,500	5,080	4,370	3,940	3,340	1,880	2,830	18,500	8,000	2,680
21	20,800	3,940	26,500	5,320	4,150	3,730	3,340	2,000	3,340	23,800	4,840	2,680
22	20,500	3,940	15,800	5,080	3,940	3,940	3,160	2,000	2,990	21,500	4,600	2,680
23	17,500	2,830	6,520	5,560	4,150	3,730	3,160	2,990	2,680	16,800	4,150	2,540
24	12,500	2,680	5,560	5,080	5,080	3,730	2,930	7,000	2,540	15,500	4,150	2,540
25	7,000	2,680	4,840	5,080	5,800	3,730	2,830	8,750	3,160	14,500	3,730	2,540
26	4,840	2,680	4,840	4,840	4,840	4,840	2,680	10,800	2,990	13,200	3,730	2,400
27	3,940	2,830	4,370	4,600	4,600	5,320	2,830	5,560	2,990	12,000	3,730	2,400
28	3,530	2,990	4,600	4,370	4,150	4,600	2,830	4,840	2,680	10,200	3,530	2,260
29	3,340	2,540	43,500	4,600	9,000	4,370	2,830	3,940	2,680	8,750	3,160	2,400
30	3,160	2,680	48,500	4,370	-----	4,150	2,830	3,340	2,990	7,750	3,940	4,150
31	2,990	-----	38,000	4,370	-----	2,990	-----	3,340	-----	7,250	5,080	-----
1916-1917												
1	3,160	2,990	5,080	6,280	7,500	7,750	11,000	5,500	5,500	8,000	3,220	5,010
2	2,830	3,160	4,840	5,800	12,200	10,200	10,500	5,500	6,000	7,000	2,850	4,060
3	2,260	2,990	3,940	5,560	14,800	18,800	10,000	5,250	5,750	5,750	2,850	6,000
4	2,400	2,830	3,340	5,080	11,000	35,200	10,000	6,000	5,010	5,250	2,200	9,000
5	2,260	2,540	3,160	4,840	15,800	38,800	33,000	6,500	4,060	4,770	3,420	5,750
6	2,260	2,260	3,160	6,280	6,280	33,200	35,200	8,250	3,840	4,060	5,500	4,290
7	2,260	2,540	3,160	6,040	5,560	20,000	27,500	7,250	3,630	5,250	16,500	3,220
8	2,400	2,540	3,940	5,320	5,560	18,800	22,800	6,000	3,630	5,750	10,500	3,030
9	2,260	2,260	9,000	4,600	5,560	11,500	15,200	5,500	3,220	5,250	13,500	2,850
10	2,260	2,260	10,500	4,370	5,320	9,750	13,000	5,250	3,010	3,630	13,000	4,290
11	1,880	2,540	7,500	4,150	4,840	9,000	11,000	5,010	5,500	3,220	10,800	3,420
12	2,130	2,680	6,040	3,730	4,370	7,750	10,000	4,770	4,060	2,200	6,000	2,680
13	2,130	3,730	5,080	3,530	4,370	8,000	9,500	4,770	4,290	3,220	4,290	2,510
14	2,000	3,160	4,150	5,560	4,150	7,500	9,750	4,290	5,750	2,200	3,420	2,200
15	2,130	2,990	3,730	6,520	4,370	7,250	9,250	4,770	4,060	1,470	3,420	1,680
16	1,670	2,830	3,730	11,500	4,600	6,760	8,750	4,530	3,220	3,220	3,840	2,200
17	1,880	2,680	3,730	18,200	4,600	6,760	8,250	4,290	3,030	2,510	6,000	1,930
18	2,000	2,680	3,160	16,800	6,040	6,760	7,750	4,060	3,630	2,510	5,250	1,680
19	7,000	2,540	3,160	12,000	9,000	7,000	7,500	5,010	3,420	2,510	4,290	1,570
20	5,320	2,400	4,150	9,250	18,500	7,250	7,250	4,060	3,030	2,850	3,840	1,800
21	4,840	2,400	3,730	7,750	26,000	7,500	8,000	4,290	3,630	2,850	4,770	1,800
22	4,600	2,400	3,940	8,250	36,000	17,000	7,250	3,420	3,630	2,850	3,030	1,680
23	3,160	2,680	3,730	11,500	24,800	16,000	6,500	5,010	3,840	3,220	3,220	2,350
24	2,830	3,160	3,730	12,800	16,500	20,000	6,500	4,290	3,840	2,510	2,680	5,500
25	2,540	3,160	3,730	13,800	18,500	27,500	6,250	4,290	3,420	3,220	2,680	21,200
26	2,400	3,340	3,730	10,800	20,800	27,200	6,250	4,060	2,680	2,850	2,350	7,250
27	2,400	3,340	3,340	7,000	18,200	40,200	6,000	4,060	4,060	3,220	2,200	4,290
28	2,400	2,830	5,080	7,000	9,250	42,800	6,000	5,750	4,770	2,850	2,200	25,800
29	2,540	4,600	9,500	6,520	-----	33,800	6,000	5,500	3,630	3,220	2,060	32,500
30	2,540	6,280	9,000	8,500	-----	22,500	5,500	5,250	5,500	2,850	2,060	24,000
31	3,730	-----	9,000	7,500	-----	12,800	-----	4,290	-----	3,220	3,030	-----

Daily discharge, in second feet, of Chattahoochee River at West Point.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-1918												
1	13,200	3,630	2,510	2,350	20,500	4,060	3,030	13,500	2,350	7,000	3,840	2,630
2	7,750	2,680	2,680	2,200	14,800	4,060	3,030	9,750	2,200	4,770	9,500	2,850
3	5,010	2,850	2,510	2,350	11,800	3,840	3,030	7,750	2,060	3,420	18,800	2,060
4	4,060	2,850	2,350	2,350	9,750	3,840	3,030	6,000	2,060	2,850	16,000	2,060
5	3,840	2,510	2,350	2,200	8,500	3,630	2,850	5,010	2,060	2,350	9,000	4,530
6	3,420	2,350	2,510	2,680	7,250	3,630	3,040	4,530	2,060	2,060	4,770	6,250
7	3,220	2,510	2,680	3,220	6,250	3,840	3,840	4,060	2,510	1,930	3,220	3,840
8	3,030	2,510	2,510	3,220	6,000	3,630	12,200	3,840	3,220	1,800	2,680	2,850
9	2,850	2,510	2,850	3,220	5,250	3,630	20,200	3,840	4,060	2,060	2,350	2,680
10	2,680	2,510	2,350	3,220	5,250	3,630	17,000	5,010	4,060	2,060	2,200	1,930
11	2,850	2,510	2,350	3,420	5,010	3,420	12,200	5,010	5,010	1,800	4,060	1,930
12	2,850	2,350	2,510	34,800	4,530	3,420	7,750	3,840	3,630	1,680	3,030	1,930
13	2,850	2,680	2,680	26,800	4,770	3,420	5,500	3,840	2,850	1,470	3,420	1,800
14	2,850	2,850	2,350	18,500	5,010	3,630	5,010	7,750	2,680	1,470	1,930	1,630
15	2,680	2,680	2,350	14,000	5,750	3,420	4,530	6,500	2,510	1,380	1,930	1,680
16	2,510	2,680	2,510	14,500	5,750	3,220	4,060	4,530	2,350	1,300	1,800	1,570
17	2,510	2,510	2,510	12,000	6,000	3,030	3,840	3,840	2,200	1,470	1,800	1,470
18	2,680	2,680	2,350	8,750	6,500	3,030	4,290	3,420	2,350	1,470	1,930	1,470
19	2,680	2,350	2,350	6,500	7,000	3,030	4,530	3,420	2,850	1,680	1,800	1,470
20	3,630	2,680	2,510	5,250	7,000	3,420	4,060	3,030	2,060	2,510	1,800	1,800
21	3,420	3,220	2,510	5,500	5,500	3,630	4,290	3,030	2,350	2,850	1,680	2,680
22	3,030	3,420	2,510	9,500	6,000	3,420	4,290	3,220	2,350	3,840	1,570	2,850
23	3,220	2,850	2,510	12,200	5,750	3,420	3,840	3,220	2,510	3,220	1,570	2,350
24	2,680	2,510	2,510	7,750	5,010	3,420	3,630	3,420	2,350	2,850	1,380	2,060
25	2,680	2,510	2,510	6,750	5,010	3,420	3,420	3,840	2,200	4,060	1,470	1,800
26	2,680	2,350	2,680	5,750	4,530	3,220	7,250	3,030	2,350	4,530	1,380	1,680
27	2,680	2,350	2,680	5,250	4,290	3,220	12,200	2,850	2,850	3,630	1,570	1,680
28	2,680	2,350	2,680	6,250	4,060	3,030	8,500	2,510	3,030	10,200	1,380	1,570
29	2,510	2,510	2,680	17,200	-----	3,030	9,750	2,510	2,850	6,500	2,200	1,800
30	2,680	2,510	2,510	22,000	-----	2,850	13,200	2,510	5,250	4,770	2,060	1,800
31	3,630	-----	2,510	26,800	-----	2,850	-----	2,350	-----	4,060	2,510	-----
1918-1919												
1	1,800	22,000	12,200	7,250	6,750	10,500	6,750	4,530	6,000	3,870	3,660	3,870
2	1,420	24,500	7,000	7,750	8,250	9,250	6,250	5,000	5,500	3,270	5,750	4,530
3	1,420	16,200	5,500	13,000	8,250	8,500	6,250	4,530	5,000	3,080	5,500	2,900
4	1,420	5,750	4,530	15,200	7,250	8,000	6,250	4,530	4,300	2,900	6,000	2,730
5	1,540	4,530	4,080	14,800	7,000	7,750	6,250	4,300	6,250	3,270	3,400	2,560
6	1,420	3,080	3,870	10,800	6,250	14,800	6,250	4,530	3,460	2,730	3,660	2,400
7	1,420	3,460	3,660	8,500	6,000	14,000	6,000	4,760	3,270	3,270	3,460	2,400
8	1,310	3,080	3,460	7,500	5,750	15,500	6,000	6,750	3,460	2,900	3,460	2,090
9	1,420	3,080	3,870	7,000	5,750	42,800	5,500	6,500	3,080	4,080	4,530	2,240
10	1,200	2,900	3,270	6,750	5,500	40,200	5,500	10,500	2,900	8,250	3,750	2,090
11	1,310	2,900	3,080	6,500	8,500	29,800	7,750	7,250	2,900	5,750	3,660	1,940
12	1,200	2,730	3,080	5,750	12,200	25,500	7,750	5,500	3,080	5,000	5,000	2,400
13	1,310	2,560	3,270	5,500	10,500	12,200	7,750	5,250	3,270	5,000	5,250	3,270
14	1,310	2,730	4,080	5,750	11,000	10,500	7,500	6,500	3,270	4,300	3,460	2,730
15	1,800	2,560	8,250	5,250	8,250	9,750	6,250	5,750	2,900	3,460	6,000	2,400
16	1,310	2,730	7,750	5,000	7,500	9,250	10,000	6,000	3,080	5,000	5,500	1,800
17	1,540	4,080	7,000	6,250	6,250	10,000	13,500	4,760	3,460	9,250	3,460	1,800
18	1,940	4,080	9,000	13,500	6,000	16,000	10,200	4,300	6,000	7,750	3,270	1,800
19	1,420	3,870	10,500	12,500	7,500	12,000	10,200	4,080	6,000	6,750	2,560	1,670
20	1,670	4,080	7,500	11,200	11,800	10,200	7,000	3,870	4,080	8,000	2,560	1,800
21	1,670	3,660	24,000	9,250	16,800	8,750	6,250	3,870	3,660	13,000	2,560	1,800
22	1,800	3,080	44,600	7,000	20,000	8,250	6,000	4,080	2,900	9,750	2,900	1,940
23	1,800	2,770	47,000	7,250	28,000	7,750	5,500	4,300	3,870	7,500	3,460	2,090
24	1,800	3,660	39,500	10,800	27,200	7,500	5,500	3,870	4,300	5,750	6,500	2,400
25	6,250	3,660	37,000	14,000	18,800	7,250	5,000	3,460	4,300	10,000	3,870	2,090
26	6,250	3,460	37,000	22,800	13,200	7,000	5,000	3,660	4,080	9,750	7,000	1,940
27	6,750	3,460	25,500	24,200	7,750	8,750	4,530	3,660	4,760	8,250	4,300	1,800
28	6,500	12,500	11,500	20,500	7,250	8,750	4,530	4,080	6,250	6,000	3,080	1,670
29	6,750	21,800	9,500	14,200	-----	8,000	4,760	4,530	6,500	4,530	2,730	1,540
30	11,500	12,200	7,500	10,200	-----	8,500	4,530	4,530	5,250	4,080	5,000	2,090
31	21,800	-----	7,750	8,500	-----	7,000	-----	6,000	-----	3,270	3,080	-----

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Chattahoochee River at West Point, Ga.

[Drainage area, 3,300 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	18,000	4,080	6,170	1.87	2.16	A.
February	27,100	4,280	8,350	2.53	2.64	A.
March	28,800	3,890	7,680	2.33	2.69	A.
April	15,700	3,800	6,790	2.06	2.30	A.
May	13,900	3,890	5,990	1.82	1.82	A.
June	5,730	2,760	3,600	1.09	1.22	A.
July	7,980	1,840	3,280	.994	1.15	A.
August	5,090	1,600	2,550	.773	.89	A.
September	5,950	1,490	2,660	.806	.90	A.
October	3,520	1,490	1,910	.579	.67	A.
November	16,000	1,660	4,980	1.51	1.68	A.
December	20,700	3,170	7,310	2.22	2.56	A.
The year	28,800	1,490	5,110	1.55	20.96	
1908						
January	18,300	4,580	7,840	2.38	2.74	A.
February	29,100	5,950	13,100	3.97	4.28	A.
March	28,100	4,480	8,520	2.58	2.97	A.
April	40,500	3,890	10,400	3.15	3.51	A.
May	11,300	4,880	6,620	2.01	2.32	A.
June	5,950	2,760	4,170	1.26	1.41	A.
July	7,060	2,100	3,460	1.05	1.21	A.
August	17,200	1,840	4,190	1.27	1.46	A.
September	8,920	1,600	2,620	.794	.89	A.
October	4,780	1,490	2,290	.694	.80	A.
November	5,950	1,970	2,850	.864	.96	A.
December	25,200	2,380	6,450	1.95	2.25	A.
The year	40,500	1,500	6,040	1.83	24.800	
1909						
January	14,100	3,260	5,280	1.60	1.84	A.
February	35,800	3,170	14,100	4.27	4.45	A.
March	51,200	6,170	18,200	5.52	6.36	A.
April	18,300	4,880	7,760	2.35	2.62	A.
May	26,100	5,090	9,290	2.82	3.25	A.
June	17,400	5,090	7,910	2.40	2.68	A.
July	12,800	3,520	5,430	1.65	1.90	A.
August	39,100	2,380	7,730	2.34	2.70	A.
September	11,300	2,240	3,610	1.09	1.22	A.
October	9,640	2,100	3,310	1.00	1.15	A.
November	5,510	2,170	2,870	.870	.97	A.
December	9,880	2,530	5,080	1.54	1.78	A.
The year	51,200	2,100	7,550	2.29	30.92	
1910						
January	7,500	3,280	4,630	1.40	1.61	B.
February	15,400	3,780	6,440	1.95	2.03	B.
March	13,900	3,440	5,360	1.62	1.87	B.
April	13,600	2,960	4,530	1.37	1.53	B.
May	22,800	2,590	6,450	1.95	2.25	B.
June	12,100	3,280	5,030	1.52	1.70	B.
July	22,500	2,810	6,530	1.98	2.28	B.
August	12,800	2,240	4,100	1.24	1.43	B.
September	9,950	1,740	3,040	.921	1.03	B.
October	4,490	1,680	2,480	.752	.87	B.
November	2,520	1,680	1,990	.603	.67	B.
December	7,710	1,860	3,300	1.00	1.15	B.
The year	22,800	1,680	4,480	1.36	18.42	

WATER POWERS OF GEORGIA

Monthly discharge of Chattahoochee River at West Point.—Continued.

[Drainage area, 3,300 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1912						
January	32,800	3,560	8,280			B.
February	23,400	4,130	11,000			B.
March	61,600	7,300	18,300			C.
April	31,500	5,720	13,100			B.
May	11,800	3,370	6,630			B.
June	44,200	3,560	11,400			B.
July	13,300	2,820	7,020			B.
August	12,600	2,140	4,330			B.
September	7,770	1,700	3,270			B.
October	9,730	2,640	4,270			A.
November	3,940	2,260	3,000			A.
December	7,480	2,540	4,010			A.
The year	61,600	1,700	7,850			
1913						
January	a35,000	3,340	7,810	2.37	2.73	B.
February	17,500	4,370	7,940	2.41	2.51	A.
March	a45,000	4,600	15,800	4.79	5.52	B.
April	9,760	4,150	5,820	1.76	1.96	A.
May	7,500	3,340	4,180	1.27	1.46	A.
June	7,000	2,540	3,920	1.19	1.33	A.
July	6,520	2,260	3,320	1.16	1.34	A.
August	8,000	1,770	3,190	.967	1.11	A.
September	4,600	1,560	2,040	.618	.69	B.
1913-1914						
October	5,800	1,420	2,570	0.779	0.90	B.
November	2,260	1,770	1,950	.591	.66	B.
December	7,000	2,130	2,980	.908	1.04	A.
January	5,800	2,260	3,050	.924	1.07	A.
February	9,750	2,540	3,750	1.14	1.19	A.
March	5,080	2,400	3,180	.964	1.11	A.
April	16,800	2,830	5,940	1.80	2.01	A.
May	2,830	1,460	2,150	.652	.75	B.
June	5,320	1,370	2,130	.645	.72	B.
July	5,560	1,280	2,070	.627	.72	B.
August	9,500	1,460	3,210	.973	1.12	B.
September	4,370	1,200	1,680	.509	.57	B.
The year	16,800	1,200	2,880	.873	11.86	
1914-1915						
October	17,200	1,370	3,570	1.08	1.24	B.
November	9,250	1,550	3,100	.939	1.05	A.
December	23,500	3,340	8,900	2.70	3.11	A.
January	20,500	4,370	10,400	3.15	3.63	A.
February	18,500	5,320	9,460	2.87	2.99	A.
March	14,200	4,370	6,300	1.91	2.20	A.
April	5,080	2,830	3,870	1.17	1.30	A.
May	18,800	2,680	5,900	1.79	2.06	A.
June	20,200	2,260	4,410	1.34	1.50	A.
July	19,800	1,770	6,000	1.82	2.10	B.
August	4,600	1,660	2,590	.785	.90	A.
September	8,000	1,460	2,360	.715	.80	B.
The year	23,500	1,370	5,570	1.69	22.88	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Chattahoochee River at West Point.—Continued.

[Drainage area, 3,300 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1915-1916					
October	23,000	2,260	8,000	2.42	2.79
November	3,940	2,260	2,820	.855	.95
December	48,500	2,260	10,900	3.30	3.80
January	35,000	4,370	7,990	2.42	2.79
February	17,200	3,940	7,210	2.18	2.35
March	9,750	2,990	5,310	1.61	1.86
April	5,800	2,680	3,480	1.05	1.17
May	10,800	1,880	3,180	.964	1.11
June	5,320	2,130	3,230	.979	1.09
July	48,800	2,540	18,200	5.52	6.36
August	10,000	3,160	6,180	1.87	2.16
September	7,500	2,260	3,790	1.15	1.28
The year	48,800	1,880	6,730	2.04	27.71
1916-1917					
October	7,000	1,670	2,790	0.845	0.97
November	6,280	2,260	2,960	.897	1.00
December	10,500	3,160	4,940	1.50	1.73
January	18,200	3,530	7,960	2.41	2.78
February	36,000	4,150	11,600	3.52	3.66
March	42,800	6,760	17,600	5.33	6.14
April	35,200	5,500	11,400	3.45	3.85
May	8,250	3,420	5,060	1.53	1.76
June	6,000	2,680	4,150	1.26	1.41
July	8,000	1,470	3,660	1.11	1.28
August	16,500	2,060	5,060	1.53	1.76
September	32,500	1,570	6,520	1.98	2.21
The year	42,800	1,470	6,940	2.10	28.55
1917-1918					
October	13,200	2,510	3,520	1.07	1.23
November	3,630	2,350	2,650	.803	.90
December	2,850	2,350	2,520	.764	.88
January	34,800	2,200	9,560	2.90	3.34
February	20,500	4,060	6,890	2.09	2.18
March	4,060	2,850	3,430	1.04	1.20
April	20,200	2,850	6,580	1.99	2.22
May	13,500	2,350	4,550	1.38	1.59
June	5,250	2,060	2,770	.839	.94
July	10,200	1,300	3,130	.948	1.09
August	18,800	1,380	3,700	1.12	1.29
September	6,250	1,470	2,290	.694	.77
The year	34,800	1,300	4,290	1.30	17.63
1918-1919					
October	21,800	1,200	3,290	1.00	1.15
November	24,500	2,560	6,390	1.94	2.16
December	47,000	3,030	13,100	3.97	4.58
January	24,200	5,000	10,500	3.18	3.67
February	28,000	5,500	10,500	3.18	3.31
March	42,800	7,000	13,000	3.94	4.54
April	13,500	4,530	6,680	2.02	2.25
May	10,500	3,460	5,010	1.52	1.75
June	6,500	2,900	4,240	1.28	1.43
July	13,000	2,730	5,800	1.76	2.03
August	7,000	2,560	4,210	1.28	1.48
September	4,530	1,540	2,290	0.694	0.77
The year	47,000	1,200	7,080	2.15	29.12

WATER POWERS OF GEORGIA

CHATTAHOOCHEE RIVER AT ALAGA, ALA.

Location.—At the Atlantic Coast Line Railway bridge one-fourth mile east of Alaga, 4 miles east of Gordon, and half a mile west of Saffold, Ga., about 35 miles above the junction of Chattahoochee and Flint rivers.

Drainage Area.—8,780 square miles (United States Weather Bureau figures.)

Records Available.—Gage heights from January 1, 1908 to December 31, 1912.

Gage.—Standard chain gage attached to the railroad bridge; datum unchanged since 1908.

Discharge Measurements.—Made from the railroad bridge.....

Channel and Control.—Shifting; lack of conformity in discharge measurements indicates much change.

No rating has yet been developed.

Cooperation.—The gage heights have been furnished by the United States Weather Bureau.

Discharge measurements of Chattahoochee River at Alaga, Ala.

Date	Gage height.		Discharge.	
	Feet.	Sec.-ft.		
June 15..... 1908	6.26		8,810	
August 3..... 1909	7.35		9,940	
November 30.....	2.77		4,530	
October 21..... 1911	2.33		4,780	

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Chattahoochee River at Alaga, Ala.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1-----	27.8	14.3	11.5	13.0	36.7	8.6	4.8	4.2	5.2	2.7	4.7	3.0
2-----	26.3	30.3	11.0	12.0	29.0	8.5	5.7	4.6	4.7	2.5	4.4	3.1
3-----	21.6	32.0	10.5	11.7	17.4	7.6	4.8	4.4	4.2	2.5	4.7	3.5
4-----	19.2	32.0	10.2	10.6	13.5	7.1	5.0	4.1	4.0	2.5	4.9	3.8
5-----	14.7	23.3	9.9	10.1	12.2	6.8	5.6	3.9	3.9	2.2	4.9	4.4
6-----	14.0	16.8	9.5	9.9	12.4	6.8	6.1	3.7	3.7	2.1	5.9	4.1
7-----	17.8	13.8	9.8	10.4	13.2	7.6	5.8	4.2	3.6	2.2	7.0	3.7
8-----	25.6	12.9	9.7	10.4	13.5	7.9	7.5	4.9	4.5	2.2	6.2	3.6
9-----	25.9	12.2	9.4	10.0	13.5	7.0	10.0	5.2	8.6	2.4	5.2	3.8
10-----	24.8	11.5	9.2	9.6	13.4	6.4	9.9	6.3	8.1	2.6	4.4	4.7
11-----	17.0	13.0	9.0	9.5	12.7	6.0	8.2	5.8	6.7	3.2	4.1	8.0
12-----	16.5	17.9	8.7	9.1	11.5	6.1	8.0	5.6	5.0	3.3	3.8	11.1
13-----	17.5	19.3	8.6	8.9	10.3	6.7	8.1	5.2	4.3	4.2	3.6	8.1
14-----	16.7	19.1	8.5	8.6	9.7	6.9	7.0	4.7	3.8	4.5	3.7	8.6
15-----	16.3	18.9	8.5	8.4	9.2	6.3	6.8	4.1	3.4	5.0	3.6	8.0
16-----	16.3	21.6	8.4	8.1	8.9	6.1	5.8	3.6	3.2	4.4	3.5	5.5
17-----	14.0	25.5	8.4	10.2	8.5	6.3	5.3	3.2	3.0	3.1	3.5	5.0
18-----	12.4	26.3	8.3	14.0	8.3	6.5	5.3	3.1	2.9	2.7	3.6	4.7
19-----	11.4	23.7	8.0	13.3	8.2	6.7	5.7	3.1	2.8	2.5	3.6	4.4
20-----	10.9	24.1	7.9	12.3	9.1	6.3	4.9	3.3	2.8	2.3	3.4	4.2
21-----	10.2	21.1	7.9	11.3	10.0	6.4	5.5	3.9	3.1	2.5	3.6	4.0
22-----	9.9	17.6	7.9	10.4	9.5	5.7	5.5	4.6	3.3	2.4	3.5	3.9
23-----	9.3	15.1	9.6	11.9	8.7	5.6	5.7	6.1	3.3	2.5	3.5	4.5
24-----	10.0	13.8	25.5	15.4	8.5	5.6	5.9	7.9	3.1	2.5	3.4	12.5
25-----	9.8	12.7	34.5	17.3	7.7	6.5	4.8	7.2	3.1	2.3	3.3	17.0
26-----	9.3	12.2	36.5	17.5	7.5	7.6	5.4	9.7	3.1	2.4	3.0	14.7
27-----	9.0	12.2	35.3	24.9	7.8	7.1	5.9	16.3	3.0	2.4	3.1	11.5
28-----	8.8	12.4	32.0	33.5	7.6	6.0	5.5	16.9	3.1	2.4	3.2	8.6
29-----	8.6	12.2	24.7	37.1	8.4	5.3	5.8	13.5	3.0	3.4	3.3	6.8
30-----	8.5	-----	17.4	38.2	8.6	5.0	5.1	9.1	3.0	4.5	3.1	6.4
31-----	8.3	-----	14.4	-----	7.9	-----	4.4	6.4	-----	4.6	-----	5.5

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Chattahoochee River at Alaga, Ala.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1-----	5.3	4.0	11.2	11.7	14.0	8.7	8.0	6.6	2.8	3.6	2.3	2.7
2-----	5.3	3.9	9.9	11.1	15.4	7.8	8.3	7.6	4.8	3.2	2.3	2.7
3-----	5.3	3.8	9.2	10.2	19.5	7.7	7.4	7.6	8.7	3.2	2.3	2.6
4-----	5.2	3.8	8.6	9.7	20.4	8.7	7.2	8.0	5.4	2.6	2.6	2.5
5-----	4.9	3.8	8.5	9.2	19.8	15.4	6.4	13.8	3.8	2.1	2.6	2.5
6-----	4.9	3.8	8.4	9.0	17.8	19.2	6.1	21.3	3.5	2.3	3.0	2.4
7-----	4.7	4.9	8.3	8.8	14.2	16.5	5.6	20.7	3.3	2.6	2.8	2.6
8-----	6.3	6.5	8.4	9.1	11.5	14.9	5.2	16.4	3.1	2.3	2.6	3.4
9-----	10.8	7.6	9.5	9.5	10.0	13.3	5.6	14.6	3.0	2.2	2.4	3.9
10-----	9.5	7.4	13.4	10.7	9.0	10.0	9.6	12.2	3.1	3.2	2.4	3.8
11-----	7.2	21.6	20.2	10.5	8.4	7.3	12.8	9.3	3.0	2.1	2.6	5.6
12-----	6.0	27.6	28.5	9.6	11.3	7.6	12.8	8.2	3.4	2.1	2.6	7.1
13-----	5.6	26.5	31.1	8.9	11.9	7.2	9.4	7.3	3.2	2.3	2.3	6.3
14-----	5.3	20.2	31.8	8.8	9.3	6.8	9.1	6.5	3.0	2.5	2.1	5.3
15-----	5.2	15.0	33.7	9.3	8.1	7.6	9.7	6.5	3.6	2.3	2.3	8.0
16-----	5.0	19.7	35.3	9.7	7.3	7.6	9.7	7.1	3.5	2.1	2.3	9.3
17-----	5.1	26.1	34.4	9.2	6.9	7.8	7.9	8.7	3.1	2.5	2.3	7.5
18-----	5.2	27.9	30.5	8.5	7.3	7.9	7.7	7.7	3.5	4.0	2.5	7.5
19-----	6.5	25.9	24.6	8.0	7.9	7.6	7.8	6.8	4.4	7.5	2.3	6.5
20-----	8.4	20.5	16.4	7.5	8.1	7.7	7.3	6.0	4.2	6.2	2.5	5.6
21-----	9.0	18.2	21.6	7.4	9.0	7.1	7.0	5.4	4.4	4.5	3.0	5.1
22-----	7.8	16.0	31.1	7.1	9.0	8.2	6.1	4.6	4.5	3.8	2.8	5.0
23-----	6.5	14.3	33.5	6.9	9.3	10.2	6.5	4.2	4.2	3.4	2.5	4.9
24-----	5.5	16.3	30.8	7.1	9.5	11.2	7.5	3.8	4.0	3.5	2.8	4.5
25-----	5.3	17.6	21.8	9.0	11.3	9.8	7.2	3.7	4.4	4.5	3.3	4.2
26-----	5.0	17.8	15.1	14.2	12.0	8.2	7.0	3.6	5.4	4.9	4.5	4.2
27-----	5.0	17.0	13.6	15.1	11.5	8.0	6.1	3.4	7.9	4.1	4.8	4.6
28-----	4.7	13.8	13.2	16.3	10.6	7.9	5.6	3.3	8.1	3.5	4.0	5.6
29-----	4.6	-----	13.2	16.9	9.9	7.2	5.1	3.1	6.0	3.1	3.4	5.9
30-----	4.4	-----	13.2	15.8	10.4	7.9	4.8	3.0	4.2	2.7	2.9	5.0
31-----	4.0	-----	12.5	-----	9.3	-----	5.0	2.9	-----	2.7	-----	4.8
1910												
1-----	4.3	10.0	13.6	4.7	5.4	5.2	5.4	4.2	2.5	1.7	1.1	2.5
2-----	3.9	8.2	24.0	4.5	5.1	4.6	6.8	5.2	2.5	1.7	1.2	2.4
3-----	3.6	6.8	22.5	4.5	4.9	4.2	15.5	4.4	3.4	3.0	2.4	2.2
4-----	3.6	6.1	18.5	4.3	4.8	3.9	14.7	3.8	4.0	2.4	1.2	1.8
5-----	3.8	6.3	15.2	4.1	4.4	3.7	16.2	3.8	8.1	2.4	1.2	1.6
6-----	3.4	7.8	12.5	4.4	4.2	3.6	15.4	4.1	8.0	2.1	1.4	1.8
7-----	3.7	7.0	10.6	4.3	4.0	3.7	12.8	6.1	5.5	2.2	1.4	2.5
8-----	4.2	5.9	9.2	4.3	3.9	4.5	9.9	8.8	4.3	2.4	1.2	5.7
9-----	5.3	5.3	8.5	4.3	3.9	4.9	8.8	9.7	3.3	2.5	1.4	6.6
10-----	6.8	4.9	7.8	4.0	4.3	5.7	9.2	11.6	3.0	2.9	1.9	6.5
11-----	6.3	4.9	7.4	3.8	5.3	8.1	9.3	9.3	4.1	3.7	1.7	6.0
12-----	6.2	5.6	7.4	3.7	5.3	7.5	8.4	7.3	4.9	4.0	1.5	5.6
13-----	5.4	6.6	8.4	4.1	9.6	8.0	8.0	5.5	4.1	3.9	1.4	4.6
14-----	4.6	7.7	8.7	5.9	8.4	7.8	8.1	4.6	3.6	3.8	1.2	3.3
15-----	4.2	7.3	8.1	5.7	5.8	7.1	6.7	5.3	3.2	3.1	1.1	3.0
16-----	4.0	6.3	7.4	5.0	5.1	7.6	5.6	4.6	3.1	2.5	1.0	2.5
17-----	3.8	5.5	6.7	7.8	4.8	8.7	5.1	3.5	3.0	2.0	1.5	2.5
18-----	3.6	6.2	6.3	26.4	4.4	7.8	5.2	3.4	2.5	1.8	1.3	2.1
19-----	3.7	12.2	6.0	27.6	4.1	6.4	6.3	3.3	1.9	1.6	1.6	2.9
20-----	3.6	15.0	5.8	23.0	4.1	5.6	10.6	3.6	1.5	1.7	2.1	2.9
21-----	3.7	14.8	5.7	15.7	4.3	4.8	9.5	3.9	1.6	1.4	2.1	2.9
22-----	4.3	13.8	5.7	11.1	4.0	4.4	7.2	3.6	2.0	1.3	1.6	2.8
23-----	4.7	13.8	5.7	8.7	5.7	4.9	5.6	3.2	1.5	1.2	1.8	2.0
24-----	6.0	13.7	5.5	7.5	8.3	6.7	5.6	3.3	1.4	1.0	2.0	2.6
25-----	6.0	14.2	5.4	6.8	9.7	6.6	6.1	2.7	1.7	.9	1.6	2.0
26-----	6.0	16.9	5.2	6.4	11.0	6.1	6.0	2.5	1.6	.9	1.5	1.9
27-----	6.0	14.6	5.1	6.1	15.1	5.2	6.6	2.3	1.4	1.1	1.2	2.7
28-----	5.8	12.0	5.1	5.6	14.1	5.0	5.6	2.2	1.4	1.3	1.4	2.7
29-----	8.3	-----	4.9	5.6	10.4	4.7	5.0	2.1	1.5	1.4	1.9	2.6
30-----	13.0	-----	4.9	5.5	8.1	4.3	4.4	1.8	1.4	1.3	1.9	2.8
31-----	12.0	-----	4.8	-----	6.2	-----	3.9	2.0	-----	1.2	-----	3.5

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Chattahoochee River at Alaga, Ala.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	4.0	3.4	3.9	6.5	4.6	2.2	2.1	1.4	0.9	0.4	3.0	2.9
2	4.4	3.3	3.7	5.4	4.8	2.0	1.9	1.1	.8	.5	2.3	3.0
3	4.7	3.3	3.5	4.4	5.4	1.8	1.8	2.5	.8	.1	1.5	2.6
4	11.9	3.3	3.4	3.9	6.9	1.7	1.7	8.1	.7	— .4	1.8	2.8
5	18.2	3.0	3.3	3.7	5.7	1.7	1.8	10.1	1.1	— .1	1.6	2.4
6	18.5	3.0	3.3	5.5	4.9	1.6	2.0	6.8	1.3	.2	1.6	2.1
7	16.1	3.1	3.3	8.2	4.4	1.8	2.3	5.5	2.4	.1	1.2	2.1
8	13.2	3.6	3.4	12.8	4.0	1.8	3.0	4.5	2.8	— .3	1.4	2.1
9	9.8	4.6	3.1	13.7	3.6	1.4	2.8	5.3	2.5	— .6	2.1	2.0
10	7.4	5.2	3.2	15.3	3.6	1.2	2.7	4.2	2.4	— .6	3.2	1.7
11	6.8	4.6	3.1	15.0	3.3	1.2	2.5	3.5	1.6	— .5	7.6	1.7
12	5.9	5.6	3.1	16.2	3.2	1.3	3.4	2.9	1.4	.1	10.8	1.5
13	5.5	7.6	2.9	14.9	2.9	1.1	3.3	2.4	1.5	1.2	9.4	1.6
14	5.1	10.1	3.4	12.3	2.7	1.1	2.9	2.3	1.4	.0	8.2	1.9
15	4.8	10.5	7.0	10.3	2.5	1.4	5.1	2.2	1.2	.2	5.8	1.9
16	4.5	8.2	3.0	9.0	— .2	1.1	6.2	2.2	1.0	3.5	3.9	2.9
17	4.4	6.8	2.8	8.7	2.6	.7	7.0	2.6	.9	2.3	3.0	2.9
18	4.3	6.1	2.7	8.0	2.6	.7	6.8	1.8	.6	2.2	3.0	2.6
19	4.0	5.3	2.5	7.4	2.5	.7	8.4	2.0	.2	1.9	2.8	2.3
20	3.8	4.8	2.6	7.1	2.5	.8	8.8	3.8	— .3	2.0	2.3	1.9
21	3.6	5.4	2.5	7.5	2.5	.8	8.9	4.7	.6	2.2	2.2	4.6
22	3.8	5.6	2.8	8.1	2.4	1.1	7.4	3.6	1.3	4.6	2.4	7.7
23	3.7	6.0	3.2	7.6	2.5	2.0	5.7	2.6	1.8	5.4	2.6	20.3
24	3.5	5.2	3.2	6.0	3.9	3.5	4.8	2.0	1.5	3.6	2.2	25.0
25	3.5	4.8	3.3	5.7	4.7	3.0	4.7	1.4	1.3	3.1	2.0	22.1
26	3.7	4.5	3.5	5.1	5.9	2.2	3.9	1.0	.7	1.7	2.3	20.1
27	3.6	4.2	6.7	4.6	5.0	1.6	3.1	.9	.2	1.3	1.6	17.3
28	3.5	3.9	6.6	4.4	4.1	1.7	2.3	.9	.4	1.4	1.9	13.7
29	3.4	—	11.1	4.4	3.5	2.3	2.3	.8	.7	1.5	3.1	11.9
30	3.2	—	8.9	4.6	2.0	2.3	2.1	.4	.4	3.4	4.4	11.0
31	3.2	—	7.1	—	2.7	—	1.8	.5	—	2.3	—	9.7
1912												
1	11.9	29.7	17.6	25.6	16.5	7.6	11.2	5.0	5.1	6.8	3.6	4.1
2	16.9	28.6	15.5	23.0	16.9	10.1	9.3	5.2	4.3	6.7	4.0	4.5
3	15.9	23.3	13.1	21.2	14.9	9.8	9.6	6.1	3.3	6.2	4.3	4.3
4	15.5	16.1	12.0	16.9	14.2	8.3	10.4	10.0	3.9	5.5	4.3	4.4
5	15.9	12.2	12.1	13.6	16.4	8.4	10.7	9.9	4.6	5.3	3.3	4.9
6	13.9	10.4	14.2	12.5	14.7	8.1	9.9	7.3	4.1	5.0	4.0	5.8
7	11.3	9.3	19.8	11.8	15.9	9.2	9.7	7.7	3.6	9.0	9.0	7.5
8	10.3	8.5	20.5	11.2	16.2	13.3	9.8	6.8	3.8	9.2	12.4	8.6
9	21.3	8.1	18.6	10.9	15.2	12.7	10.7	8.1	3.8	8.6	9.9	7.5
10	25.3	7.9	16.0	10.7	15.0	11.9	12.7	12.0	3.2	6.4	7.7	6.6
11	22.8	7.7	14.9	10.8	13.8	10.4	12.4	11.9	3.4	5.3	6.9	6.5
12	18.7	7.3	14.3	10.8	12.2	8.8	12.3	11.9	4.0	4.8	6.2	5.8
13	14.8	8.2	19.9	10.9	12.2	7.6	11.5	13.7	4.2	4.2	5.9	5.6
14	12.7	8.9	20.3	11.2	11.4	7.4	11.8	12.6	4.1	4.4	4.6	5.6
15	11.3	8.8	18.6	10.9	10.9	7.1	13.3	9.7	4.2	9.4	5.3	5.4
16	10.0	10.7	31.1	10.5	10.2	18.6	12.4	7.5	4.7	9.2	4.5	4.8
17	9.3	11.3	36.0	10.9	9.5	24.4	10.7	6.7	4.4	7.1	4.0	4.6
18	8.6	16.1	37.7	21.8	8.9	24.5	11.7	6.8	4.0	5.7	3.8	4.8
19	8.3	15.1	38.1	30.2	9.0	21.2	16.6	8.5	5.1	5.6	3.3	5.1
20	8.3	14.3	37.1	30.4	8.5	14.4	12.3	7.9	6.9	9.1	2.9	4.7
21	8.9	12.1	34.3	32.7	8.0	10.5	10.7	8.0	6.0	8.8	3.6	4.4
22	8.9	15.9	25.7	37.5	8.3	8.5	9.7	8.5	5.0	9.2	3.8	4.8
23	8.5	19.4	16.7	38.9	7.6	7.6	8.5	7.7	5.5	8.9	3.8	4.9
24	7.8	20.1	14.4	38.5	7.7	6.9	8.1	8.2	6.0	9.1	3.9	8.5
25	7.2	22.1	16.3	36.9	7.2	7.1	7.3	7.7	8.4	8.7	4.0	16.7
26	6.9	25.5	21.5	32.2	7.7	10.1	6.9	7.0	8.0	6.8	3.7	15.9
27	6.8	24.4	21.6	26.3	6.9	11.0	6.7	7.7	7.2	5.5	3.4	13.0
28	6.6	21.2	18.2	18.9	6.5	17.4	7.0	7.6	8.5	4.9	4.0	11.8
29	6.3	18.8	15.8	15.6	7.1	17.8	6.3	7.2	7.2	6.4	4.2	10.2
30	10.0	—	18.7	15.1	7.1	14.2	5.9	5.8	6.7	4.5	3.6	9.5
31	25.0	—	24.4	—	7.5	—	5.5	5.5	—	4.4	—	8.5

SOQUE RIVER NEAR DEMOREST, GA.

Location.—At Cannon Bridge, $2\frac{1}{2}$ miles from Demorest, about 4 miles above the mouth of the river and $1\frac{1}{2}$ miles below the mouth of Hazel Creek.

Drainage Area.—158 square miles.

Records Available.—July 16, 1904, to June 30, 1909.

Gage.—Vertical staff gage, attached to the bridge from which discharge measurements are made.

Channel and Control.—Conditions of flow at this point are permanent, and a good rating has been developed for low and medium stages.

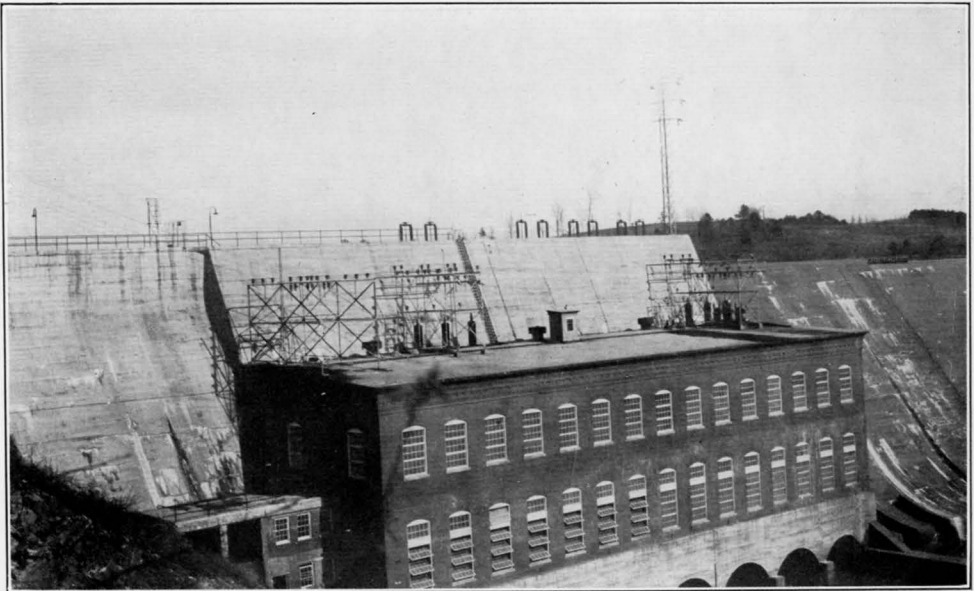
Regulation.—Artificial control of flow caused by a power plant above has probably affected the records to some extent, but it is difficult to say how much or in which direction. The error thus introduced is not thought to be great.

Discharge measurements of Soque River near Demorest.

Date	Gage height.	Discharge.
	Feet.	Sec.-ft.
1907		
January 1.....	3.53	791
March 5.....	2.58	448
May 8.....	2.30	328
June 15.....	2.00	242
July 15.....	2.51	379
July 15.....	2.51	460
November 8.....	1.64	155
1908		
May 20.....	2.60	452
1909		
June 12.....	2.90	525



DAM, MITCHELL'S BRIDGE, ATHENS RAILWAY & ELECTRIC COMPANY, OCONEE RIVER NEAR ATHENS, GEORGIA.



POWER PLANT AND DAM, CENTRAL GEORGIA POWER COMPANY, OCMULGEE RIVER NEAR JACKSON, GEORGIA.

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet of Soque River near Demorest, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	3.4	3.35	2.75	2.3	2.35	2.85	2.0	2.1	1.65	1.9	1.7	2.0
2	3.25	3.8	3.8	2.25	2.35	2.7	2.25	2.0	1.6	1.9	1.8	2.0
3	3.15	2.55	3.0	2.25	2.4	2.45	3.0	2.0	1.6	1.9	1.9	2.0
4	2.9	3.45	2.9	2.2	3.8	2.3	6.2	1.95	3.05	1.95	2.0	2.0
5	2.8	2.9	2.65	2.25	2.45	2.3	2.95	1.9	2.2	2.0	1.9	2.1
6	2.7	2.55	2.5	2.35	2.4	2.2	2.6	1.95	3.45	1.9	1.9	2.05
7	2.75	2.5	2.55	2.3	2.3	2.2	2.2	1.9	2.1	1.8	1.85	2.0
8	2.65	2.45	2.4	2.25	2.35	2.25	2.1	1.8	1.8	2.15	1.8	1.9
9	2.6	2.45	2.35	2.2	2.3	2.3	2.05	1.75	1.75	2.0	1.8	2.8
10	2.55	2.4	2.4	2.25	2.35	2.25	2.3	1.75	1.75	1.9	2.95	2.05
11	2.5	2.45	2.4	2.35	2.4	2.2	2.15	1.75	1.8	1.8	2.55	2.0
12	2.55	2.4	2.35	2.3	2.35	2.2	2.1	1.8	1.75	1.8	2.75	2.0
13	2.4	2.4	2.35	2.25	2.3	2.1	3.05	1.85	1.7	1.75	2.6	2.05
14	2.3	2.35	2.35	2.2	2.3	2.1	2.4	1.85	1.7	1.7	2.35	3.25
15	2.25	2.35	2.5	2.2	2.4	2.05	2.85	2.0	1.65	1.7	2.2	2.45
16	2.2	2.35	2.4	2.2	2.3	2.05	2.6	1.9	1.65	1.7	2.2	2.3
17	2.2	2.3	2.3	2.2	2.3	2.0	2.7	1.8	1.6	1.7	2.1	2.25
18	2.2	2.25	2.25	2.35	2.25	2.0	2.9	2.0	1.6	1.7	2.15	2.3
19	2.2	2.25	2.25	3.05	2.15	2.15	2.4	1.85	1.6	1.7	2.2	2.1
20	2.65	2.25	2.2	2.8	2.15	2.05	2.25	1.8	1.6	1.7	2.35	2.1
21	2.35	2.25	2.2	2.7	2.1	2.0	2.05	1.8	1.55	1.65	3.25	2.1
22	2.3	2.2	2.2	3.8	2.1	2.0	2.0	1.8	1.55	1.65	2.65	2.0
23	2.25	2.2	2.2	4.0	2.15	2.0	2.0	1.85	4.1	1.6	3.4	5.8
24	2.2	2.2	2.2	3.05	2.2	2.0	2.0	1.95	2.8	1.6	5.2	3.1
25	2.2	2.35	2.2	2.7	2.25	2.0	1.9	1.8	2.0	1.6	3.45	2.8
26	2.25	2.85	2.2	2.45	2.6	2.0	1.85	1.8	1.9	1.65	2.35	2.2
27	2.35	2.65	2.2	2.3	2.55	2.0	1.85	1.75	1.95	1.75	2.2	2.15
28	2.25	2.6	2.2	2.45	2.4	2.1	2.0	1.75	2.0	1.7	2.15	2.25
29	2.2	---	2.2	2.4	2.35	2.4	3.95	1.7	1.95	1.7	2.2	2.75
30	2.3	---	2.2	2.35	2.3	2.1	2.8	1.7	1.9	1.7	2.1	6.3
31	2.6	---	2.25	---	2.5	---	2.4	1.7	---	1.65	---	8.55
1908												
1	2.85	2.5	2.6	1.65	2.7	2.3	2.35	1.95	1.9	1.7	2.2	2.2
2	2.5	2.65	2.45	1.65	2.7	2.25	2.35	1.95	1.9	1.7	2.2	2.35
3	2.5	2.55	2.4	1.6	2.65	2.25	2.7	2.2	1.95	1.7	2.1	2.15
4	2.45	2.4	2.4	1.6	2.65	2.3	2.8	2.0	2.0	1.7	3.0	2.05
5	3.7	2.35	2.4	1.7	2.6	2.45	3.4	2.0	2.0	1.7	2.75	2.0
6	2.5	2.35	2.4	2.85	2.85	2.6	2.9	2.6	5.0	1.7	2.4	2.0
7	2.6	2.3	2.35	2.7	4.7	2.5	2.45	2.8	3.2	1.7	2.25	8.1
8	2.5	2.3	2.35	1.95	2.9	2.45	2.35	2.25	2.4	1.75	2.05	5.05
9	2.45	2.25	2.4	1.75	2.75	2.45	2.65	2.0	2.35	1.8	1.95	3.15
10	2.45	2.8	2.5	1.65	2.65	2.6	2.4	1.9	2.2	2.0	1.9	2.6
11	6.1	5.0	2.95	1.6	2.65	2.5	2.4	1.85	2.15	1.9	1.9	2.5
12	4.4	4.1	2.8	1.8	2.6	2.65	2.4	1.85	2.15	1.85	1.9	2.6
13	3.2	3.8	2.7	2.0	2.6	2.8	2.45	1.8	2.0	1.85	2.0	2.55
14	2.85	3.4	2.6	4.1	2.6	2.5	3.0	1.8	1.9	1.8	2.1	2.5
15	2.8	9.2	2.6	3.0	2.6	3.9	2.55	1.8	1.85	1.75	1.95	2.5
16	2.65	3.8	2.55	2.8	2.7	2.8	2.3	1.8	1.85	1.75	1.9	2.45
17	2.5	3.4	2.55	3.1	2.7	2.4	2.15	2.0	1.8	1.7	1.9	2.45
18	2.5	3.0	2.65	2.85	2.7	2.35	2.1	---	1.8	1.75	1.85	2.2
19	2.5	3.2	2.5	2.9	3.0	2.35	2.1	4.4	1.8	1.7	1.85	2.05
20	2.6	2.95	3.4	2.8	2.85	2.35	2.05	---	1.8	1.7	1.85	2.05
21	2.55	2.85	3.7	2.7	2.75	3.0	2.0	---	1.8	1.7	1.8	2.8
22	2.5	2.8	2.75	2.65	2.7	2.9	2.0	3.2	1.75	1.75	1.8	6.1
23	2.4	2.7	5.8	2.5	2.7	2.4	2.0	2.25	1.75	3.6	1.8	3.0
24	2.35	2.65	9.0	2.5	2.65	2.35	2.1	3.15	1.7	3.65	1.85	2.55
25	2.25	2.7	4.0	11.75	2.6	2.3	2.0	2.45	1.7	2.25	1.85	2.45
26	2.3	2.7	3.0	4.1	2.6	2.3	2.05	2.2	1.75	2.0	1.85	2.4
27	2.4	2.65	2.85	3.7	2.55	2.3	2.1	2.15	1.8	2.0	1.8	2.35
28	2.25	2.65	2.7	3.4	2.5	2.3	2.1	2.0	1.75	2.15	1.8	2.35
29	2.2	2.6	2.7	3.35	2.5	2.3	2.3	1.9	1.7	3.5	1.85	2.35
30	2.2	---	2.7	2.9	2.65	2.3	2.05	1.9	1.7	2.35	1.85	2.35
31	2.3	---	1.65	---	2.4	---	1.95	1.9	---	2.2	---	2.85

WATER POWERS OF GEORGIA

Rating table for Soque River near Demorest, Ga., for 1906, 1907, and 1908.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.50	133	2.90	531	4.30	1,150	6.40	2,520
1.60	151	3.00	568	4.40	1,200	6.60	2,680
1.70	171	3.10	606	4.50	1,255	6.80	2,840
1.80	193	3.20	645	4.60	1,310	7.00	3,000
1.90	217	3.30	685	4.70	1,365	7.20	3,170
2.00	243	3.40	725	4.80	1,420	7.40	3,340
2.10	271	3.50	770	4.90	1,480	7.60	3,520
2.20	300	3.60	815	5.00	1,540	7.80	3,700
2.30	330	3.70	860	5.20	1,625	8.00	3,880
2.40	361	3.80	905	5.40	1,795	9.00	4,780
2.50	393	3.90	950	5.60	1,930	10.00	5,680
2.60	426	4.00	1,000	5.80	2,070	11.00	6,580
2.70	460	4.10	1,050	6.00	2,220	12.00	7,480
2.80	495	4.20	1,100	6.20	2,370		

NOTE.—The above table is based on 29 discharge measurements made during 1904 to 1908, and is well defined below gage height 6 feet.

Daily discharge, in second-feet, of Soque River near Demorest, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	Day	Jan.	Feb.	Mar.	Apr.	May	June
1909							1909						
1-----	393	361	426	460	4,780	460	16-----	685	443	905	460	426	2,000
2-----	361	346	460	443	725	460	17-----	950	443	568	460	393	725
3-----	300	346	443	426	568	815	18-----	513	426	568	443	377	645
4-----	495	346	443	426	531	2,370	19-----	443	550	531	443	393	531
5-----	2,220	361	426	443	513	3,170	20-----	393	460	513	443	3,000	495
6-----	478	568	495	443	495	568	21-----	393	495	568	426	4,240	606
7-----	393	645	478	460	495	495	22-----	393	1,930	568	426	2,680	645
8-----	377	1,200	460	495	495	393	23-----	410	905	568	568	1,050	645
9-----	393	1,420	478	513	495	377	24-----	393	1,100	531	494	531	645
10-----	377	770	1,660	478	685	361	25-----	393	568	1,150	495	513	1,200
11-----	377	550	550	460	550	377	26-----	393	460	1,050	478	568	950
12-----	377	513	495	460	495	361	27-----	377	443	568	478	531	606
13-----	393	1,000	3,520	568	495	495	28-----	377	443	1,540	460	495	1,360
14-----	460	495	2,140	550	478	1,360	29-----	377		645	460	460	645
15-----	568	478	1,100	495	478	1,100	30-----	361		531	460	568	645
							31-----	361		513		495	

NOTE.—These discharges are based on a rating curve that is well defined below 2,220 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Soque River near Demorest, Ga.

[Drainage area, 158 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area.)	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	725	300	398	2.52	2.90	
February	905	300	413	2.61	2.72	
March	905	300	372	2.35	2.71	
April	1,000	300	400	2.53	2.82	
May	905	271	356	2.25	2.59	
June	513	243	295	1.87	2.09	
July	2,370	205	433	2.74	3.16	
August	271	171	206	1.30	1.50	
September	1,050	142	259	1.64	1.83	
October	286	151	188	1.19	1.37	
November	2,370	171	411	2.60	2.90	
December	2,440	217	462	2.92	3.37	
The year	2,440	142	349	2.21	29.96	
1908						
January	2,300	300	499	3.16	3.64	
February	4,960	315	706	4.47	4.82	
March	4,780	161	653	4.13	4.76	
April	7,260	151	667	4.22	4.71	
May	1,360	361	479	3.03	3.49	
June	950	315	401	2.54	2.83	
July	725	230	348	2.20	2.54	
August	1,200	193	373	2.36	2.72	
September	1,540	171	278	1.76	1.96	
October	838	171	265	1.68	1.94	
November	568	193	250	1.58	1.76	
December	3,970	243	589	3.73	4.30	
The year	7,260	151	459	2.90	39.47	
1909						
January	2,220	300	489	3.09	3.56	B.
February	1,930	346	645	4.08	4.25	B.
March	3,520	426	803	5.08	5.86	B.
April	568	426	470	2.97	3.31	B.
May	4,780	377	935	5.92	6.82	B.
June	3,170	361	850	5.38	6.00	B.

WATER POWERS OF GEORGIA

SWEETWATER CREEK NEAR AUSTELL, GA.

Location.—About $1\frac{1}{4}$ miles from Austell, Ga.; a quarter of a mile south of Lithia Springs Park; about $1\frac{1}{2}$ miles downstream from Southern Railway bridge; 2 miles below Noses Creek; and 6 miles above junction of Sweetwater Creek with Chattahoochee River.

Drainage Area.—245 square miles.

Records Available.—May 6, 1904, to December 31, 1905; and November 3, to December 27, 1913.

Gage.—Staff gage in two sections; lower section, inclined, reading to 8 feet, is fastened to solid rock on right bank; upper section, reading 8 to 16 feet, fastened vertically to a tree on right bank about 100 feet upstream. Gage read twice daily.

Discharge Measurements.—Made at Southern Railway bridge, Stricklands bridge, or by boat or wading near gage.

Channel and Control.—A rocky shoal more than a mile below the gage is the apparent control. The bottom between the gage and control is composed of silt which shifts and probably changes the discharge relation.

Regulation.—Small water-power plants above cause considerable diurnal fluctuation during low stages.

Discharge measurements of Sweetwater Creek near Austell, Ga.

1913	Gage height.	Discharge.
1913	Feet.	Sec.-ft.
October 28	1.95	122
November 4	1.58	80
November 11	1.65	89

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Sweetwater Creek, near Austell, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1904												
1						270	110	80	110	45	45	90
2						167	76	87	94	35	52	87
3						110	67	440	87	52	48	102
4						87	64	210	222	37	87	106
5						80	61	344	182	52	102	167
6						80	55	336	124	39	94	305
7						114	52	147	94	48	73	177
8						94	70	3,560	90	45	70	142
9						76	70	5,760	87	35	64	124
10						67	58	3,310	76	45	64	124
11						61	55	568	73	45	64	137
12						61	52	985	67	43	67	119
13						55	58	420	64	45	90	106
14						50	45	277	64	48	128	98
15						50	50	252	70	43	98	98
16						58	52	470	55	32	76	102
17						50	32	246	45	50	73	106
18					80	50	50	277	61	37	70	98
19					80	50	39	157	61	37	76	102
20					76	110	39	114	52	43	73	90
21					76	199	39	132	55	37	76	90
22					70	284	45	119	55	39	102	87
23					67	132	58	114	50	33	157	94
24					67	94	37	182	58	50	119	90
25					64	67	52	371	50	45	98	90
26					58	58	50	720	52	45	87	90
27					61	61	45	1,320	43	43	76	98
28					61	157	64	880	55	43	87	277
29					58	750	167	234	52	45	80	252
30					67	204	137	152	48	30	80	246
31					172		90	128		48		167
1905												
1	128	222	234	152	194	98	362	102	106	1,340	106	124
2	124	177	222	152	152	94	298	90	114	690	94	162
3	128	162	222	152	162	87	172	90	128	199	84	2,410
4	124	172	199	147	172	87	137	90	258	162	98	4,060
5	119	162	199	172	152	90	750	80	188	152	98	1,140
6	258	167	199	210	162	84	480	73	172	124	98	362
7	199	172	199	199	128	70	1,260	94	90	106	98	298
8	194	440	199	194	132	76	3,410	76	84	94	102	810
9	172	1,340	204	199	157	64	1,910	102	84	87	102	2,710
10	147	2,710	270	182	128	64	2,010	234	87	90	177	3,410
11	199	1,910	362	177	114	52	2,210	270	55	157	270	2,810
12	3,210	880	380	177	98	50	5,690	505	90	152	222	1,020
13	4,810	1,060	298	167	90	58	2,960	1,740	90	137	167	362
14	3,310	1,180	246	157	90	76	605	440	94	119	137	270
15	505	1,020	222	172	94	84	270	344	70	114	128	284
16	270	880	210	199	204	84	210	440	70	119	119	284
17	284	750	199	172	362	76	182	344	76	128	114	298
18	222	660	194	167	188	70	147	328	87	73	114	284
19	222	630	188	157	124	80	142	298	80	102	114	298
20	246	1,100	204	157	110	114	147	199	73	94	119	630
21	222	1,300	312	147	106	73	128	182	70	98	114	1,020
22	199	1,220	312	137	162	94	128	204	64	90	124	915
23	162	720	234	137	210	147	106	344	64	90	110	780
24	157	440	204	137	605	188	98	810	73	90	114	630
25	137	312	172	132	460	167	152	1,060	73	106	128	555
26	128	270	167	137	258	128	157	380	70	157	167	440
27	142	246	167	137	188	204	110	199	67	157	182	362
28	137	246	162	128	157	222	98	124	58	137	177	298
29	142		157	167	147	298	110	110	58	119	142	298
30	157		167	177	147	188	132	94	90	102	124	270
31	246		157		119		102	94		98		270

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Sweetwater Sreek, near Austell, Ga.
—Continued

Day	Nov.	Dec.	Day	Nov.	Dec.	Day	Nov.	Dec.
1913			1913			1913		
1		188	11	98	102	21	84	94
2		312	12	94	102	22	87	102
3	102	119	13	94	94	23	87	102
4	98	137	14	94	94	24	90	110
5	94	128	15	94	102	25	84	110
6	94	119	16	87	102	26	84	222
7	94	110	17	87	102	27	84	199
8	94	110	18	94	102	28	90	
9	102	110	19	94	102	29	98	
10	110	110	20	84	94	30	102	
						31		

NOTE.—Daily discharge determined from a rating curve fairly well defined between 50 and 2,000 second-feet; discharge Dec. 5 and 6, 1913, interpolated. Determinations for individual days subject to error, owing to regulation of the stream by the operation of power plants, and should be used with caution.

Monthly discharge of Sweetwater Creek near Austell, Ga.

[Drainage area, 245 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1904						
May 18-31	172	58	75.5	0.308	0.16	C.
June	750	50	125	.510	.57	B.
July	167	32	62.5	.255	.29	C.
August	5,760	80	722	2.95	3.40	B.
September	222	43	76.5	.312	.35	C.
October	52	30	42.4	.173	.20	C.
November	157	45	82.5	.337	.38	B.
December	305	87	131	.535	.62	B.
1905						
January	4,810	119	539	2.20	2.54	B.
February	2,710	162	734	3.00	3.12	B.
March	380	157	221	.902	1.04	B.
April	210	128	163	.665	.74	B.
May	605	90	180	.735	.85	B.
June	298	50	109	.445	.50	B.
July	5,960	98	805	3.29	3.79	B.
August	1,740	73	308	1.26	1.45	B.
September	258	55	92.8	.379	.42	B.
October	1,340	73	177	.722	.83	B.
November	270	84	131	.535	.60	B.
December	4,060	124	899	3.67	4.23	B.
The year	5,960	50	363	1.48	20.11	
1913						
November 3-30	110	84	92.4	.377	.39	B.
December 1-27	312	94	125	.510	.51	B.

FLINT RIVER NEAR WOODBURY, GA.

Location.—At the Macon & Birmingham Railroad bridge one fourth mile downstream from mouth of Elkins Creek, one-third mile upstream from mouth of Cane Creek, and 3 miles east of Woodbury.

Drainage Area.—1,090 square miles.

Records Available.—March 29, 1900, to September 30, 1920.

Gage.—Vertical staff in four sections on left bank about 300 feet above railroad bridge; read to tenths twice daily. Datum of gage, 660 feet above sea level.

Discharge Measurements.—Made from downstream side of railroad bridge, which does not make a right angle with the current.

Channel and Control.—Bottom consists chiefly of rock; rough; current irregular. Control formed by a shoal a mile downstream; somewhat shifting.

Regulation.—Some slight diurnal fluctuations caused by operation of small mills on tributary streams.

Discharge measurements of Flint River near Woodbury, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907			1913		
March 28.....	Feet. 0.77	Sec.-ft. 731	March 16.....	Feet. 11.62	Sec.-ft. 22,100
November 9.....	.12	278	March 17.....	8.84	14,100
November 28.....	1.45	1,310	March 18.....	8.08	1,300
1909			1914		
April 5.....	1.42	1,150	March 13.....	2.00	1,810
June 30.....	2.28	2,290	March 14.....	1.81	1,520
October 26.....	.62	434	June 23.....	0.39	402
1910			1918		
May 25.....	1.18	955	February 27.....	1.18	1,030
May 25.....	1.18	931	March 26.....	0.78	680
1911			May 2.....	2.95	3,100
September 16.....	0.00	203	May 24.....	0.65	566
1912			July 16.....	-0.05	232
August 24.....	0.93	650	December 27.....	2.97	3,170
			1919		
			May 28.....	0.78	674
			September 20.....	0.43	341

Daily gage height, in feet, of Flint River near Woodbury, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	2.5	1.7	2.5	0.75	2.3	1.25	1.2	0.85	0.1	0.4	0.05	1.65
2	2.4	2.8	2.9	.80	1.65	1.15	1.45	.7	.0	.4	.1	1.35
3	2.1	4.5	3.5	.75	1.45	.95	3.2	3.9	.0	.3	.15	1.15
4	1.8	4.6	4.0	.7	2.0	.8	2.3	2.3	.15	.2	.1	1.0
5	1.6	4.4	3.4	.7	1.65	.7	1.0	1.2	.55	.2	.1	.9
6	1.4	4.7	2.55	1.15	1.35	.85	.8	.85	.25	.1	.1	.8
7	1.2	5.0	1.9	1.05	1.35	.55	.55	1.25	.2	.1	.1	.8
8	1.1	3.7	1.55	1.15	1.55	.5	.45	.9	.15	.15	.1	.7
9	1.0	2.7	1.35	1.15	1.65	.45	.5	.65	.45	.2	.1	1.05
10	1.0	2.0	1.3	1.0	1.5	.4	1.05	.5	.6	.25	.3	1.9
11	1.0	1.7	1.2	.85	1.35	.4	.65	.4	.6	.25	.65	1.85
12	1.0	1.5	1.15	.8	1.25	.35	.65	.6	.45	.2	.8	1.65
13	1.0	1.3	1.1	.7	1.1	.35	.5	2.65	.35	.1	.7	1.7
14	.9	1.2	1.1	.6	1.0	.7	.45	2.85	.3	.05	.6	2.0
15	.9	1.3	1.55	.6	2.8	.7	1.0	1.5	.2	.0	.4	3.1
16	.9	1.1	1.6	.6	2.65	.55	2.05	3.3	.2	.0	.3	2.75
17	.9	1.1	1.65	.9	2.5	.45	1.15	2.8	.3	.0	.3	2.2
18	.8	1.0	1.35	3.2	1.9	.4	1.1	2.7	.1	.05	.4	1.75
19	.8	1.0	1.2	2.95	1.35	.35	.8	1.85	.05	.0	.75	1.55
20	.9	1.1	1.1	2.5	1.05	.3	.55	1.4	.0	.0	.8	1.35
21	1.1	1.1	1.0	1.8	.9	.25	.6	1.05	.0	.0	1.45	1.2
22	1.0	1.0	1.0	2.25	.8	.2	.55	1.0	.0	.0	2.3	1.2
23	.9	1.0	.95	4.0	.75	.2	.25	.8	1.4	.0	3.2	5.5
24	.8	.9	.85	3.8	.7	.6	.2	.55	1.55	.0	3.6	5.7
25	.8	1.2	.80	3.2	.75	1.0	.35	.4	.95	.0	3.1	5.1
26	.9	1.4	.80	2.45	.8	.9	.5	.35	.8	.0	2.6	4.0
27	1.0	1.8	.75	2.0	1.25	.6	1.7	.25	.45	.0	1.9	2.8
28	.9	2.0	.7	1.65	1.0	2.7	2.0	.2	.35	.0	1.45	2.35
29	.8		.7	3.6	.8	4.2	1.7	.2	.6	.1	1.95	2.45
30	.8		.7	3.8	.7	2.3	2.4	.1	.5	.1	2.05	4.0
31	1.2		.7		.8		2.0	.1		.05		4.8
1908												
1	3.8	6.1	1.7	1.65	2.6	1.05	.2	.5	.55	.35	1.05	.9
2	3.2	7.1	1.6	1.5	2.1	.8	.25	.35	.45	.3	.9	1.2
3	2.4	6.3	1.55	1.4	1.7	.8	1.2	.3	.4	.25	.95	1.15
4	2.05	4.6	1.7	1.35	1.5	.7	1.3	.2	.4	.2	1.15	1.1
5	2.4	3.3	1.7	1.25	1.4	1.5	1.0	1.1	1.4	.2	1.55	.95
6	2.6	2.6	1.65	1.5	1.45	1.25	2.3	1.05	2.9	.2	1.6	.95
7	3.7	2.25	1.55	1.45	1.5	.95	2.2	1.1	2.6	.2	1.45	1.05
8	4.2	2.05	1.5	1.3	1.65	.7	2.7	.65	2.2	.4	1.15	1.35
9	3.5	1.85	1.4	1.25	1.6	.6	2.0	.8	1.55	1.15	.95	1.4
10	2.9	2.7	1.35	1.15	1.35	.6	2.15	.45	1.15	1.25	.9	1.35
11	3.1	4.6	1.3	1.1	1.2	.7	1.65	.4	.75	1.05	.8	1.15
12	3.6	4.8	1.3	1.0	1.1	.65	1.7	.35	.6	.95	.8	1.2
13	3.2	4.4	1.3	.9	1.0	.7	2.0	.25	.5	.85	.8	1.2
14	2.8	3.6	1.3	.9	.9	.65	1.15	.15	.5	.65	.95	1.1
15	2.25	5.8	1.3	1.5	.9	.65	.7	.1	.4	.6	1.15	1.05
16	2.0	6.1	1.2	2.3	.9	.55	.65	.1	.35	.5	1.1	1.0
17	1.85	5.6	1.2	2.3	.9	.5	.55	.05	.35	.5	1.0	.95
18	1.7	4.6	1.2	2.0	1.25	.55	.45	.15	.4	.5	.95	.9
19	1.55	4.2	1.1	1.65	1.65	.85	.4	.45	.3	.4	.9	.9
20	1.5	3.7	1.1	1.55	1.65	1.0	.5	.3	.4	.45	.85	.9
21	1.4	3.2	1.1	1.45	1.45	1.15	.55	.3	.45	.5	.8	1.0
22	1.45	2.7	1.15	1.45	1.15	1.4	.45	.55	.5	.5	.8	3.6
23	1.5	2.3	3.0	2.35	.95	1.45	.35	1.95	.6	.5	.8	5.8
24	1.35	2.1	6.8	2.35	.85	1.05	.35	1.2	.6	.5	.8	5.8
25	1.2	1.9	6.4	3.85	1.05	1.65	.35	3.0	.6	.5	.8	4.8
26	1.2	2.05	5.2	4.8	1.25	.55	.6	5.2	.5	.5	.8	3.3
27	1.35	2.05	3.1	9.2	1.55	.45	.5	5.4	.4	.5	.8	2.3
28	1.8	1.95	3.0	8.0	1.4	.35	.4	3.6	.45	.85	.75	1.75
29	1.6	1.85	2.4	5.5	1.05	.3	.3	2.1	.5	1.55	.7	1.4
30	1.35		1.95	3.6	1.45	.3	.3	1.25	.4	1.45	.7	1.5
31	1.45		1.75		1.65		.4	.75		1.25		1.9

GEOLOGICAL SURVEY OF GEORGIA

Rating table for Flint River near Woodbury for 1907 and 1908.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.00	225	1.30	1,220	2.60	2,720	4.80	6,160
.10	270	1.40	1,320	2.70	2,860	5.00	6,520
.20	320	1.50	1,420	2.80	3,000	5.20	6,880
.30	380	1.60	1,520	2.90	3,140	5.40	7,260
.40	450	1.70	1,630	3.00	3,280	5.60	7,640
.50	520	1.80	1,740	3.20	3,560	5.80	8,040
.60	600	1.90	1,860	3.40	3,850	6.00	8,450
.70	680	2.00	1,980	3.60	4,160	7.00	10,750
.80	760	2.10	2,100	3.80	4,480	8.00	13,250
.90	850	2.20	2,220	4.00	4,800	9.00	15,750
1.00	940	2.30	2,340	4.20	5,140	10.00	18,250
1.10	1,030	2.40	2,460	4.40	5,480		
1.20	1,120	2.50	2,590	4.60	5,820		

NOTE.—The above table is based on nine discharge measurements made during 1906 and 1907 and three earlier measurements above gage height 4 feet. It is well defined.

Daily discharge, in second feet, of Flint River near Woodbury, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1-----	1,580	665	1,580	1,520	5,140	890	1,520	620	282	310	365	495
2-----	1,320	665	1,580	1,320	4,480	755	1,520	980	338	310	535	495
3-----	1,080	665	1,710	1,260	3,070	2,310	1,260	3,210	282	310	575	460
4-----	980	665	1,580	1,140	2,380	3,560	845	4,800	255	282	665	460
5-----	980	665	1,320	1,080	1,900	2,930	1,370	5,140	255	255	575	425
6-----	1,080	1,970	1,320	1,020	1,520	2,440	1,900	3,560	255	255	535	495
7-----	1,140	2,650	2,240	1,320	1,080	1,520	1,840	2,380	228	255	460	535
8-----	1,080	2,240	2,510	1,580	1,020	1,200	1,970	1,900	228	282	425	800
9-----	1,020	1,710	2,380	1,580	935	890	3,560	1,380	255	310	425	800
10-----	935	8,450	11,800	1,450	3,280	755	3,280	1,200	255	255	425	665
11-----	845	8,880	11,200	1,260	2,930	710	2,180	890	200	310	425	575
12-----	800	6,880	13,800	1,140	1,710	665	1,520	845	200	338	425	620
13-----	845	4,970	19,200	1,260	1,080	980	980	2,110	200	282	425	935
14-----	845	8,240	19,000	1,520	935	1,080	800	2,380	200	338	425	1,380
15-----	935	9,100	15,200	1,380	800	1,080	755	2,860	200	460	425	1,260
16-----	1,020	14,200	10,300	1,200	845	1,080	620	2,380	255	845	425	1,140
17-----	1,450	11,200	5,650	1,020	1,200	935	575	1,320	495	755	495	890
18-----	1,520	8,240	3,280	980	1,080	800	620	1,080	495	710	535	755
19-----	1,520	6,160	2,440	890	980	710	575	845	800	710	665	890
20-----	1,320	5,140	5,480	845	1,520	710	500	620	710	665	620	890
21-----	1,260	3,850	10,800	800	2,040	1,970	425	535	460	535	535	935
22-----	1,080	5,480	12,200	755	1,380	2,510	545	425	800	575	495	845
23-----	1,020	5,310	6,520	845	1,080	1,970	665	425	620	535	738	755
24-----	890	4,800	4,320	1,020	890	1,780	710	395	1,450	535	980	665
25-----	845	3,420	3,560	1,710	890	1,320	575	365	1,200	535	1,140	890
26-----	845	2,720	2,860	3,210	980	1,140	495	310	890	460	980	1,020
27-----	800	2,310	2,240	3,700	1,380	1,080	425	310	710	460	710	1,140
28-----	755	1,840	2,110	3,420	1,380	890	395	310	620	425	665	1,080
29-----	755	-----	2,110	2,380	1,200	980	1,840	255	425	395	620	935
30-----	755	-----	1,970	1,840	1,080	2,310	845	255	365	365	495	800
31-----	665	-----	1,710	-----	1,020	-----	665	255	-----	365	-----	710

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Flint River near Woodbury.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1910												
1	700	1,710	8,450	785	700	410	970	410	410	875	260	-----
2	700	1,340	5,820	700	660	355	1,900	355	475	642	305	-----
3	700	1,460	5,820	700	620	355	3,000	410	545	410	305	-----
4	700	1,970	4,160	700	620	355	3,000	410	972	355	305	-----
5	700	1,580	3,000	700	545	382	3,420	620	1,400	305	305	-----
6	700	1,340	2,180	700	545	510	3,560	1,180	1,070	390	790	-----
7	1,230	1,120	1,710	700	545	620	2,580	1,280	305	305	475	-----
8	1,230	970	1,460	620	660	582	1,520	1,520	928	410	475	-----
9	1,180	970	1,230	620	785	545	1,280	1,400	785	515	442	-----
10	1,020	970	1,380	620	700	700	1,070	1,180	742	620	410	-----
11	925	1,120	1,520	620	740	1,340	785	785	700	620	410	-----
12	785	1,780	1,840	620	620	1,120	1,180	970	475	595	382	-----
13	700	1,580	2,110	700	620	1,070	2,040	785	410	570	355	-----
14	700	1,400	2,110	1,070	582	1,020	1,180	700	355	545	355	-----
15	700	1,230	1,520	925	510	1,280	700	545	305	355	355	-----
16	700	1,120	1,280	925	475	1,340	700	475	305	355	355	-----
17	620	1,120	1,120	5,990	475	1,020	700	410	260	305	355	-----
18	620	5,310	1,020	8,450	620	740	1,280	410	220	305	410	-----
19	700	5,480	970	6,160	660	620	4,800	410	220	260	410	-----
20	700	4,160	970	4,320	620	545	2,310	545	220	260	410	-----
21	1,070	3,420	970	2,650	785	442	970	620	220	260	410	-----
22	1,280	4,160	970	1,400	925	660	700	545	220	220	410	-----
23	1,340	3,280	925	1,120	925	785	545	475	220	220	410	-----
24	1,340	6,700	875	1,020	925	660	1,520	355	220	220	410	-----
25	1,340	5,990	875	925	970	785	1,520	355	190	220	355	-----
26	1,280	3,850	875	925	1,180	830	970	355	190	220	410	-----
27	1,120	2,930	875	875	1,710	582	700	355	190	220	475	-----
28	2,180	5,310	785	925	1,180	510	545	305	190	260	475	-----
29	3,560	-----	785	875	925	442	545	270	220	260	545	-----
30	3,140	-----	785	785	582	740	545	260	545	260	620	-----
31	2,580	-----	785	-----	475	-----	475	305	-----	260	-----	-----
1911												
1	-----	548	700	785	700	323	279	483	239	203	955	548
2	-----	548	700	700	970	279	279	3,140	239	140	785	548
3	-----	620	700	620	785	279	203	5,820	239	140	548	548
4	-----	620	620	620	700	279	203	4,320	203	140	483	483
5	-----	620	620	700	548	279	203	2,310	239	140	424	483
6	-----	620	620	2,440	548	239	548	1,640	424	140	424	483
7	-----	785	620	3,140	483	239	323	700	424	112	548	483
8	-----	875	620	2,860	483	323	323	548	424	86	700	483
9	-----	875	620	1,900	483	239	548	548	371	86	1,310	483
10	-----	1,280	620	2,040	424	239	371	548	279	86	2,310	483
11	-----	1,400	620	2,310	424	239	424	483	239	170	2,860	483
12	-----	2,310	548	1,900	424	203	483	483	203	239	2,580	483
13	-----	2,580	548	2,180	371	239	483	483	203	371	1,490	483
14	-----	2,440	548	2,040	371	203	970	483	203	323	1,220	483
15	-----	2,180	548	1,640	371	203	970	483	279	279	870	483
16	-----	1,520	548	1,280	371	203	1,280	371	239	239	785	548
17	-----	1,280	483	1,070	323	203	1,640	970	203	323	700	620
18	-----	1,070	483	875	323	203	1,400	1,400	279	483	620	620
19	-----	970	483	785	323	203	1,400	1,070	279	548	620	620
20	-----	1,180	548	1,180	371	424	1,180	620	424	700	620	620
21	-----	1,280	700	1,180	371	700	700	483	424	483	548	1,930
22	-----	1,070	620	970	424	620	548	424	279	548	548	2,580
23	-----	970	620	785	785	785	548	323	279	620	548	5,840
24	-----	875	548	700	2,040	483	548	424	239	548	483	7,150
25	-----	785	548	620	1,640	323	483	323	239	424	483	6,200
26	-----	700	620	620	970	279	424	279	279	371	483	4,500
27	-----	700	2,310	548	700	279	424	279	239	371	483	3,300
28	-----	700	2,580	548	483	483	424	239	239	870	548	2,720
29	-----	-----	2,180	620	424	424	279	239	203	1,220	620	2,310
30	-----	-----	1,520	875	371	424	239	239	203	1,310	620	1,700
31	-----	-----	1,070	-----	323	-----	239	239	-----	1,040	-----	1,400

NOTE.—These discharges were obtained from a rating curve which is fairly well defined below 6,500 second-feet. Discharges interpolated for days when gage was not read.

GEOLOGICAL SURVEY OF GEORGIA

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Daily discharge, in second feet, of Flint River near Woodbury.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1	2,310	7,550	2,180	4,350	2,180	1,040	1,220	620	424	1,220	584	700
2	2,050	4,980	1,810	3,150	2,050	785	1,130	620	371	870	548	700
3	2,180	3,150	1,490	2,310	1,810	785	1,130	483	371	785	548	700
4	2,050	1,930	2,180	2,050	1,700	700	1,310	620	323	870	548	700
5	1,810	1,490	2,050	1,490	3,300	1,220	1,490	548	1,590	1,130	548	785
6	1,490	1,310	3,750	1,400	5,150	1,040	1,590	548	955	1,810	584	1,260
7	1,400	1,220	4,050	1,310	5,320	2,440	1,220	483	700	1,700	955	1,310
8	1,400	1,130	3,900	1,310	5,150	2,860	1,040	1,220	483	1,490	1,310	1,220
9	3,750	1,130	3,150	1,310	7,150	2,310	1,310	3,150	424	1,080	998	1,130
10	3,900	1,130	2,580	1,220	4,500	1,700	2,180	1,810	424	700	870	1,130
11	3,450	1,310	2,050	1,310	2,860	1,490	1,930	1,490	424	620	328	1,040
12	2,720	1,400	2,440	1,220	1,810	1,310	1,810	1,590	548	620	785	870
13	1,930	1,400	2,720	1,220	1,700	870	1,810	1,400	620	584	700	785
14	1,700	1,220	2,310	1,220	1,490	1,400	3,450	955	548	660	660	785
15	1,400	3,150	10,100	1,220	1,220	4,200	1,700	870	700	700	660	785
16	1,310	4,200	26,300	1,490	1,220	6,770	1,400	700	620	660	700	700
17	1,130	4,820	25,700	3,900	1,310	5,150	1,310	620	548	700	620	700
18	1,040	4,350	18,000	7,950	1,130	3,000	2,440	870	548	600	620	742
19	1,490	3,450	10,100	8,360	1,040	1,400	4,050	1,040	620	955	620	785
20	1,590	2,310	3,750	7,750	1,040	1,040	2,580	1,040	548	1,360	620	828
21	1,400	2,720	2,310	9,200	870	870	1,700	955	548	1,220	620	785
22	1,310	5,840	1,930	8,150	870	785	1,490	870	620	998	620	785
23	1,130	5,150	1,700	13,800	870	700	1,310	620	955	870	620	998
24	1,040	4,500	2,310	9,420	785	700	870	620	1,400	785	620	2,180
25	1,040	6,200	4,350	6,770	785	1,040	785	785	1,220	700	620	2,180
26	1,040	5,840	3,750	4,200	700	3,600	785	548	955	620	620	1,930
27	955	5,490	3,150	2,580	700	5,150	785	548	700	548	620	1,700
28	955	4,050	2,310	1,930	955	4,980	700	620	620	548	620	1,590
29	1,930	3,000	5,660	1,700	785	3,600	620	548	785	548	700	1,360
30	8,990	---	7,350	2,580	1,040	1,700	548	483	955	548	700	1,220
31	8,780	---	6,020	---	1,130	---	548	424	---	548	---	1,220
1913												
1	1,180	2,440	4,200	2,310	700	483	371	998	424	---	---	---
2	1,130	1,700	3,900	1,810	700	424	424	912	398	---	---	---
3	1,130	2,310	2,720	1,590	700	700	516	1,540	371	---	---	---
4	1,080	4,980	2,180	1,490	620	1,360	700	1,490	371	---	---	---
5	1,040	4,500	1,500	1,440	548	1,080	584	998	955	---	---	---
6	998	2,720	1,440	1,360	548	1,260	742	700	1,180	---	---	---
7	955	1,930	1,310	1,260	548	1,540	620	548	828	---	---	---
8	955	1,590	1,310	1,180	548	3,000	454	1,080	742	---	---	---
9	912	1,310	1,260	1,130	548	3,300	371	912	742	---	---	---
10	870	1,180	1,300	1,040	548	2,580	398	584	584	---	---	---
11	870	1,080	1,640	1,130	548	2,580	2,720	483	424	---	---	---
12	955	1,440	1,930	1,220	548	1,440	1,540	912	371	---	---	---
13	1,040	1,400	6,960	1,130	548	955	1,180	660	323	---	---	---
14	1,040	1,310	11,400	1,080	548	742	1,440	516	323	---	---	---
15	998	1,220	31,300	1,040	548	660	1,360	483	323	---	---	---
16	955	1,130	27,700	1,040	516	584	1,310	700	371	---	---	---
17	870	1,040	22,600	998	483	516	870	548	371	---	---	---
18	870	955	14,100	955	770	483	742	398	483	---	---	---
19	870	955	6,200	955	700	483	620	371	1,360	---	---	---
20	870	1,360	3,750	912	700	454	584	347	1,590	---	---	---
21	870	4,200	4,660	785	785	424	998	301	998	---	---	---
22	870	3,900	7,350	742	700	424	1,640	279	870	---	---	---
23	912	3,300	5,490	700	1,130	424	3,000	259	785	---	---	---
24	1,130	2,180	3,900	700	1,860	424	4,200	398	700	---	---	---
25	1,540	1,590	2,720	700	1,220	398	3,300	398	620	---	---	---
26	1,700	1,310	2,180	700	1,080	371	4,200	371	483	---	---	---
27	2,720	2,050	2,720	700	912	347	1,490	301	347	---	---	---
28	3,300	4,500	3,900	700	700	323	1,310	239	371	---	---	---
29	4,050	---	3,750	700	548	323	1,810	259	323	---	---	---
30	4,500	---	3,150	700	548	323	2,180	323	398	---	---	---
31	2,720	---	3,300	---	483	---	1,700	347	---	---	---	---

NOTE.—Daily discharge computed from a rating curve fairly well defined between 200 and 24,000 second-feet.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Flint River near Woodbury.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913-1914												
1	620	424	584	1,400	700	1,490	1,440	454	203	170	454	301
2	584	424	870	1,310	660	1,400	1,260	424	203	170	398	323
3	516	424	955	1,930	620	1,080	1,080	424	203	170	323	742
4	424	424	828	1,490	620	955	870	424	323	170	347	998
5	347	371	700	1,400	548	870	742	371	347	301	323	454
6	301	371	620	1,130	660	870	620	371	279	203	323	323
7	279	371	700	955	1,310	785	620	371	279	584	323	279
8	279	398	742	870	1,080	785	660	371	323	259	454	259
9	279	398	700	785	1,220	742	870	371	301	1,040	870	239
10	279	371	660	742	870	620	828	371	259	1,080	2,720	239
11	279	371	584	700	785	620	700	347	301	424	2,440	221
12	279	371	548	700	700	1,490	620	323	239	323	2,310	221
13	279	371	548	620	785	1,700	620	279	424	323	3,300	239
14	239	371	548	620	998	1,490	2,130	279	454	323	2,440	221
15	239	424	548	548	912	1,220	6,200	279	398	323	2,720	203
16	279	424	548	548	828	998	3,600	279	454	301	2,860	203
17	279	424	548	548	700	870	2,440	259	347	301	2,720	203
18	259	424	516	548	700	742	1,590	239	454	398	1,640	239
19	584	424	483	548	700	700	1,260	239	1,130	700	828	1,220
20	660	424	483	548	700	700	1,130	239	870	516	742	584
21	548	424	483	620	700	700	1,080	239	700	323	912	371
22	548	424	483	620	620	700	912	239	454	259	620	371
23	584	424	483	620	620	700	828	239	398	221	742	301
24	912	424	483	620	620	700	700	203	259	203	785	279
25	1,040	424	620	785	620	620	660	203	221	203	700	398
26	955	424	700	912	660	620	584	203	203	221	700	516
27	742	424	785	700	828	620	548	203	203	323	548	454
28	620	424	700	660	955	620	548	203	203	347	301	279
29	548	424	1,040	620	-----	620	516	170	186	2,180	347	259
30	483	424	1,490	620	-----	620	483	170	186	998	483	239
31	454	-----	1,440	620	-----	1,220	-----	170	-----	742	371	-----
1914-1915												
1	239	279	3,000	2,580	2,720	1,540	1,220	620	3,600	516	279	371
2	323	279	2,580	1,700	3,450	1,360	1,130	620	5,150	870	279	347
3	584	279	2,440	1,360	3,450	1,180	1,130	584	3,300	998	239	323
4	454	279	6,390	1,130	3,600	1,040	1,130	483	2,050	828	301	347
5	371	279	10,700	1,040	3,000	3,300	1,040	424	1,400	2,180	398	620
6	371	279	8,990	1,260	2,440	4,350	870	424	828	6,580	323	828
7	371	279	6,960	2,180	2,180	3,900	870	1,400	742	4,050	301	742
8	347	279	3,900	2,310	1,930	3,150	785	6,770	620	3,000	239	483
9	323	454	2,050	2,310	1,590	2,180	785	4,500	584	1,810	239	398
10	323	785	1,360	1,930	1,440	1,590	785	3,300	483	2,580	259	323
11	301	660	1,080	1,640	1,260	1,360	785	2,440	483	2,180	398	301
12	301	516	912	3,300	1,080	1,220	785	2,440	483	2,050	454	259
13	301	454	870	3,000	1,080	1,130	700	2,310	1,080	1,080	347	301
14	454	424	1,220	2,580	1,130	1,080	700	2,050	1,040	828	347	700
15	1,440	2,720	1,180	1,930	1,810	1,040	700	1,360	742	912	454	371
16	2,180	4,500	998	1,540	2,720	1,040	700	1,040	785	912	347	371
17	2,720	3,900	912	1,930	2,440	1,040	620	785	955	742	301	398
18	3,150	3,000	828	3,900	1,930	955	620	660	1,080	660	371	347
19	1,930	1,640	785	4,500	1,540	955	620	584	998	483	870	323
20	1,130	1,130	785	3,150	1,360	955	620	548	785	660	1,040	301
21	742	828	828	3,000	1,220	955	620	483	700	870	1,080	259
22	483	700	998	2,180	1,130	955	548	454	516	785	1,080	239
23	424	516	912	1,700	1,180	870	548	424	398	548	785	239
24	371	483	870	3,900	1,590	870	548	424	347	424	548	239
25	347	483	870	5,490	1,700	870	548	371	323	371	548	203
26	371	483	998	6,580	1,930	870	516	371	323	323	454	203
27	323	483	1,310	5,150	1,930	870	483	398	301	323	371	170
28	279	620	1,310	3,300	1,700	870	516	870	323	301	347	203
29	279	1,540	1,930	2,440	-----	870	620	1,130	483	279	323	203
30	279	2,580	3,150	1,930	-----	912	620	870	454	279	371	279
31	279	-----	3,000	1,700	-----	1,180	-----	955	-----	279	454	-----

NOTE.—Daily discharge determined from a rating curve fairly well defined below 24,000 second-feet. Because of uncertainties due to power regulations and to lack of discharge measurements between discharges of 2,000 and 12,000 second-feet, estimates for individual days should be used with caution.

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Flint River near Woodbury.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-1916												
1-----	0.6	0.6	0.6	7.9	3.0	3.5	1.0	0.4	0.35	0.45	1.65	1.15
2-----	.8	.55	.6	4.8	4.2	4.3	1.0	.4	.3	.3	2.5	.8
3-----	.8	.5	.6	2.4	5.0	3.8	1.05	.4	.3	.25	4.0	.9
4-----	.7	.5	.6	1.9	4.4	3.1	1.1	.4	.3	.2	3.7	.7
5-----	.95	.5	.65	1.6	3.7	2.0	1.1	.4	.3	.2	2.2	.65
6-----	2.2	.5	.8	1.5	3.2	1.85	1.1	.4	.3	1.1	1.35	.6
7-----	2.1	.5	.75	1.4	2.1	1.75	1.2	.4	.3	2.4	1.1	.6
8-----	1.85	.5	.7	1.3	1.6	2.6	1.65	.4	.3	6.4	1.1	.6
9-----	1.5	.5	.7	1.2	1.4	2.1	1.8	.3	.2	12.4	1.05	.55
10-----	1.1	.5	.7	1.1	1.2	1.85	1.7	.3	.2	12.6	.95	.5
11-----	.65	.5	.8	1.15	1.1	1.7	1.4	.3	.15	10.8	.9	.4
12-----	.5	.5	1.45	1.3	1.2	1.55	1.25	.3	.1	8.2	.95	.4
13-----	.4	.5	1.5	3.2	1.75	1.4	1.15	.4	.15	6.2	1.3	.4
14-----	.5	.5	1.25	2.9	2.3	1.3	1.0	.3	.45	3.8	1.45	.7
15-----	2.4	.6	1.05	2.2	2.4	1.2	1.0	.2	1.35	2.5	2.7	1.5
16-----	1.9	.6	.9	1.9	2.4	1.1	.9	.2	1.8	2.5	2.4	1.45
17-----	1.1	.7	1.15	1.75	2.1	1.1	.9	.2	2.7	3.0	1.9	1.2
18-----	.9	.75	7.5	1.65	2.0	1.1	.85	.2	1.25	3.2	1.05	1.1
19-----	.9	1.2	8.8	1.5	1.1	1.05	.8	.2	.7	4.1	1.0	1.0
20-----	1.25	1.15	8.6	1.4	1.1	1.0	.8	.2	.55	4.1	.85	.7
21-----	1.2	1.0	7.4	1.3	1.05	1.0	.85	.2	.4	5.7	.65	.65
22-----	5.0	.8	4.0	1.3	1.0	1.0	.9	.2	.3	7.0	.55	.5
23-----	4.4	.7	2.4	1.3	1.2	1.0	.8	2.8	.3	6.0	.5	.5
24-----	2.6	.65	1.45	1.4	2.5	1.0	.65	2.0	.35	4.4	.5	.4
25-----	2.2	.6	1.1	1.3	2.2	.95	.6	1.6	.4	3.4	.45	.3
26-----	1.75	.6	1.3	1.3	2.0	1.15	.6	1.0	.35	3.0	.4	.3
27-----	1.35	.75	1.3	1.3	2.0	1.55	.6	.65	.3	2.6	.4	.25
28-----	.95	.9	1.6	1.3	1.25	1.5	.55	.45	.25	2.6	.4	.2
29-----	.8	.75	7.4	1.25	2.9	1.35	.5	.4	.45	2.4	.45	.2
30-----	.7	.6	9.4	1.2	-----	1.3	.5	.3	.65	2.3	.8	.2
31-----	.6	-----	9.0	1.2	-----	1.15	-----	.35	-----	1.95	.65	-----

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Flint River near Woodbury.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-1917												
1	325	540	1,600	1,400	3,450	1,820	2,300	860	690	1,820	480	540
2	325	540	1,400	1,400	3,150	3,150	2,050	860	610	860	540	1,130
3	325	540	1,220	1,310	2,710	6,040	2,050	860	540	540	480	690
4	325	540	1,130	1,310	2,300	14,700	2,430	860	540	540	540	690
5	325	480	950	1,400	1,820	17,800	10,100	950	540	540	480	540
6	325	480	860	1,600	1,400	15,000	14,700	1,040	540	540	690	540
7	325	480	610	1,400	1,220	10,900	13,500	1,040	540	540	2,570	690
8	370	480	540	1,220	1,220	5,170	8,520	1,220	480	540	4,050	690
9	370	480	2,710	1,220	1,400	3,150	4,840	1,130	480	540	4,360	540
10	480	480	2,850	1,130	1,400	2,170	2,850	1,040	1,040	540	3,600	1,040
11	420	480	2,170	1,130	1,220	1,930	2,300	1,040	860	540	2,570	860
12	370	540	1,710	1,040	1,220	1,820	2,050	860	770	420	1,400	690
13	370	690	1,400	860	1,220	1,600	1,820	860	690	420	1,130	480
14	370	690	1,040	1,040	1,130	1,500	1,710	860	950	420	1,220	420
15	325	690	860	1,220	1,040	1,500	1,600	860	770	420	1,040	370
16	325	610	950	1,710	1,040	1,500	1,500	690	690	420	1,400	370
17	325	540	860	3,750	1,040	1,500	1,400	690	540	420	2,050	370
18	420	540	860	3,450	1,820	1,400	1,310	690	420	2,050	1,930	370
19	2,850	540	950	3,150	2,300	1,400	1,220	690	480	3,450	1,820	325
20	2,300	540	1,040	2,300	2,850	1,400	1,220	690	690	3,150	1,710	325
21	1,220	540	1,040	2,050	5,000	1,600	1,220	610	770	2,300	1,130	325
22	860	540	1,130	2,050	6,040	3,150	1,220	610	860	2,050	690	325
23	690	540	1,040	2,430	5,510	4,840	1,130	610	1,400	2,050	610	540
24	540	690	1,040	5,340	4,200	6,040	1,040	610	860	1,600	540	690
25	480	690	950	6,960	3,150	6,040	1,040	610	690	1,600	480	1,710
26	480	690	950	5,000	2,570	6,220	1,040	690	610	1,040	480	2,300
27	480	610	860	3,600	1,930	12,600	1,040	690	540	690	420	1,600
28	480	690	1,040	2,570	1,710	15,200	950	860	1,040	770	420	1,820
29	480	1,600	1,710	2,050	-----	13,300	950	1,040	1,130	1,040	370	4,360
30	480	2,050	1,820	1,930	-----	8,740	860	770	1,820	690	370	7,530
31	540	-----	1,600	2,050	-----	4,050	-----	690	-----	540	420	-----
1917-1918												
1	7,530	690	610	610	6,580	1,040	610	3,900	370	950	1,400	770
2	5,000	610	610	610	6,040	950	610	2,850	370	770	2,430	1,310
3	2,170	610	610	610	5,170	860	690	2,050	325	540	3,900	860
4	1,220	610	610	610	4,050	860	690	1,600	325	420	3,150	860
5	860	540	610	610	2,570	860	610	1,220	325	325	2,710	770
6	690	540	690	690	2,300	860	610	1,040	420	325	1,710	950
7	690	540	610	1,040	1,820	860	860	950	540	285	1,040	1,220
8	610	540	690	950	1,600	950	3,000	860	540	285	690	950
9	610	540	770	860	1,400	950	4,050	860	610	420	540	540
10	610	540	690	860	1,310	950	5,340	770	610	325	420	420
11	610	540	690	1,040	1,220	950	3,450	770	1,040	285	540	420
12	540	540	770	5,000	1,220	860	2,300	690	1,400	285	610	370
13	540	540	770	4,200	1,310	860	1,600	690	1,040	285	540	325
14	540	540	770	4,050	1,220	770	1,220	770	770	285	480	325
15	540	540	690	4,680	1,400	770	1,040	1,040	540	250	370	325
16	540	540	690	4,050	1,500	770	950	1,130	420	250	370	285
17	540	540	690	3,000	2,300	770	860	860	420	215	370	285
18	480	540	690	2,050	1,320	690	860	770	370	250	370	285
19	540	540	690	1,600	1,600	690	860	690	370	325	480	250
20	610	690	690	1,400	1,400	690	950	540	420	540	540	370
21	690	860	610	1,220	1,600	690	1,040	540	420	480	480	420
22	610	770	610	1,600	1,400	770	860	540	420	540	370	420
23	610	770	610	2,050	1,220	770	860	540	420	152	325	370
24	540	770	610	2,170	1,220	690	690	540	370	180	285	325
25	540	690	610	2,170	1,220	690	690	610	325	480	420	325
26	540	610	950	2,050	1,130	690	1,820	540	325	770	325	325
27	540	610	1,040	1,710	1,040	690	2,570	480	325	1,600	285	325
28	540	610	860	1,400	1,040	610	3,150	420	370	1,710	285	325
29	540	610	770	4,680	-----	610	3,300	420	370	1,820	420	325
30	860	610	690	6,040	-----	610	3,600	420	480	2,300	690	325
31	770	-----	610	8,320	-----	610	-----	370	-----	1,600	860	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Flint River near Woodbury.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1-----	325	1,310	3,750	1,130	1,600	5,170	1,130	770	1,130	480	1,500	860
2-----	285	1,040	2,430	2,050	1,400	3,300	1,040	860	1,040	420	1,710	1,040
3-----	285	860	1,710	5,680	1,310	2,300	1,040	770	950	370	5,860	860
4-----	285	610	1,220	5,000	2,170	1,930	1,040	770	860	370	5,860	690
5-----	285	540	950	3,600	2,300	2,050	1,220	690	770	420	3,000	610
6-----	285	480	860	2,430	2,050	4,360	1,130	1,040	610	480	1,600	540
7-----	250	480	770	1,930	1,600	3,750	1,130	1,220	610	540	9,400	540
8-----	250	480	690	1,710	1,500	2,710	1,040	1,220	540	540	4,050	480
9-----	250	480	690	1,600	1,310	9,620	1,040	1,130	610	1,400	1,600	480
10-----	250	420	690	1,500	1,220	13,000	1,040	1,040	610	2,430	1,600	420
11-----	250	420	690	1,400	1,220	12,800	1,310	1,040	480	1,820	1,310	420
12-----	250	420	690	1,220	1,130	7,920	600	950	480	1,400	1,600	420
13-----	250	420	610	1,220	1,600	2,850	1,400	860	480	1,710	1,310	420
14-----	250	370	1,040	1,130	4,050	2,170	1,220	1,130	480	1,710	1,130	480
15-----	250	370	2,170	1,130	3,750	1,820	1,040	1,220	480	860	1,040	480
16-----	285	420	2,170	1,040	2,570	1,710	1,500	1,130	480	770	1,040	420
17-----	250	540	1,820	1,500	1,400	2,430	2,050	950	480	2,170	1,040	420
18-----	285	690	1,400	2,570	1,500	4,200	1,930	860	1,310	2,576	770	420
19-----	285	770	1,040	3,150	1,310	3,450	1,500	770	1,220	2,430	690	420
20-----	325	770	1,040	3,150	1,310	2,570	1,310	690	1,040	3,150	610	420
21-----	325	480	4,520	2,300	2,300	1,930	1,040	610	770	2,430	690	480
22-----	370	540	16,500	1,820	3,000	1,600	1,040	610	540	1,600	770	480
23-----	420	540	13,300	1,820	4,050	1,400	950	690	770	2,570	690	420
24-----	420	690	18,600	1,930	4,050	1,400	860	690	540	8,740	1,600	420
25-----	1,130	860	13,800	2,050	10,900	1,310	860	690	860	14,000	2,430	420
26-----	1,310	950	6,770	3,750	15,200	1,220	860	610	690	10,500	2,850	420
27-----	1,220	950	3,330	4,200	10,300	1,400	770	610	610	6,770	2,570	420
28-----	950	2,710	1,930	3,900	6,220	1,310	690	690	610	3,900	1,400	370
29-----	860	4,360	1,600	3,150	-----	1,310	690	690	480	2,170	950	370
30-----	1,220	4,360	1,400	2,800	-----	1,220	690	770	480	1,310	860	370
31-----	2,430	-----	1,310	1,820	-----	1,220	-----	950	-----	1,400	950	-----

Daily gage height, in feet, of Flint River near Woodbury.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-1920												
1-----	0.3	0.8	1.2	1.2	2.4	1.5	5.2	3.1	1.3	0.6	0.6	1.2
2-----	.3	1.6	1.1	1.1	2.1	1.4	5.5	2.0	1.2	.8	.8	.9
3-----	.9	1.4	1.0	1.1	4.4	1.4	6.4	5.0	1.1	.8	1.9	3.2
4-----	.6	1.1	1.0	1.1	7.4	1.5	5.7	8.2	1.1	.7	3.5	1.8
5-----	.6	1.0	.9	1.0	7.4	2.5	4.2	7.4	1.8	.7	2.8	1.5
6-----	.5	.8	.8	1.1	6.6	2.3	3.1	5.9	2.1	.8	2.6	1.3
7-----	.5	.7	.9	1.7	5.0	2.1	2.4	3.6	1.6	.8	2.9	1.1
8-----	.5	.7	4.1	2.2	3.1	1.9	2.3	3.0	1.4	1.0	2.0	1.0
9-----	.5	.6	9.9	2.4	2.5	1.6	2.4	2.6	1.2	1.0	1.9	1.2
10-----	1.1	.6	15.8	2.5	2.2	1.5	3.0	2.2	1.0	1.0	1.9	2.0
11-----	1.3	.7	16.6	2.1	2.4	1.5	2.7	1.9	1.0	2.2	2.4	1.6
12-----	.9	1.2	13.6	1.8	2.5	1.6	2.4	1.8	1.0	2.0	3.4	1.2
13-----	.7	1.9	9.6	1.6	3.0	2.7	2.2	3.8	.9	1.0	4.4	1.0
14-----	.6	1.8	5.6	1.5	2.9	2.9	2.0	5.0	.9	1.6	3.8	.8
15-----	.5	1.7	4.3	1.4	2.8	3.6	1.8	3.7	.9	1.4	2.9	.4
16-----	.5	1.3	3.0	1.4	2.5	3.3	1.8	3.2	.8	2.2	3.6	.6
17-----	1.8	.9	2.6	2.8	2.2	9.4	2.4	2.4	.7	2.5	3.9	.6
18-----	1.6	.8	2.1	3.0	2.0	11.2	2.5	2.1	.8	3.8	5.1	.6
19-----	1.6	.8	1.9	3.0	1.9	8.8	2.2	2.0	.8	5.0	3.8	.5
20-----	1.4	.8	1.8	2.4	1.9	8.6	2.0	2.0	.9	4.0	3.5	.5
21-----	1.2	.7	1.7	2.1	1.7	6.8	1.8	1.8	1.5	3.6	2.2	.5
22-----	1.5	.7	1.6	1.8	1.6	5.2	1.7	1.7	1.5	4.0	1.6	.4
23-----	1.4	.7	1.5	1.7	2.0	3.4	1.7	1.6	1.4	3.4	1.4	.4
24-----	2.1	.7	1.4	1.9	2.1	2.6	1.7	1.5	1.2	3.0	1.3	.4
25-----	1.6	.7	1.3	3.0	2.0	2.3	1.6	1.4	1.2	1.8	1.2	.8
26-----	1.3	.7	1.2	5.8	1.7	2.6	1.5	1.6	.8	1.2	1.0	.9
27-----	1.1	.7	1.2	6.8	1.5	3.6	4.2	2.2	.7	1.0	1.0	.8
28-----	1.0	.7	1.2	6.9	1.5	4.8	5.4	2.0	0.6	0.9	1.6	.8
29-----	.7	.8	1.2	5.8	1.5	9.1	5.6	1.6	.6	.8	2.0	.9
30-----	.7	1.0	1.2	4.4	-----	10.5	4.6	1.4	.6	.7	1.8	.9
31-----	.7	-----	1.2	3.0	-----	8.6	-----	1.3	-----	.6	1.6	-----

WATER POWERS OF GEORGIA

Monthly discharge of Flint River near Woodbury.

[Drainage area, 990 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	2,590	760	1,000	1.11	1.28	A.
February	6,520	850	2,310	2.33	2.43	A.
March	4,800	680	1,540	1.56	1.80	A.
April	4,800	600	1,890	1.91	2.13	A.
May	3,000	680	1,340	1.35	1.56	A.
June	5,140	320	888	.897	1.00	A.
July	3,560	320	1,090	1.10	1.27	A.
August	4,640	270	1,300	1.31	1.51	A.
September	1,470	225	473	.478	.53	A.
October	450	225	277	.280	.32	B.
November	4,160	248	1,110	1.12	1.25	A.
December	7,840	680	2,580	2.61	3.01	A.
The year	7,840	225	1,320	1.34	18.09	
1908						
January	5,140	1,120	2,380	2.40	2.77	A.
February	11,040	1,800	4,540	4.59	4.95	A.
March	10,300	1,030	2,290	2.31	2.66	A.
April	16,200	850	2,900	2.93	3.27	A.
May	2,720	805	1,300	1.31	1.51	A.
June	1,580	380	792	.800	.89	A.
July	2,860	320	974	.984	1.13	A.
August	7,260	248	1,280	1.29	1.49	A.
September	3,140	380	802	.810	.90	A.
October	1,470	320	645	.652	.75	A.
November	1,520	680	906	.915	1.02	A.
December	8,040	850	1,940	1.96	2.26	A.
The year	16,200	248	1,730	1.75	23.60	
1909						
January	1,580	665	1,030	1.04	1.20	A.
February	14,200	665	4,750	4.80	5.00	A.
March	19,200	1,320	5,930	5.99	6.91	A.
April	3,700	755	1,480	1.49	1.66	A.
May	5,140	800	1,650	1.67	1.92	A.
June	3,560	665	1,400	1.41	1.57	A.
July	3,560	395	1,150	1.16	1.34	A.
August	5,140	255	1,430	1.44	1.66	A.
September	1,450	200	464	.469	.52	B.
October	845	255	433	.437	.50	B.
November	1,140	365	574	.580	.65	B.
December	1,380	425	798	.806	.93	A.
The year	19,200	200	1,760	1.77	23.86	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Flint River near Woodbury.—Continued.

[Drainage area, 990 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1910						
January	3,560	620	1,170	1.18	1.36	A.
February	6,700	970	2,620	2.65	2.76	A.
March	8,450	785	1,910	1.93	2.22	A.
April	8,450	620	1,600	1.62	1.81	A.
May	1,710	475	738	.745	.86	A.
June	1,340	355	712	.719	.80	A.
July	4,800	475	1,520	1.54	1.78	A.
August	1,520	260	606	.612	.71	A.
September	1,400	190	479	.484	.54	B.
October	875	220	373	.376	.43	B.
November	620	260	400	.404	.45	B.
December			a520	.525	.61	C.
The year	8,450		1,040	1.05	14.33	
1911						
January			a1,030	0.945	1.09	C.
February	2,580	548	1,120	1.03	1.07	B.
March	2,580	483	810	.743	.86	B.
April	3,140	548	1,280	1.17	1.30	B.
May	2,040	323	591	.542	.62	B.
June	785	203	328	.301	.34	B.
July	1,640	203	592	.543	.63	B.
August	5,820	239	980	.899	1.04	B.
September	424	203	275	.252	.28	B.
October	1,310	86	411	.377	.43	C.
November	2,860	424	891	.817	.91	B.
December	7,150	483	1,620	1.49	1.72	B.
The year	7,150	86	827	.759	10.29	
1912						
January	8,990	955	2,220	2.04	2.35	A.
February	7,550	1,130	3,290	3.02	3.26	A.
March	26,300	1,490	5,530	5.07	5.84	A.
April	13,800	1,220	3,860	3.54	3.95	A.
May	7,150	700	2,020	1.85	2.13	A.
June	6,770	700	2,150	1.97	2.20	A.
July	4,050	548	1,490	1.37	1.58	A.
August	3,150	424	893	.819	.94	A.
September	1,590	323	685	.628	.70	A.
October	1,810	548	876	.804	.93	A.
November	1,310	548	689	.632	.71	A.
December	2,180	700	1,080	.991	1.14	A.
The year	26,300	323	2,060	1.89	25.73	

a—Estimated by comparison with other Flint River stations.

WATER POWERS OF GEORGIA

Monthly discharge of Flint River near Woodbury.—Continued.

[Drainage area, 1,090 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1913						
January.....	4,500	870	1,420	1.30	1.50	B.
February.....	4,980	955	2,130	1.95	2.03	B.
March.....	31,300	1,260	6,190	5.68	6.55	B.
April.....	2,310	700	1,070	.982	1.10	C.
May.....	1,360	483	689	.632	.73	C.
June.....	3,300	323	947	.869	.97	C.
July.....	4,200	371	1,400	1.28	1.48	C.
August.....	1,540	239	602	.552	.64	C.
September.....	1,590	323	614	.563	.63	C.
1913-1914						
October.....	1,040	239	475	0.436	0.50	C.
November.....	424	371	408	.374	.42	C.
December.....	1,490	483	691	.634	.73	C.
January.....	1,930	548	817	.750	.86	C.
February.....	1,310	548	776	.712	.74	C.
March.....	1,700	620	899	.825	.95	C.
April.....	6,200	483	1,210	1.11	1.24	C.
May.....	454	170	239	.265	.31	C.
June.....	1,130	186	360	.330	.37	C.
July.....	2,180	170	455	.417	.48	C.
August.....	3,300	301	1,130	1.04	1.20	C.
September.....	1,220	203	373	.342	.38	C.
The year.....	6,200	170	656	602	8.18	
1914-1915						
October.....	3,150	239	703	0.645	0.74	C.
November.....	4,500	279	1,040	.954	1.06	C.
December.....	10,700	785	2,300	2.19	2.52	C.
January.....	6,580	1,040	2,670	2.45	2.82	C.
February.....	3,600	1,080	1,950	1.79	1.86	C.
March.....	4,350	870	1,430	1.31	1.51	C.
April.....	1,220	483	739	.678	.76	C.
May.....	6,770	371	1,290	1.18	1.36	C.
June.....	5,150	301	1,050	.963	1.07	C.
July.....	6,530	279	1,250	1.15	1.33	C.
August.....	1,080	239	456	.418	.48	C.
September.....	823	170	356	.327	.36	C.
The year.....	10,700	170	1,280	1.17	15.87	

Monthly discharge of Flint River near Woodbury.—Continued.

[Drainage area, 1,090 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area):
	Maximum.	Minimum.	Mean.	Per square mile.	
1916-1917	2,850	325	590	0.541	0.62
November-----	2,050	480	651	.597	.67
December-----	2,850	540	1,260	1.16	1.34
January-----	6,960	860	2,230	2.05	2.36
February-----	6,040	1,040	2,320	2.13	2.22
March-----	17,800	1,400	5,720	5.25	6.05
April-----	14,700	860	3,000	2.75	3.07
May-----	1,220	610	835	.757	.87
June-----	1,820	420	753	.691	.77
July-----	3,450	420	1,070	.982	1.13
August-----	4,360	370	1,290	1.18	1.36
September-----	7,530	325	1,100	1.01	1.13
The year-----	17,800	325	1,730	1.59	21.59
1917-1918	7,530	480	1,040	0.954	1.10
October-----	860	540	607	.557	.62
December-----	1,040	610	697	.639	.74
January-----	8,320	610	2,320	2.13	2.46
February-----	6,580	1,040	2,060	1.89	1.97
March-----	1,040	610	787	.722	.83
April-----	5,340	610	1,660	1.52	1.70
May-----	3,900	370	951	.872	1.01
June-----	1,400	325	502	.461	.51
July-----	2,300	152	621	.570	.66
August-----	3,900	285	884	.811	.94
September-----	1,310	250	512	.470	.52
The year-----	8,320	152	1,050	.963	13.06
1918-1919	2,430	250	519	0.451	0.52
November-----	4,360	370	944	.821	.92
December-----	18,600	610	3,690	3.21	3.70
January-----	5,680	1,040	2,360	2.05	2.36
February-----	15,200	1,130	3,300	2.87	2.99
March-----	1,300	1,220	3,400	2.96	3.41
April-----	2,050	690	1,140	.991	1.11
May-----	1,220	610	862	.750	.86
June-----	1,310	480	700	.609	.68
July-----	1,400	370	2,630	2.29	2.64
August-----	9,400	610	2,020	1.76	2.03
September-----	1,040	370	500	.435	.49
The year-----	18,600	250	1,840	1.60	21.71

WATER POWERS OF GEORGIA

FLINT RIVER NEAR MUSELLA, GA.

Location.—The station is located 10 miles southwest of Musella, Ga., and one mile below the mouth of Ulochachee Creek.

Records Available.—September 14, 1907, to December 31, of the same year.

Discharge measurements of Flint River near Musella.

Date.	Gage height.	Discharge.
1907	Feet.	Sec.-ft.
November 6	2.70	458
November 6	2.68	458

Daily gage height, in feet, of Flint River near Musella.

Day.	Sept.	Oct.	Nov.	Dec.	Day.	Sept.	Oct.	Nov.	Dec.
1907					1907				
1			2.6	4.2	17	2.9	2.6	2.9	4.9
2		2.8	2.6	4.1	18	2.7	2.7	3	4.2
3		3	2.6	3.9	19	2.6	2.7	3.2	4.4
4		3	2.7	3.7	20	2.7	2.7	3.4	4.2
5		2.9	2.7	3.6	21	2.6	2.6	4.9	4.0
6		2.8	2.7	3.2	22	2.6	2.6		3.9
7		2.9		3.4	23	2.9	2.6	9.0	
8		2.7		3.3	24	2.7	2.6		
9		2.8		3.2	25	2.8	2.5		8.9
10		2.8		3.2	26	2.6	2.6	4.9	7.1
11		2.8	3	4.6	27	2.9	2.6	4.2	5.2
12		2.8	3.3	4.4	28	3.8	2.6	5.1	4.8
13		2.8	3.2	4.8	29	2.9	2.6	5.6	5.2
14	3	2.7	3.2		30	2.8	2.6	4.7	
15	2.9	2.6	3.1	7.7	31		2.5		
16	2.9	2.6	3	5.3					

FLINT RIVER NEAR CULLODEN, GA.

Location.—At Grays Ferry, Upson County, 1½ miles upstream from mouth of Auchumpkee Creek and 14 miles southwest of Culloden.

Drainage Area.—2,000 square miles.

Records Available.—July 1, 1911, to September 30, 1920.

Gage.—A staff in four sections on left bank at ferry landing; read by Lonie Williams.

Discharge Measurements.—Made from ferryboat.

Channel and Control.—Bed sandy; shifting at gage. Control is a permanent rock ledge half a mile downstream.

Regulation.—Practically none.

GEOLOGICAL SURVEY OF GEORGIA

Discharge measurements of Flint River near Culloden.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1911	Feet.	Sec.-ft.	1918	Feet.	Sec.-ft.
June 29-----	1.69	512	July 17-----	1.37	2,84
September 15-----	1.25	279	August 16-----	1.72	487
1912			August 25-----	1.80	526
May 17-----	3.49	2,060	October 10-----	1.35	264
August 23-----	2.57	1,260	1919		
1914			February 21-----	5.43	4,680
August 10-----	4.56	3,670	March 26-----	3.50	2,150
1918			March 27-----	3.74	2,390
March 27-----	2.45	967	May 29-----	2.72	1,350
May 3-----	4.72	3,440	September 19-----	2.04	703
May 23-----	4.72	806	1920		
			February 17-----	4.61	3,780

Daily discharge, in second. feet, of Flint River near Culloden.

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911							1911						
1-----	504	360	388	282	1,310	1,020	16-----	1,310	665	444	334	1,220	1,050
2-----	360	1,220	360	257	1,180	970	17-----	2,010	257	360	307	1,180	1,130
3-----	360	6,950	415	282	1,010	930	18-----	1,790	1,400	444	1,050	1,050	1,090
4-----	257	9,840	1,180	257	665	810	19-----	2,580	1,590	534	850	970	1,050
5-----	257	4,670	415	210	735	850	20-----	1,790	1,310	504	504	1,010	1,440
6-----	415	2,120	473	234	665	772	21-----	1,310	970	598	415	890	4,670
7-----	735	1,310	444	257	1,050	735	22-----	970	810	566	13,000	850	5,510
8-----	473	970	598	165	1,090	700	23-----	970	598	735	4,200	735	14,200
9-----	415	810	534	234	2,010	735	24-----	970	473	534	2,010	772	12,000
10-----	735	1,400	504	57	4,960	772	25-----	810	665	504	1,180	810	9,170
11-----	665	970	444	810	2,830	735	26-----	735	534	360	1,050	665	6,580
12-----	890	930	360	307	3,490	735	27-----	598	473	444	735	735	5,170
13-----	1,050	1,050	388	257	3,350	735	28-----	598	444	388	970	850	4,050
14-----	1,050	970	415	234	1,690	772	29-----	473	415	257	1,790	890	3,910
15-----	1,790	810	473	415	1,490	810	30-----	473	388	307	2,010	1,050	2,830
							31-----	444	415	-----	1,590	-----	3,490

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Flint River near Culloden.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1-----	6,760	10,500	3,910	6,760	3,220	2,010	2,230	930	810	2,120	970	1,130
2-----	4,200	7,520	3,220	5,340	3,090	1,790	1,790	890	772	1,690	890	1,050
3-----	4,050	6,040	3,090	4,050	2,960	1,690	2,010	810	735	1,400	890	1,050
4-----	4,200	3,910	5,170	3,770	2,700	2,010	2,120	1,050	735	1,220	850	1,050
5-----	3,350	2,700	4,050	2,700	5,680	2,700	2,010	1,090	1,050	2,010	810	1,130
6-----	2,830	2,460	12,000	2,580	8,320	2,340	2,460	1,050	2,010	2,230	810	1,540
7-----	2,580	2,230	8,120	2,460	7,330	7,720	1,900	970	1,490	2,460	1,220	1,790
8-----	5,000	2,010	6,220	2,340	7,140	5,860	1,790	3,910	1,310	2,120	1,400	1,790
9-----	10,800	2,010	5,170	2,230	6,760	5,000	1,900	6,400	772	1,790	1,590	1,590
10-----	7,920	1,790	4,670	2,230	5,860	2,700	2,120	5,860	772	1,490	1,400	1,400
11-----	5,680	2,120	4,050	2,340	5,170	2,580	3,090	5,510	930	1,090	1,260	1,310
12-----	4,200	2,230	7,520	2,230	2,830	2,120	2,700	4,350	1,440	970	1,130	1,220
13-----	3,630	2,120	5,860	2,120	2,580	1,690	4,350	3,090	1,130	890	1,050	1,130
14-----	3,090	2,700	4,510	2,120	2,460	1,490	4,670	1,900	930	1,090	970	1,130
15-----	2,960	4,510	(a)	2,010	2,460	1,360	4,200	2,700	1,050	1,130	970	1,050
16-----	2,230	5,860	(a)	3,090	2,230	7,520	2,230	1,590	930	1,220	970	970
17-----	2,230	6,580	(a)	10,300	2,120	6,580	2,830	1,400	890	1,130	970	970
18-----	2,120	6,040	(a)	13,200	2,010	5,680	3,910	1,790	890	1,050	970	970
19-----	2,010	4,830	(a)	13,000	1,790	3,090	5,680	1,900	890	2,010	970	970
20-----	2,580	4,050	8,740	12,000	1,790	2,340	4,670	2,830	810	2,700	970	970
21-----	2,460	3,770	,830	(b)	1,590	1,490	2,960	2,460	810	2,120	970	970
22-----	2,460	10,300	3,910	(b)	1,490	1,440	2,580	2,230	890	1,590	970	1,050
23-----	2,010	8,230	2,960	(b)	1,490	970	1,790	1,220	2,460	1,440	970	1,130
24-----	2,010	7,140	5,510	(b)	1,440	930	1,490	1,220	2,770	1,220	970	6,220
25-----	1,690	12,000	9,390	11,000	1,400	3,350	1,490	2,120	2,230	1,090	890	5,680
26-----	1,590	10,300	6,760	8,950	1,360	5,000	1,440	1,310	1,690	1,050	890	4,200
27-----	1,590	8,950	5,170	5,340	1,220	6,400	1,400	1,220	1,260	1,050	890	3,090
28-----	1,490	6,950	3,910	4,200	1,220	6,760	1,310	1,400	1,130	970	970	2,830
29-----	2,010	5,000	13,000	3,910	1,590	6,580	1,130	1,400	1,220	890	1,050	2,460
30-----	12,000	-----	12,000	3,490	1,790	2,960	1,090	970	1,360	890	1,180	2,460
31-----	13,500	-----	7,140	-----	2,010	-----	970	890	-----	890	-----	2,230

aAverage daily discharge, Mar. 15-19, estimated at 16,000 second-feet. (Determined from observer's notes and by comparison with other Flint River stations.)

bAverage daily discharge, Apr. 21-24, estimated at 14,000 second-feet. (Determined from observer's notes by comparison with other Flint River stations.)

NOTE.—Daily discharge computed from a rating curve fairly well defined below 2,700 second feet. Above 6,000 second-feet the estimates are only approximate.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Flint River near Culloden.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913												
1							4,050	1,310	890	665	1,590	665
2						7,720	3,220	1,260	850	700	1,400	700
3					2,700	5,170	2,960	1,220	970	735	1,790	735
4					7,520	3,630	2,700	1,180	2,460	930	2,230	1,090
5					5,680	2,960	2,580	1,130	2,340	1,690	1,790	2,700
6					4,200	2,460	2,460	1,090	2,460	1,440	1,260	3,910
7					4,050	2,230	2,230	1,050	2,960	1,310	1,050	2,230
8					2,830	2,120	2,010	1,050	3,630	930	2,960	1,690
9					2,830	1,690	2,010	1,050	4,670	735	1,790	1,310
10					3,220	1,900	2,010	1,090	3,770	665	1,490	1,130
11					1,690	2,580	2,460	1,050	3,350	1,790	1,220	850
12					2,830	2,700	3,220	1,050	2,700	3,090	1,500	772
13					2,580		2,460	1,050	1,790	1,690	1,440	700
14					2,120		2,230	1,050	1,440	1,900	1,210	665
15					1,790		2,010	1,010	1,220	2,010	1,050	665
16					1,690		1,900	970	1,130	1,790	930	735
17					1,690		1,790	970	1,010	1,400	1,180	850
18					1,590		1,790	1,220	970	1,220	930	810
19					1,590		1,690	1,260	930	1,010	772	1,590
20					1,690	7,920	1,590	1,440	890	772	665	2,960
21					2,830	6,220	1,540	1,310	890	1,130	632	2,700
22					5,000		1,490	1,310	930	2,460	632	1,790
23					4,510	9,840	1,400	1,220	810	2,960	508	1,490
24					3,090	7,920	1,400	2,010	810	5,000	1,050	1,220
25					2,580	5,000	1,400	2,010	810	4,350	800	1,010
26					1,790	5,000	1,400	2,010	735	3,770	665	850
27					1,900	7,520	1,400	1,490	735	2,460	735	772
28					5,680	7,330	1,400	1,220	735	2,230	632	735
29						5,680	1,360	1,090	735	3,490	598	700
30						4,670	1,310	970	700	2,700	632	810
31						4,350		890		2,230	665	
1913-1914												
1	915	875	800	1,960	1,170	3,590	2,080	875	473	515	1,260	630
2	998	800	1,040	2,200	1,220	2,990	2,200	800	360	307	1,080	534
3	1,040	765	1,510	4,400	1,120	2,320	1,840	800	360	257	630	566
4	875	800	1,460	3,590	1,120	1,840	1,560	765	360	257	765	1,560
5	765	765	1,260	2,850	1,040	1,720	1,310	730	630	307	765	1,040
6	663	730	1,080	2,200	1,260	1,840	1,170	730	800	388	696	630
7	663	730	1,310	1,840	2,320	1,620	1,120	765	696	534	696	504
8	598	800	1,410	1,560	2,450	1,510	1,120	730	566	765	1,510	444
9	598	875	1,310	1,410	1,840	1,360	1,310	730	534	444	1,170	415
10	598	800	1,170	1,360	1,560	1,310	1,410	663	566	1,720	2,710	415
11	598	800	1,040	1,260	1,460	1,220	1,260	663	473	998	5,860	415
12	566	730	955	1,220	1,360	2,580	1,170	630	630	630	2,710	360
13	504	730	955	1,120	1,410	3,430	1,120	598	730	696	2,850	360
14	504	730	875	1,120	1,840	2,990	1,840	598	765	534	3,590	360
15	504	730	915	1,040	1,720	2,450	7,800	534	663	696	2,320	307
16	504	800	955	1,040	1,560	1,960	6,430	534	630	598	2,850	307
17	473	800	955	1,040	1,360	1,620	4,230	534	730	1,840	3,430	307
18	504	800	955	1,040	1,260	1,510	2,850	534	630	1,410	2,580	307
19	534	800	955	1,040	1,220	1,410	2,080	473	1,220	1,080	1,620	1,510
20	1,260	800	955	1,040	1,510	1,310	1,840	473	1,510	1,360	1,080	1,360
21	1,170	800	875	1,040	1,410	1,310	1,840	473	1,080	598	1,120	915
22	1,040	800	875	1,120	1,310	1,360	1,560	473	857	504	955	800
23	955	800	955	1,120	1,220	1,410	1,360	473	696	415	1,080	630
24	1,720	800	955	1,170	1,120	1,360	1,260	444	566	504	1,170	534
25	2,080	800	1,220	1,410	1,120	1,310	1,170	415	444	307	1,080	566
26	1,620	800	1,410	1,410	1,260	1,260	1,120	415	415	307	1,040	596
27	1,460	800	1,410	1,360	1,510	1,220	1,040	388	388	504	838	663
28	1,170	800	1,410	1,220	1,840	1,220	998	360	360	2,580	598	534
29	1,080	800	1,460	1,120		1,220	915	360	360	2,710	566	504
30	998	800	2,850	1,120		1,220	875	360	307	1,720	915	473
31	915		2,580	1,120		1,460		360		1,120	730	

NOTE.—Daily discharge determined from a rating curve well defined below 4,400 second-feet. Above 4,400 second-feet the rating curve is simply an extension and estimates above 7,000 second-feet are only approximate.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Flint River near Culloden.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-1915												
1-----	473	598	6,240	4,400	4,570	2,850	2,320	1,120	5,100	875	534	696
2-----	730	566	5,100	3,430	8,200	2,580	2,080	1,040	15,800	1,560	566	630
3-----	1,460	534	3,750	2,580	7,200	2,320	1,960	955	8,600	2,850	566	598
4-----	1,080	534	6,240	2,200	6,240	2,080	1,960	875	4,400	1,620	630	566
5-----	838	534	11,600	1,840	4,570	6,620	1,840	838	2,850	1,720	663	730
6-----	765	534	12,400	1,960	4,400	8,200	1,620	800	1,840	8,400	696	998
7-----	730	534	10,600	3,430	3,750	6,620	1,510	1,120	1,510	9,000	534	1,170
8-----	696	534	7,400	3,750	3,430	5,480	1,460	8,800	1,360	5,480	504	998
9-----	630	534	4,070	3,750	2,990	4,070	1,410	8,000	1,220	3,430	473	765
10-----	598	663	2,580	2,990	2,580	3,130	1,410	5,100	1,080	6,620	598	630
11-----	566	1,220	1,840	2,580	2,320	2,580	1,410	4,230	998	3,750	663	566
12-----	696	1,040	1,620	4,400	2,320	2,320	1,310	5,100	955	2,580	765	504
13-----	598	765	1,620	5,100	2,080	2,080	1,310	4,400	1,410	1,960	730	444
14-----	663	800	2,080	4,400	2,080	2,080	1,310	3,750	1,620	1,560	630	875
15-----	1,840	3,430	2,080	3,590	2,080	1,960	1,220	2,710	1,460	1,310	598	875
16-----	3,130	6,620	1,840	2,850	4,570	1,840	1,220	1,960	1,260	1,410	730	696
17-----	3,130	5,670	1,560	3,430	4,070	1,840	1,170	1,510	1,720	1,310	566	630
18-----	4,230	5,100	1,410	14,200	3,750	1,840	1,120	1,260	1,720	1,120	696	630
19-----	3,280	3,130	1,410	15,400	2,990	1,840	1,120	1,080	1,620	955	1,080	598
20-----	2,080	1,960	1,410	8,600	2,580	1,720	1,120	955	1,410	1,170	1,360	504
21-----	1,360	1,510	1,510	5,860	2,320	1,720	1,120	955	1,170	1,220	1,360	473
22-----	955	1,170	1,620	4,070	2,080	1,720	1,040	875	955	1,460	1,840	444
23-----	765	998	1,510	3,280	2,200	1,620	1,040	875	765	1,220	1,310	415
24-----	730	955	1,460	9,800	3,430	1,620	1,040	875	730	875	955	388
25-----	730	875	1,510	11,800	3,430	1,560	1,040	838	663	800	765	360
26-----	663	875	2,080	10,200	3,280	1,510	955	800	663	663	838	360
27-----	663	875	2,080	8,600	3,430	1,510	955	800	630	663	800	360
28-----	598	915	2,080	6,620	3,130	1,510	955	1,560	630	598	730	307
29-----	598	7,400	2,850	4,740	-----	1,510	1,040	2,080	730	598	663	696
30-----	598	10,600	6,240	3,430	-----	1,510	1,120	1,840	915	534	598	998
31-----	598	-----	5,100	2,850	-----	1,960	-----	1,560	-----	534	696	-----
1915-1916												
1-----	875	1,170	1,120	19,200	5,860	5,670	1,460	875	663	696	2,580	1,840
2-----	838	1,080	1,080	13,000	11,000	7,400	1,410	875	663	696	3,130	1,460
3-----	875	1,040	955	9,400	10,800	6,240	1,510	875	663	663	4,400	1,360
4-----	838	955	915	6,620	9,000	5,480	1,560	875	663	663	7,800	1,200
5-----	1,720	915	875	4,400	7,000	4,070	1,510	800	663	630	3,750	1,040
6-----	1,840	800	955	2,450	4,740	3,130	1,460	730	663	1,040	2,580	955
7-----	2,850	800	998	2,080	3,590	2,320	1,510	730	663	6,620	2,580	875
8-----	2,320	730	1,120	1,840	2,850	6,240	1,840	730	663	26,000	1,840	838
9-----	1,720	730	1,080	2,080	2,580	4,570	2,580	663	598	-----	1,620	800
10-----	1,560	663	998	1,840	2,320	3,130	2,580	663	598	-----	1,510	765
11-----	1,360	663	955	1,620	2,200	2,580	2,080	663	534	-----	1,510	875
12-----	1,080	630	1,620	1,460	2,080	2,320	1,620	663	534	28,800	955	800
13-----	838	598	1,720	2,850	2,080	2,080	1,510	663	504	17,800	1,720	800
14-----	663	598	1,840	5,480	2,850	1,840	1,460	696	598	10,400	2,200	915
15-----	7,400	534	1,840	4,070	2,580	1,840	1,410	663	1,170	5,860	3,750	2,580
16-----	3,750	598	2,080	3,130	2,320	1,620	1,310	663	2,320	4,740	4,070	2,320
17-----	1,960	663	2,320	2,580	2,080	1,510	1,510	598	3,590	6,430	2,850	1,620
18-----	1,260	765	10,000	2,450	1,840	1,510	1,360	598	2,080	8,200	1,840	1,510
19-----	1,170	955	22,200	2,320	1,620	1,510	1,220	598	1,080	9,000	1,410	1,460
20-----	1,620	1,120	21,000	2,320	1,510	1,510	1,220	598	838	7,400	1,080	1,360
21-----	1,720	1,120	18,200	2,080	1,510	1,460	1,220	598	730	11,600	1,220	915
22-----	5,480	1,080	14,600	1,840	1,510	1,410	1,310	630	663	13,800	1,170	838
23-----	10,000	1,040	11,000	2,080	1,510	1,410	1,220	1,560	838	20,600	998	765
24-----	6,620	1,040	9,200	2,080	2,710	1,410	1,120	3,280	800	20,400	955	663
25-----	4,400	955	8,000	1,960	3,430	1,410	1,040	2,580	730	15,000	915	663
26-----	3,430	955	5,480	1,960	2,990	1,510	1,040	1,840	663	8,600	838	663
27-----	2,320	1,220	4,740	1,840	2,200	2,320	955	1,310	663	6,620	765	663
28-----	1,720	1,220	4,920	1,720	1,840	2,320	955	955	663	4,400	730	663
29-----	1,410	1,120	13,800	1,620	3,280	2,080	955	696	663	4,400	730	663
30-----	1,120	1,080	22,400	1,840	-----	1,720	955	663	765	4,070	765	663
31-----	998	-----	23,000	1,720	-----	1,510	-----	663	-----	3,590	1,120	-----

NOTE.—Daily discharge determined from a rating curve well defined below 4,400 second-feet. Above 4,400 second-feet the rating curve is simply an extension and estimates above 7,000 second-feet are only approximate.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Flint River near Culloden.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-1917												
1	562	810	2,320	2,320	4,140	3,030	3,840	1,380	1,080	2,770	885	2,540
2	530	810	2,100	2,100	4,620	5,460	3,290	1,290	1,080	1,880	848	1,380
3	530	735	1,670	1,880	3,550	8,460	3,290	1,290	1,040	1,290	1,040	1,240
4	530	735	1,380	1,770	3,290	26,100	2,770	1,380	960	1,040	998	1,160
5	530	700	1,340	1,670	2,650	35,300	16,400	1,470	960	960	922	998
6	530	595	1,200	1,670	2,320	26,100	23,900	1,570	885	1,040	885	848
7	530	595	1,080	2,100	2,100	16,800	20,100	1,880	810	1,160	3,030	1,040
8	530	595	1,160	2,100	1,880	9,800	14,200	2,100	810	1,040	4,780	998
9	530	595	3,840	1,880	1,990	5,460	8,840	1,880	772	885	5,110	960
10	562	595	3,550	1,670	1,990	3,840	5,460	1,570	1,880	885	4,460	1,040
11	630	595	3,160	1,420	1,880	3,290	3,840	1,380	1,880	922	3,420	1,340
12	630	772	2,540	1,380	1,770	3,030	3,290	1,380	1,420	960	2,100	998
13	530	1,080	2,320	1,340	1,670	2,540	3,030	1,290	1,200	772	1,470	772
14	530	1,080	1,770	1,290	1,470	2,540	2,770	1,290	1,160	700	1,470	665
15	530	1,040	1,470	1,470	1,420	2,430	2,540	1,240	1,240	772	1,470	595
16	530	922	1,380	1,880	1,670	2,320	2,320	1,160	960	595	1,420	595
17	530	848	1,380	2,210	1,670	2,320	2,210	1,120	810	595	2,210	595
18	665	810	1,290	3,990	3,160	2,320	2,100	1,120	810	1,670	2,320	595
19	1,990	810	1,380	4,460	5,460	2,210	1,990	1,120	810	5,280	2,100	562
20	3,550	772	1,380	3,840	6,940	2,100	1,990	1,040	848	4,140	5,640	530
21	1,880	735	1,380	3,290	8,080	2,100	1,880	1,040	1,080	3,290	3,290	530
22	1,290	735	1,470	2,540	8,080	3,840	1,880	1,040	1,160	2,210	1,340	500
23	1,040	848	1,570	3,840	7,700	6,000	1,880	1,670	1,770	2,320	1,120	595
24	922	922	1,380	9,220	7,700	8,460	1,670	1,290	1,420	2,430	960	885
25	1,080	1,040	1,380	17,700	4,780	8,460	1,670	1,040	1,200	2,100	885	1,670
26	700	960	1,380	10,000	3,550	3,650	1,570	1,120	998	2,770	810	2,540
27	665	885	1,290	6,750	3,030	14,400	1,470	1,160	1,200	1,670	735	2,320
28	665	885	1,290	3,990	2,650	3,000	1,470	1,120	1,240	1,290	700	2,320
29	665	1,200	1,880	3,160	18,100	1,380	1,380	1,670	1,380	1,990	595	5,460
30	700	2,540	2,430	2,900	12,900	1,380	1,380	1,380	4,460	1,340	595	7,530
31	735	2,320	2,900	2,900	7,320	1,290	1,290	1,290	998	595	595	---
1917-1918												
1	9,600	1,040	922	960	9,220	1,470	960	6,750	530	848	1,880	1,240
2	7,130	998	960	960	9,600	1,420	960	4,940	530	1,080	1,990	1,340
3	3,690	960	960	960	11,200	1,380	1,040	3,290	530	848	5,460	1,120
4	2,100	885	960	960	7,510	1,380	1,040	2,540	500	595	3,840	1,420
5	1,420	885	960	960	5,110	1,290	998	2,100	500	530	3,550	1,240
6	1,160	885	960	998	3,840	1,240	885	1,570	595	440	1,990	848
7	1,040	885	960	1,570	3,030	1,420	960	1,380	772	410	1,470	1,380
8	960	885	1,080	1,420	2,540	1,420	3,840	1,290	960	350	1,080	1,380
9	960	885	1,200	1,380	2,320	1,290	4,460	1,200	848	350	810	1,040
10	1,040	885	1,200	1,340	2,210	1,420	5,460	1,160	922	500	665	735
11	960	885	1,120	1,290	2,210	1,420	4,780	1,040	998	500	630	595
12	922	810	1,040	7,700	2,100	1,240	3,030	998	1,380	320	700	530
13	885	885	1,120	6,560	2,320	1,200	2,320	998	1,570	350	848	500
14	885	810	1,120	5,280	2,100	1,200	1,770	1,040	1,200	290	665	470
15	810	885	1,120	6,560	2,100	1,200	1,380	1,160	922	290	595	440
16	810	885	1,200	5,820	2,320	1,080	1,240	1,340	960	215	470	380
17	810	848	1,120	4,460	3,030	1,120	1,200	1,240	562	265	595	410
18	810	810	1,040	2,100	3,030	1,160	1,200	1,080	562	215	440	350
19	810	810	1,040	1,880	2,430	1,080	1,240	998	562	240	440	350
20	848	1,290	1,040	2,210	2,540	1,200	1,340	960	530	1,080	665	320
21	960	1,290	1,040	2,100	3,030	1,240	1,670	848	562	922	735	470
22	960	1,200	1,040	2,100	2,770	1,200	1,770	810	530	810	562	530
23	885	1,080	960	3,030	2,210	1,240	1,200	810	562	810	470	470
24	885	998	960	3,690	1,990	1,160	1,080	810	500	530	380	440
25	810	960	960	2,900	1,990	1,120	1,040	848	440	500	440	470
26	810	885	960	2,650	1,670	1,040	2,900	848	410	922	440	410
27	810	885	1,040	2,430	1,570	1,040	3,420	810	440	998	350	410
28	810	885	1,160	2,320	1,470	960	3,550	810	470	2,650	735	380
29	810	885	1,200	7,510	---	960	4,460	700	470	1,880	772	470
30	998	885	1,200	7,700	---	960	5,460	630	530	2,540	665	440
31	1,160	1,120	1,120	12,500	---	960	---	595	---	2,430	1,200	---

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Flint River at Culloden.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1	1.55	3.7	5.8	4.3	4.3	8.1	3.6	2.6	3.9	2.1	4.0	3.7
2	1.6	3.0	5.2	5.2	4.0	6.5	3.5	2.7	3.6	2.0	4.4	3.4
3	1.55	2.65	4.3	10.0	3.8	5.4	3.7	2.65	3.2	2.85	4.3	2.7
4	1.5	2.3	3.7	8.1	4.5	4.8	3.7	2.5	2.85	2.6	3.6	2.5
5	1.5	2.15	3.2	6.6	4.5	4.9	3.5	2.6	2.75	2.6	9.2	2.4
6	1.5	2.05	2.85	5.5	4.1	7.3	3.4	3.0	2.6	1.7	6.6	2.4
7	1.45	1.95	2.7	4.7	3.9	6.4	3.3	3.4	2.5	2.4	4.7	2.3
8	1.35	1.95	2.6	4.3	3.8	5.5	3.2	3.4	2.4	7.2	3.6	2.3
9	1.35	1.95	2.6	4.4	3.7			3.4	2.3	5.8	6.0	2.3
10	1.35	1.95	2.6	4.2	3.7		3.0	3.2	2.3	5.4	5.1	2.25
11	1.35	1.9	2.55	4.0	3.4	12.3	3.5	3.0	2.3	4.0	6.0	2.25
12	1.35	1.85	2.55	3.7	3.4	9.4	4.0	2.8	2.4	4.0	7.0	2.0
13	1.4	1.85	2.5	3.6	3.4	6.3	3.9	2.55	2.3	3.4	4.8	3.6
14	1.4	1.85	3.8	3.5	5.0	4.9	3.8	3.4	2.35	3.0	3.0	2.3
15	1.4	1.85	5.4	3.4	6.0	4.4	3.4	3.2	2.1	2.85	3.0	2.4
16	1.4	2.05	4.8	3.3	5.0	4.2	3.1	3.1	2.05	3.8	2.85	2.3
17	1.45	2.55	4.3	3.6	5.2	4.6	4.0	2.8	2.0	5.8	2.2	2.25
18	1.4	2.35	3.8	5.5	4.0	7.1	4.1	2.6	4.0	5.0	6.6	2.15
19	1.45	2.3	3.2	5.6	3.6	6.1	3.7	2.5	3.3	4.8	5.3	2.0
20	1.45	2.2	3.4	5.5	3.5	5.3	3.8	3.0	2.7	5.6	4.9	4.8
21	1.45	2.2	7.7	5.2	5.0	4.5	3.1	2.85	2.95	6.6	2.7	2.95
22	1.5	2.15		4.4	7.6	4.1	2.95	2.45	2.85	5.0	3.6	2.5
23	1.55	2.1	21.7	4.2	7.3	3.9	2.85	2.4	2.8	8.9	3.1	2.35
24	1.7	2.25		4.3	6.5	3.8	2.8	2.2	2.9	19.9	4.6	2.2
25	3.5	2.55		5.8	19.0	3.6	2.7	2.4	2.7		4.0	2.1
26	3.3	2.75	10.6	10.1	26.5	3.5	2.6	2.3	2.4	11.0	3.7	2.1
27	3.2	3.1	6.8	8.0		3.7	2.6	2.3	2.3	9.0	3.4	2.1
28	2.8	5.1	5.1	6.6	10.4	3.7	2.55	2.8	2.3	7.0	3.1	2.0
29	2.55	6.5	4.4	5.9		3.5	2.55	2.7	2.25	5.3	2.8	2.0
30	2.7	6.2	4.0	5.0		3.4	2.55	2.75	2.2	4.1	3.4	1.9
31			3.7	4.5		3.3				4.0	3.9	
1919-1920												
1	1.9	2.4	3.0	3.2	4.9		12.4	5.7				
1	1.9	3.6	2.9	3.2	4.5		14.8		3.3			
3	2.0	3.5	2.85	3.1	12.6		12.2					
4	2.5	2.9	2.75	3.0	14.0						6.2	
5	2.4	2.7	2.6	3.0	12.2				3.4		6.2	
6	2.3	2.6	2.55	2.95	10.2	5.0					4.5	
7	2.25	2.5	2.55	3.6	9.3						4.9	
8	2.0	2.4	7.4	4.6	7.2			6.0				
9	2.0	2.35		5.1	6.2				3.2			
10	2.0	2.4		5.3	5.8		5.0					
11	2.75	2.4		4.7	6.4							
12	2.7	2.7		4.3	6.1				2.9			
13	2.3	4.0	18.5	3.9	6.5	12.8		13.0				
14	2.25	3.5	12.3	3.8	6.0							
15	2.2	3.6	8.3	3.6	5.4			7.0				
16	2.15	3.6	6.4	3.7	5.0							
17	2.1	3.6	5.5	5.8	4.6		5.0		2.6			
18	3.3	2.8	4.8	5.8	4.4	20.0				7.4		
19	3.0	2.7	4.5	5.5	4.3	16.0		4.7	2.7	9.6		
20	3.0	2.5	4.2	4.8	4.2					7.5		
21	2.6	2.45	4.1	4.4								
22	2.6	2.4	4.0	4.1	4.0			4.05		6.2		
23	9.0	2.5	3.8	3.9					3.0	6.8		
24	6.2	2.4	3.7	3.7			4.2			6.0		
25	3.8	2.4	3.6	7.1			3.9			5.4		
26	3.5	2.4	3.5	11.5			3.8	3.8	2.95			
27	3.1	2.5	3.4	11.3		5.7	9.8					
28	3.8	2.5	3.4	10.8	3.7	6.9	9.0					
29	2.7	2.5	3.3	9.5		15.3	8.7	3.9				
30	2.6	2.5	3.2	7.4		18.2	7.4		2.4			
31	2.5		3.2	5.7		15.0						

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Flint River near Culloden.

[Drainage area, 2,000 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1911						
July	2,580	257	896	0.448	0.52	A.
August	9,840	257	1,480	.740	.85	B.
September	1,180	257	479	.240	.27	A.
October	13,000	165	1,180	.590	.68	B.
November	3,490	665	1,310	.655	.73	B.
December	14,200	700	2,880	1.44	1.66	C.
1912						
January	13,500	1,490	4,040	2.02	2.33	C.
February	12,000	1,790	5,340	2.67	2.88	D.
March		2,960	7,770	3.88	4.47	D.
April		2,010	5,890	2.94	3.28	D.
May	8,320	1,220	3,070	1.54	1.78	C.
June	7,720	930	3,470	1.74	1.94	C.
July	5,680	970	2,460	1.23	1.42	C.
August	6,400	810	2,140	1.07	1.23	C.
September	2,700	735	1,200	.600	.67	B.
October	2,700	890	1,450	.725	.84	B.
November	1,590	810	1,030	.515	.57	A.
December	6,220	970	1,820	.910	1.05	C.
The year		735	3,300	1.65	22.46	
1913						
February 3-28	7,520	1,590	3,060	1.53	1.48	C.
April	4,050	1,310	2,050	1.02	1.14	B.
May	2,010	890	1,230	.615	.71	B.
June	4,670	700	1,610	.805	.90	B.
July	5,000	665	1,910	.955	1.10	B.
August	2,960	598	1,160	.580	.67	B.
September	3,910	665	1,290	.645	.72	B.
1913-1914						
October	2,080	473	899	0.450	0.52	A.
November	875	730	789	.394	.44	A.
December	2,850	800	1,220	.610	.70	A.
January	4,400	1,040	1,530	.765	.88	A.
February	2,450	1,040	1,450	.725	.76	A.
March	3,590	1,220	1,770	.885	1.02	A.
April	7,800	875	1,930	.965	1.08	A.
May	875	360	570	.285	.33	A.
June	1,510	307	627	.314	.35	A.
July	2,710	257	855	.428	.49	B.
August	5,860	566	1,620	.810	.93	A.
September	1,560	307	622	.311	.35	A.
The year	7,800	257	1,160	.580	7.85	
1914-1915						
October	4,230	473	1,180	0.590	0.68	A.
November	10,600	534	2,050	1.02	1.14	B.
December	12,400	1,410	3,710	1.86	2.14	B.
January	15,400	1,840	5,360	2.68	3.09	B.
February	8,200	2,080	3,570	1.78	1.85	B.
March	8,200	1,510	2,640	1.32	1.52	A.
April	2,320	955	1,340	.670	.75	A.
May	8,800	800	2,210	1.10	1.27	A.
June	15,800	630	2,190	1.10	1.23	B.
July	9,000	534	2,190	1.10	1.27	B.
August	1,840	473	779	.390	.45	A.
September	1,170	307	630	.315	.35	A.
The year	15,800	307	2,320	1.16	15.74	

WATER POWERS OF GEORGIA

Monthly discharge of Flint River near Culloden.—Continued.

]Drainage area, 2,000 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1915-1916					
October.....	10,000	663	2,440	1.22	1.41
November.....	1,220	534	895	.448	.50
December.....	23,000	875	6,810	3.40	3.92
January.....	19,200	1,460	3,610	1.80	2.08
February.....	11,000	1,510	3,510	1.76	1.90
March.....	7,400	1,410	2,750	1.38	1.59
April.....	2,530	955	1,430	.715	.80
May.....	3,230	598	935	.468	.54
June.....	3,590	504	898	.449	.50
August.....	7,800	730	2,040	1.02	1.18
September.....	2,580	663	1,090	.545	.61
1916-1917					
October.....	3,550	530	833	0.416	0.48
November.....	2,540	595	875	.438	.49
December.....	3,840	1,080	1,790	.895	1.03
January.....	17,700	1,290	3,510	1.76	2.03
February.....	8,030	1,420	3,610	1.80	1.87
March.....	35,300	2,100	8,990	4.50	5.19
April.....	23,900	1,380	4,810	2.40	2.68
May.....	2,100	1,040	1,350	.675	.78
June.....	4,460	772	1,240	.620	.69
July.....	5,280	595	1,670	.835	.96
August.....	5,640	595	1,880	.940	1.08
September.....	7,530	500	1,460	.730	.81
The year.....	35,300	500	2,670	1.34	18.09
1917-1918					
October.....	9,600	810	1,530	0.765	0.88
November.....	1,290	810	935	.468	.52
December.....	1,200	922	1,060	.530	.61
January.....	12,500	960	3,360	1.68	1.84
February.....	11,200	1,470	3,480	1.74	1.81
March.....	1,470	960	1,210	.605	.70
April.....	5,460	885	2,220	1.11	1.24
May.....	6,750	595	1,470	.735	.85
June.....	1,570	410	695	.348	.39
July.....	2,650	215	797	.398	.46
August.....	5,460	350	1,150	.575	.66
September.....	1,420	320	686	.343	.38
The year.....	12,500	215	1,540	.770	10.44

FLINT RIVER NEAR MONTEZUMA, GA.

Location.—At the iron highway bridge about 1 mile west of Montezuma. This is the second or upper wagon bridge. It is above the mouth of Bucks Creek.

Drainage Area.—2,700 square miles.

Records Available.—October 1, 1904, to December 31, 1912.

Gage.—Chain gage attached to the upstream side of the bridge.

Discharge Measurements.—Made from the downstream side of the highway bridge.

Channel and Control.—The right bank will overflow for a great distance at a stage of about 12 feet. The overflowed portion is largely covered with a dense growth of brush. The left bank is not liable to overflow. The current toward the left bank becomes sluggish at low stages, and at times there is considerable back current near the bank. The bottom is somewhat shifting.

Cooperation.—Gage heights are furnished by the United States Weather Bureau.

Discharge measurements of Flint River near Montezuma.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1909	Feet.	Sec.-ft.
April 16.....	3.62	1,800	November 26.....	3.66	2,020
April 16.....	3.64	1,830	1910		
August 22.....	4.80	2,370	December 13.....	2.92	1,480
1908			1911		
January 3.....	14.05	10,300	July 25.....	2.98	1,690
1909			July 26.....	2.74	1,610
June 28.....	4.65	2,390	October 25.....	9.30	6,080
June 29.....	4.52	2,380	December 9.....	2.47	1,340
October 27.....	2.60	1,320	1912		
November 24.....	3.10	1,590	April 27.....	13.84	10,500

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Flint River near Montezuma.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	3,670	2,800	3,180	1,770	6,350	1,820	4,560	2,490	1,040	2,730	407	5,720
2	4,640	3,670	4,030	1,870	5,900	1,770	7,800	2,800	800	2,140	440	6,350
3	6,350	4,400	4,460	1,820	7,250	1,770	6,530	2,310	687	1,870	508	5,990
4	5,810	5,550	5,810	1,820	6,800	1,720	4,800	2,200	650	1,720	578	3,880
5	4,640	6,440	6,530	1,820	5,460	1,720	3,880	2,140	724	1,480	650	3,180
6	4,030	7,160	5,990	1,980	4,400	1,720	2,860	1,980	839	1,340	724	2,550
7	3,180	6,350	5,810	2,260	3,880	1,720	2,430	1,870	878	1,250	724	2,200
8	3,530	9,140	5,300	2,800	3,670	1,670	2,140	2,200	1,040	1,120	650	2,200
9	3,250	9,140	3,330	3,120	3,390	1,620	1,980	2,140	1,300	1,040	650	2,140
10	2,860	7,520	2,920	3,060	4,640	1,620	1,920	2,040	1,210	1,040	687	2,310
11	2,550	5,900	2,550	3,060	5,460	1,570	1,820	1,980	1,080	1,040	724	4,880
12	2,310	4,180	2,430	2,990	4,640	1,620	1,770	2,040	1,040	1,040	800	5,990
13	2,140	3,740	2,260	2,550	4,030	1,620	1,720	2,200	1,040	958	1,040	5,460
14	1,870	3,460	2,090	2,260	3,460	1,570	1,720	2,370	999	918	1,250	5,900
15	1,670	3,320	2,090	2,140	3,180	1,520	1,670	5,640	918	918	1,480	6,800
16	1,570	2,990	3,600	1,980	3,530	1,520	1,670	4,030	878	878	1,670	7,900
17	1,570	2,550	4,480	1,920	3,180	1,520	1,820	3,600	878	878	1,620	8,850
18	1,520	2,430	3,530	1,980	2,920	1,480	2,090	3,180	878	878	1,520	8,760
19	1,480	2,370	2,550	3,880	2,800	1,480	2,550	2,860	958	839	1,480	7,250
20	1,480	2,310	2,200	4,640	2,670	1,480	2,260	3,880	999	839	1,430	5,040
21	1,720	2,430	1,980	6,350	2,370	1,430	2,040	3,530	1,040	800	1,480	3,880
22	1,870	2,730	1,820	6,620	2,430	1,430	1,870	3,390	1,040	762	1,720	2,550
23	2,090	2,550	1,620	5,900	2,370	1,340	1,820	3,180	1,080	762	2,800	3,670
24	2,200	2,310	1,480	5,460	2,370	1,300	1,720	2,860	1,040	687	4,260	6,350
25	2,090	2,260	1,480	7,160	2,260	1,300	1,720	2,800	999	687	6,710	7,250
26	1,980	2,260	1,480	7,900	2,140	1,300	1,670	2,310	1,080	614	7,710	9,520
27	2,090	2,310	1,480	7,250	1,980	1,300	1,570	2,040	1,340	543	7,250	10,100
28	2,260	2,490	1,430	6,350	1,980	1,480	1,980	1,870	1,250	508	6,890	9,320
29	2,730	-----	1,480	5,720	1,870	2,370	2,490	1,720	1,430	474	5,120	7,250
30	2,550	-----	1,570	6,080	1,820	3,120	2,920	1,480	1,620	440	4,640	6,260
31	2,730	-----	1,670	-----	1,820	-----	2,550	1,210	-----	407	-----	5,460
1908												
1	8,090	3,880	5,380	4,260	12,700	3,460	1,620	1,720	3,390	1,340	2,550	1,480
2	9,140	7,900	4,880	3,880	11,100	3,180	1,520	1,670	2,310	1,300	2,550	1,520
3	10,300	9,720	4,400	3,740	9,140	3,060	1,620	1,520	1,980	1,300	2,310	1,570
4	8,380	13,300	4,100	3,670	7,710	2,860	1,770	1,480	1,870	1,250	2,200	1,620
5	7,900	11,900	3,880	3,670	6,350	2,610	2,310	1,380	1,770	1,250	2,090	1,920
6	6,350	9,140	3,810	3,600	4,640	2,550	2,610	1,480	1,720	1,210	1,980	2,140
7	6,800	7,710	3,670	3,600	3,530	3,460	2,800	1,980	1,670	1,160	1,870	2,090
8	7,250	6,530	3,600	3,530	3,180	3,180	3,460	2,670	3,810	1,120	2,370	1,980
9	8,560	5,460	3,600	3,390	3,120	2,860	4,030	2,550	4,180	1,160	2,260	1,820
10	8,940	5,040	3,530	3,320	3,060	2,490	4,480	2,370	3,530	1,520	2,090	1,720
11	9,520	4,800	3,390	3,180	2,990	2,260	4,560	2,140	2,860	1,770	1,920	1,670
12	8,180	5,300	3,320	3,120	2,990	2,090	4,800	1,980	2,310	1,980	1,820	1,670
13	6,800	6,170	3,180	3,060	2,920	2,920	4,030	1,870	1,980	1,870	1,770	1,720
14	6,260	8,090	3,120	2,920	2,920	2,310	3,530	1,770	1,770	1,770	1,720	3,250
15	6,890	9,520	3,060	2,800	2,860	1,980	3,250	1,620	1,520	1,720	1,720	2,260
16	6,350	9,140	2,920	5,210	2,800	1,870	2,920	1,520	1,380	1,670	1,870	1,980
17	5,460	7,710	2,860	6,800	2,800	1,820	2,550	1,380	1,300	1,670	1,980	1,770
18	4,880	6,170	2,800	8,180	2,670	1,820	2,310	1,300	1,160	1,570	1,980	1,670
19	4,180	10,300	2,800	8,280	2,610	1,820	1,980	1,210	1,080	1,520	1,870	1,570
20	3,880	10,100	2,730	7,710	3,810	1,770	1,770	1,080	999	1,520	1,770	1,520
21	3,810	8,760	2,730	6,890	3,880	1,770	1,920	999	958	1,480	1,720	1,520
22	3,810	7,250	2,670	6,170	3,600	2,200	1,820	1,720	918	1,380	1,620	1,520
23	3,740	7,160	2,860	5,210	3,180	2,310	1,720	1,980	1,040	1,340	1,570	1,670
24	3,740	7,070	7,160	5,810	3,120	2,490	1,670	1,820	1,120	1,300	1,520	4,960
25	3,740	6,800	8,660	6,890	2,990	3,180	1,570	3,120	1,120	1,250	1,520	5,900
26	3,670	6,620	12,700	7,800	2,920	2,800	1,770	4,100	1,210	1,250	1,520	7,620
27	3,670	6,350	14,200	9,140	3,250	2,260	1,980	5,550	1,380	1,250	1,480	8,180
28	3,600	6,080	12,200	13,000	3,180	1,980	2,200	6,800	1,480	1,300	1,470	7,800
29	3,460	5,810	8,470	20,800	2,920	1,820	1,980	7,710	1,520	1,480	1,480	7,250
30	3,390	-----	6,350	18,000	2,610	1,720	1,870	8,180	1,380	1,620	1,480	5,460
31	3,530	-----	4,880	-----	3,460	-----	1,770	7,250	-----	1,670	-----	3,180

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Flint River near Montezuma.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	2,760	1,860	5,570	4,990	6,500	2,640	2,080	4,520	1,080	1,540	1,340	1,640
2	3,270	1,860	4,750	4,750	6,000	2,350	2,880	3,550	1,180	1,440	1,240	1,740
3	3,200	1,800	4,140	4,590	6,940	2,130	2,940	2,460	1,240	1,380	1,280	1,800
4	3,080	1,800	3,840	4,520	8,020	2,820	2,640	3,760	1,240	1,380	1,240	1,690
5	2,880	1,800	3,620	4,220	8,110	4,590	2,520	5,230	1,240	1,340	1,140	1,580
6	3,010	1,860	3,410	3,840	7,030	5,740	2,400	5,910	1,240	1,240	1,080	1,540
7	3,080	2,080	3,340	3,550	6,160	6,080	2,130	6,420	1,140	1,140	1,080	1,540
8	2,940	3,620	3,690	3,340	4,910	5,070	2,520	6,940	1,140	1,040	1,040	1,640
9	2,820	3,920	4,290	3,990	4,440	3,550	3,140	5,570	1,080	1,040	1,040	1,690
10	2,640	4,750	4,910	4,830	3,340	2,640	3,840	4,220	1,080	1,040	990	1,800
11	2,580	6,760	5,820	5,480	2,990	2,350	4,360	3,550	1,140	990	990	1,740
12	2,520	9,470	6,420	4,750	4,290	2,240	5,230	3,010	1,140	990	1,040	1,860
13	2,580	13,200	12,600	3,990	4,910	2,130	4,250	2,640	1,080	990	1,080	1,800
14	2,460	11,900	14,200	3,480	4,290	2,080	3,690	2,820	1,040	990	1,140	1,860
15	2,350	9,470	15,100	3,270	3,410	2,350	2,820	3,270	1,040	1,040	1,140	2,020
16	2,400	8,870	15,500	3,690	2,700	3,200	2,460	4,220	1,040	1,080	1,140	2,180
17	2,580	8,870	14,300	3,410	2,350	2,940	2,350	4,520	1,540	1,140	1,180	2,400
18	2,820	10,600	11,900	3,200	2,080	2,640	2,180	4,060	2,180	1,480	1,140	2,300
19	2,940	11,800	10,500	2,940	2,020	2,460	1,960	3,010	2,640	1,580	1,080	2,130
20	3,010	11,200	8,870	2,760	2,130	2,240	2,080	2,520	2,300	1,440	1,080	2,300
21	2,880	8,200	8,680	2,580	4,520	2,180	2,240	2,180	2,020	1,380	1,180	2,400
22	2,700	8,110	9,370	2,520	5,230	2,460	1,960	1,960	1,910	1,330	1,140	2,520
23	2,580	8,580	11,900	2,460	4,830	3,010	1,860	1,740	1,740	1,380	1,280	2,580
24	2,460	8,200	12,400	2,300	3,990	4,360	2,080	1,640	2,940	1,380	1,440	2,520
25	2,400	7,660	11,400	2,940	3,480	3,620	2,400	1,540	3,270	1,480	1,580	2,130
26	2,240	8,390	9,990	3,340	2,700	3,340	2,350	1,440	2,880	1,440	1,640	2,240
27	2,130	7,300	8,200	4,590	2,400	3,080	2,080	1,380	3,480	1,440	1,800	2,180
28	2,020	6,850	7,120	5,740	2,640	2,520	2,020	1,380	2,240	1,380	1,910	2,400
29	1,960	-----	6,420	6,340	3,270	2,400	1,860	1,280	1,800	1,330	1,800	2,250
30	1,910	-----	5,570	6,590	3,690	2,240	1,740	1,240	1,690	1,340	1,690	2,240
31	1,910	-----	5,320	-----	3,270	-----	4,290	1,180	-----	1,340	-----	2,300
1911												
1	2,810	1,780	1,730	3,270	1,680	1,140	1,020	900	940	740	2,620	1,980
2	3,070	1,630	1,830	2,440	1,780	1,060	1,020	980	940	700	2,320	1,830
3	3,410	1,880	1,680	2,090	1,930	1,060	900	2,380	900	700	2,090	1,730
4	3,620	2,040	1,580	1,930	2,200	980	900	4,210	900	660	1,830	1,630
5	3,270	2,260	1,430	1,880	1,930	1,020	1,060	5,240	1,020	660	1,630	1,630
6	3,000	2,440	1,380	2,040	1,730	1,100	1,060	6,080	1,280	620	1,480	1,480
7	2,810	2,740	1,280	3,000	1,580	1,020	940	6,000	1,060	620	1,530	1,480
8	3,270	2,560	1,430	3,910	1,430	980	1,060	2,880	1,100	620	1,780	1,430
9	3,620	2,830	1,580	4,600	1,380	900	1,060	1,930	1,140	620	1,980	1,430
10	3,200	3,270	1,680	4,680	1,330	900	980	1,680	940	530	2,560	1,380
11	2,740	3,410	1,830	4,210	1,280	980	1,100	2,810	1,020	620	3,550	1,380
12	2,380	3,620	1,730	3,980	1,280	900	1,380	2,040	940	820	3,840	1,380
13	2,200	3,840	1,580	4,210	1,230	900	1,430	1,780	860	980	4,060	1,380
14	1,980	3,980	1,680	4,280	1,180	900	1,480	1,680	820	900	3,910	1,380
15	2,140	3,690	1,530	4,140	1,180	820	1,880	1,680	780	860	3,000	1,380
16	1,930	3,340	1,630	3,910	1,180	780	2,140	1,530	780	860	2,500	2,090
17	1,680	3,000	1,480	3,270	1,100	740	2,410	1,380	740	860	2,140	2,680
18	1,880	2,810	1,430	2,810	1,140	740	2,680	1,430	820	1,230	1,880	2,440
19	2,040	2,560	1,330	2,440	1,100	740	2,940	1,880	780	1,530	1,830	2,260
20	2,140	2,260	1,380	2,320	1,060	700	2,880	2,260	940	1,580	1,930	2,040
21	2,320	2,090	1,430	2,320	1,180	1,020	2,810	2,090	900	1,330	1,780	2,320
22	2,560	1,930	1,530	2,620	1,530	860	2,380	1,680	940	1,530	1,680	4,520
23	2,740	1,730	1,580	2,500	1,830	1,230	1,830	1,430	1,140	3,140	1,630	7,080
24	2,560	1,930	1,580	2,200	1,930	1,330	1,780	1,230	1,060	5,160	1,530	8,450
25	2,740	1,780	1,480	1,930	2,560	1,280	1,680	1,180	1,020	6,160	1,530	9,550
26	2,880	1,980	1,530	1,830	3,000	1,140	1,580	1,180	1,020	2,940	1,480	10,800
27	3,140	2,140	1,930	1,730	2,500	980	1,330	1,280	900	1,830	1,430	10,600
28	2,810	1,930	3,760	1,680	1,930	980	1,180	1,060	860	1,780	1,530	9,750
29	2,440	-----	5,000	1,680	1,480	1,100	1,100	980	820	2,320	1,830	8,650
30	2,200	-----	5,240	1,680	1,330	1,230	1,060	940	780	2,500	2,140	7,270
31	1,980	-----	4,280	-----	1,230	-----	980	940	-----	2,440	-----	5,740

Daily discharge, in second feet, of Flint River near Montezuma.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1	5,000	7,460	9,250	9,350	10,600	3,270	7,270	2,090	1,980	2,740	1,880	2,140
2	6,000	9,250	8,250	9,650	9,950	3,140	6,000	2,040	1,780	2,810	1,880	2,140
3	7,360	9,950	6,610	9,050	7,650	2,810	4,060	2,040	1,730	3,140	1,880	2,090
4	7,850	9,550	5,570	7,950	8,450	3,070	4,060	2,040	1,680	2,740	1,830	2,090
5	7,270	8,450	5,910	6,700	8,650	3,840	4,060	2,620	1,630	2,380	1,830	2,090
6	6,890	6,340	7,360	5,660	8,450	4,680	3,840	2,260	1,630	2,440	1,830	2,200
7	6,000	4,440	8,150	4,840	8,650	5,480	3,760	2,260	2,620	2,680	2,500	2,500
8	5,080	3,690	9,050	4,440	8,850	8,050	3,550	2,140	2,680	3,070	3,070	2,940
9	5,910	3,480	9,750	4,280	8,950	9,050	3,340	3,410	2,200	3,140	3,340	2,940
10	7,080	3,340	9,250	4,210	8,650	9,850	3,340	5,160	1,880	2,940	3,270	2,810
11	8,350	3,200	8,450	4,210	9,150	8,750	3,620	6,430	1,880	2,560	2,880	2,620
12	9,350	3,270	8,250	4,280	6,520	6,520	4,440	6,800	2,040	2,140	2,440	2,440
13	9,250	3,480	7,950	4,360	6,080	4,520	4,920	6,610	2,090	1,980	2,200	2,380
14	8,150	3,410	7,950	4,210	5,320	3,760	5,480	6,160	2,140	2,090	2,090	2,260
15	6,800	4,060	8,950	4,060	4,600	3,410	5,740	4,440	2,040	2,560	2,040	2,200
16	5,480	5,240	9,550	3,910	4,140	4,210	5,820	3,200	2,040	2,880	2,040	2,090
17	4,680	6,340	15,100	4,600	3,840	5,320	5,480	2,880	2,040	2,620	1,930	2,090
18	4,060	7,080	17,900	6,700	3,480	6,340	5,080	2,740	1,930	2,440	1,980	2,090
19	3,690	7,360	16,500	8,350	3,270	7,080	5,740	2,740	1,830	2,200	1,930	2,380
20	3,760	7,360	14,900	10,200	3,690	6,520	6,250	3,200	1,830	2,880	1,930	2,260
21	4,280	7,080	12,800	11,700	3,480	4,280	6,520	3,630	1,880	3,910	1,930	2,200
22	4,440	6,890	10,600	12,700	3,000	3,140	6,160	3,620	1,830	3,690	1,930	2,200
23	4,140	7,180	8,750	14,300	3,270	2,810	4,760	3,070	1,880	3,140	1,930	2,140
24	3,760	8,450	7,080	14,000	2,940	2,620	3,840	2,680	2,740	2,810	1,930	3,340
25	3,340	9,450	6,340	14,100	3,480	2,560	3,070	2,560	4,520	2,500	1,930	5,320
26	3,200	9,550	7,360	12,700	3,620	3,980	2,880	3,000	4,760	2,260	1,930	6,340
27	3,070	9,950	8,950	10,800	2,940	5,480	2,740	2,940	3,840	2,140	1,880	6,980
28	2,940	10,400	9,150	9,550	3,140	6,430	2,680	2,620	2,740	2,040	1,930	6,340
29	2,940	9,950	8,450	8,350	3,480	7,080	2,500	2,380	2,380	1,930	2,040	5,400
30	3,690	7,560	6,890	3,690	7,270	2,380	2,380	2,320	2,320	1,930	2,140	4,840
31	5,660	7,850	3,980	3,980	2,200	2,200	2,040	1,880	1,880	4,140		

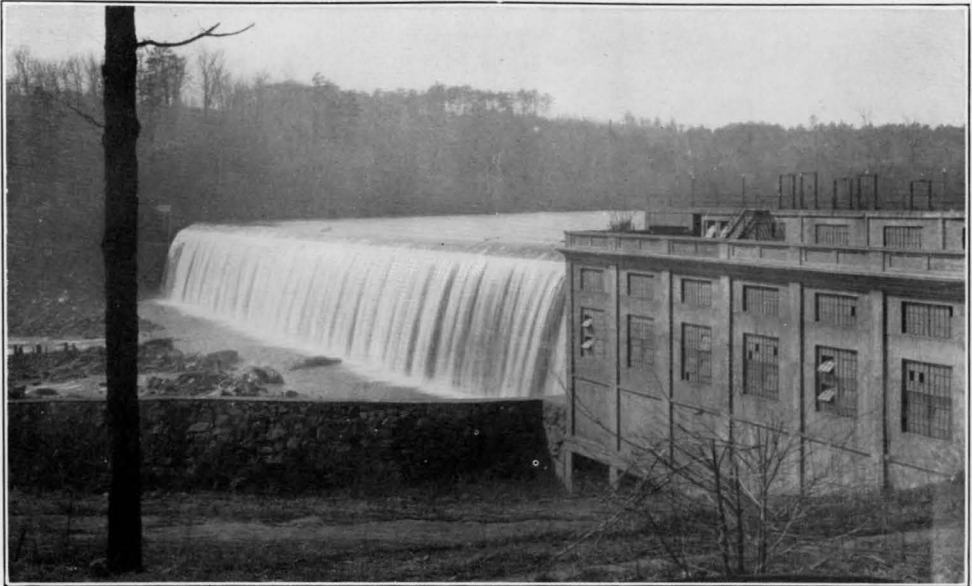
NOTE.—Daily discharge computed from a rating curve fairly well defined above 1,000 second-feet.

Monthly discharge of Flint River near Montezuma

[Drainage area, 2,700 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	6,350	1,480	2,720	1.01	1.16	
February	9,140	2,260	4,100	1.52	1.58	
March	6,530	1,430	3,030	1.12	1.29	
April	7,900	1,770	3,820	1.41	1.57	
May	7,250	1,820	3,580	1.33	1.53	
June	3,120	1,300	1,630	.604	.67	
July	7,800	1,570	2,590	.959	1.11	
August	5,640	1,210	2,590	.959	1.11	
September	1,620	650	1,030	.381	.43	
October	2,730	407	1,020	.378	.44	
November	7,710	407	2,250	.833	.93	
December	10,100	2,140	5,640	2.09	2.41	
The year	10,100	407	2,830	1.05	14.23	
1908						
January	10,300	3,390	5,940	2.20	2.54	
February	13,300	3,880	7,580	2.81	3.03	
March	14,200	2,670	4,960	1.84	2.12	
April	20,800	2,800	6,250	2.31	2.58	
May	12,700	2,610	4,160	1.54	1.78	
June	3,460	1,720	2,430	.900	1.00	
July	4,800	1,520	2,520	.933	1.08	
August	8,180	999	2,710	1.00	1.15	
September	4,180	918	1,820	.674	.75	
October	1,980	1,120	1,450	.537	.62	
November	2,550	1,480	1,870	.693	.77	
December	8,180	1,480	2,970	1.10	1.27	
The year	20,800	918	3,720	1.38	18.69	

NOTE.—Owing to poor gage readings the estimates for 1907 and 1908 can not be considered reliable. The annual means and some of the monthly means compare favorably with the stations at Albany and Woodbury, but for short periods the records at the last two stations are best.



DAM AND POWER PLANT, BARNETT SHOALS, ATHENS RAILWAY & ELECTRIC COMPANY, OCONEE RIVER, NEAR ATHENS, GEORGIA.



TALLASSEE SHOALS POWER PLANT, ATHENS RAILWAY & ELECTRIC COMPANY, OCONEE RIVER, NEAR ATHENS, GEORGIA.

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Flint River near Montezuma—Continued

[Drainage area, 2,700 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1909						
January	3,270	1,910	2,620	.970	1.12	B.
February	13,200	1,800	6,810	2.52	2.62	B.
March	15,500	3,340	8,170	3.03	3.49	B.
April	6,590	2,300	3,970	1.47	1.64	B.
May	8,110	2,020	4,280	1.59	1.83	B.
June	6,080	2,080	2,970	1.10	1.23	B.
July	5,230	1,740	2,700	1.00	1.15	B.
August	6,420	1,180	3,200	1.19	1.37	B.
September	3,480	1,040	1,690	.626	.70	C.
October	1,580	990	1,280	.474	.55	C.
November	1,910	990	1,260	.467	.52	C.
December	2,580	1,540	2,040	.756	.87	C.
The year	15,500	990	3,420	1.27	17.09	
1911						
January	3,620	1,680	2,630	0.974	1.12	B.
February	3,980	1,680	2,560	.948	.99	B.
March	5,240	1,280	1,950	.722	.83	B.
April	4,680	1,680	2,850	1.06	1.18	B.
May	3,000	1,060	1,590	.589	.68	B.
June	1,330	700	984	.364	.41	C.
July	2,940	900	1,510	.559	.64	C.
August	6,080	900	2,090	.774	.89	B.
September	1,280	740	938	.347	.39	C.
October	6,160	580	1,550	.574	.66	C.
November	4,060	1,430	2,170	.804	.90	B.
December	10,800	1,380	3,840	1.42	1.64	B.
The year	10,800	580	2,050	.759	10.33	
1912						
January	9,350	2,940	5,470	2.03	2.34	B.
February	10,400	3,200	6,750	2.50	2.70	B.
March	17,900	5,570	9,340	3.46	3.99	C.
April	14,300	3,910	7,870	2.91	3.25	C.
May	10,600	2,940	5,680	2.10	2.42	B.
June	9,850	2,560	5,180	1.92	2.14	B.
July	7,270	2,200	4,370	1.62	1.87	B.
August	6,800	2,040	3,300	1.22	1.41	B.
September	4,760	1,630	2,290	.848	.95	B.
October	3,910	1,880	2,610	.967	1.11	B.
November	3,340	1,830	2,140	.793	.88	B.
December	6,980	2,090	3,100	1.15	1.33	B.
The year	17,900	1,630	4,840	1.79	24.39	

FLINT RIVER AT ALBANY, GA.

Location.—At the Dougherty County highway bridge in Albany, 700 feet below Atlantic Coast Line Railroad bridge and 2 miles downstream from mouth of Muckalee Creek.

Drainage Area.—5,000 square miles.

Records Available.—April 10, 1893, to September 30, 1919 (United States Weather Bureau gage heights). Discharge measurements were begun by the Geological Survey in 1901, and determinations of daily discharge have been made from January 1, 1902, to September 30, 1915.

Gage.—Chain gage, installed at the bridge April 20, 1904; read once daily by D. W. Brosnan. Original staff gage was washed out in 1898. It was again damaged in 1902, and on June 18 of that year a new gage was installed by the United States Weather Bureau at a datum 0.75 foot lower than that of the former gage. All gage heights for 1902 refer to the new datum. Present gage conforms with the United States Weather Bureau gage.

Discharge Measurements.—Fairly accurate measurements can be made at the section at the Atlantic Coast Line bridge, although it is very rough and train switching in the yard interferes with the work. The section at the Georgia Northern Railway bridge, 1 mile above, at which measurements are sometimes made, is considered better, especially for medium and low stages.

Channel and Control.—Bed at and below gage may shift slightly, but control is such that conditions of flow are practically permanent. The river overflows both banks, but only under the approaches to the bridge.

Regulation.—Power developments on Muckalee Creek, which joins Flint River about 2 miles above station, cause considerable diurnal fluctuation, especially at low stages. Flow probably affected also by operation of other power plants farther up the river.

Discharge measurements of Flint River at Albany.

Date	Gage height.	Discharge	Date	Gage height.	Discharge.
1907	Feet.	Sec.-ft.	1911	Feet.	Sec.-ft.
January 18-----	2.59	4,240	October 24-----	2.55	4,340
January 18-----	2.52	4,050	December 8-----	.90	2,630
1908			December 8-----	1.04	2,750
January 1-----	13.44	17,700	1912		
June 9-----	4.36	6,110	April 26-----	27.30	46,100
1909			November 12-----	6.89	9,390
July 29-----	1.75	3,240	1918		
November 27-----	1.18	2,800	June 7-----	0.40	2,420
November 27-----	1.13	2,720	June 24-----	.45	2,410
1910			October 12-----	0.97	1,840
December 14-----	1.10	2,760			

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Flint River at Albany

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1-----	4.1	3.7	3.8	1.6	9.0	2.0	1.5	6.1	1.1	11.0	0.5	7.6
2-----	4.8	3.7	4.5	1.8	8.1	1.8	1.7	5.6	.8	9.5	.5	7.6
3-----	5.8	4.3	4.7	1.8	7.8	1.8	2.6	5.0	.6	8.0	.8	7.5
4-----	6.4	5.4	5.3	1.9	7.9	2.0	4.6	4.4	.5	5.4	.8	7.9
5-----	7.2	6.5	5.7	1.9	8.4	2.2	6.8	5.0	.7	4.0	.8	8.4
6-----	7.8	7.4	6.7	2.5	8.4	2.3	7.2	5.9	.7	3.2	.7	8.0
7-----	6.4	8.1	7.2	3.2	7.5	2.2	7.0	6.9	1.0	2.6	.9	6.6
8-----	5.4	8.8	7.4	4.5	6.3	1.9	6.8	7.6	1.3	2.3	.9	5.1
9-----	4.2	9.2	7.3	5.4	5.9	1.6	6.4	7.3	1.2	2.2	.8	4.3
10-----	3.7	10.3	6.2	6.0	5.8	1.3	4.2	6.2	1.6	2.0	.8	4.1
11-----	3.4	11.1	5.0	5.8	6.4	1.2	2.8	5.5	2.3	1.8	.7	5.0
12-----	3.2	10.8	3.8	5.2	7.5	1.1	2.0	6.3	2.3	1.5	1.0	6.0
13-----	3.2	10.4	3.8	4.2	7.7	1.1	1.7	6.9	2.0	1.5	1.5	6.5
14-----	3.1	8.8	3.4	3.3	7.8	1.3	2.3	7.5	2.0	1.4	1.7	11.4
15-----	2.9	6.0	3.2	2.9	7.6	1.8	2.5	8.7	1.8	1.4	1.7	13.5
16-----	2.6	4.3	3.3	2.7	6.0	2.0	2.3	8.8	1.6	1.3	1.9	13.0
17-----	2.3	3.5	3.5	2.5	5.8	1.8	2.8	8.6	1.3	1.2	1.9	15.8
18-----	2.3	3.3	4.3	2.4	5.8	1.5	2.8	8.0	1.2	1.1	2.0	15.3
19-----	2.7	3.2	4.9	2.5	6.3	1.2	3.0	6.0	1.2	1.0	1.8	14.2
20-----	3.4	3.5	5.2	3.5	7.3	1.1	3.5	5.8	1.1	1.0	1.6	13.0
21-----	2.7	4.0	5.0	5.5	7.2	1.0	4.0	5.8	1.1	0.9	1.9	11.6
22-----	2.2	3.8	4.4	7.0	6.3	.8	3.5	5.6	1.0	.8	2.2	10.7
23-----	2.2	3.7	3.4	7.7	4.6	.7	2.7	5.4	.9	.8	2.6	11.0
24-----	2.9	3.5	2.8	8.6	3.4	.6	1.9	3.8	.8	.8	4.6	11.6
25-----	2.6	3.5	2.4	9.5	2.8	.5	1.3	3.0	.8	.7	6.4	12.7
26-----	2.7	3.4	2.4	1.02	2.5	.6	1.2	2.6	1.0	.6	7.3	13.5
27-----	2.8	3.2	2.2	10.4	2.2	.7	1.1	2.0	1.3	.6	8.3	14.4
28-----	2.9	3.5	2.1	10.3	2.2	.9	1.0	1.7	1.6	.6	8.7	14.7
29-----	3.1	-----	1.8	10.3	2.1	1.2	2.4	1.5	2.1	.5	8.5	14.9
30-----	3.2	-----	1.8	10.0	2.1	1.4	3.9	1.4	9.1	.5	8.0	15.0
31-----	3.5	-----	1.7	-----	2.0	-----	5.1	1.4	-----	.5	-----	14.8
1908												
1-----	13.9	7.1	9.8	20.2	23.5	4.1	2.8	2.3	7.9	1.6	1.4	1.2
2-----	12.5	9.4	8.0	17.5	26.8	3.9	2.5	2.0	7.3	1.5	1.8	1.0
3-----	10.5	17.4	6.8	13.8	28.0	3.7	2.1	1.8	6.0	1.5	2.5	1.0
4-----	11.4	21.0	6.0	10.3	27.0	3.7	1.9	1.5	5.5	1.4	3.0	1.2
5-----	13.4	21.4	5.7	8.0	26.7	3.6	1.9	1.5	3.9	1.3	3.1	1.4
6-----	14.5	21.6	5.5	7.3	21.5	3.6	2.1	1.5	4.0	1.3	2.8	1.7
7-----	15.2	18.8	5.4	6.9	17.0	3.5	2.7	1.4	3.5	1.1	2.4	1.7
8-----	15.7	16.2	5.4	6.7	12.0	4.2	3.1	1.4	3.5	.9	2.1	1.8
9-----	16.3	15.4	5.3	6.5	9.2	4.5	3.3	2.0	3.6	.8	2.1	1.9
10-----	16.4	16.0	5.1	6.1	8.1	4.5	4.2	2.5	4.0	1.0	2.1	1.8
11-----	17.3	15.9	4.8	6.0	7.0	4.3	5.0	3.0	4.1	.8	2.0	1.6
12-----	16.8	13.9	4.6	5.8	7.0	3.8	5.4	3.2	3.9	.9	2.0	2.0
13-----	16.9	11.3	4.6	5.5	6.8	3.2	5.4	2.9	3.5	.9	1.9	2.4
14-----	16.9	10.8	4.5	5.0	6.2	3.0	5.3	2.4	3.2	.9	1.9	2.4
15-----	16.2	10.9	4.5	4.8	5.5	2.9	4.8	2.0	2.8	.8	1.8	3.3
16-----	14.8	13.0	4.4	5.0	5.2	2.7	4.0	1.8	2.3	.7	1.5	3.6
17-----	13.2	14.7	4.4	6.3	4.6	2.5	3.9	1.5	1.8	.7	1.3	3.4
18-----	11.0	15.3	4.2	7.7	4.1	2.2	3.9	1.3	1.5	.6	1.1	2.9
19-----	10.4	15.5	4.2	9.0	4.0	2.2	4.2	1.3	1.3	.6	1.3	2.5
20-----	9.7	16.0	4.2	9.6	3.8	2.5	4.5	1.2	1.3	.6	1.6	2.5
21-----	8.8	16.4	4.1	10.1	4.4	2.5	4.3	1.1	1.5	.7	1.9	2.3
22-----	8.0	16.7	4.4	10.3	4.5	2.3	4.0	1.0	1.7	.7	1.9	2.4
23-----	7.4	16.9	5.3	10.3	4.5	2.1	3.6	1.6	1.7	.6	1.7	2.8
24-----	7.2	16.5	11.0	9.0	4.4	2.1	3.1	2.1	1.6	.6	1.5	2.6
25-----	7.1	15.6	19.4	8.3	4.3	2.1	2.6	2.7	1.6	.6	1.5	2.2
26-----	6.8	15.0	23.1	9.3	4.9	2.0	2.4	4.3	1.6	.6	1.5	2.0
27-----	6.5	14.7	23.2	11.0	5.1	2.5	2.3	5.2	1.7	.6	1.6	2.2
28-----	6.5	14.5	22.1	15.0	4.9	3.1	2.5	6.1	1.7	.8	1.7	3.6
29-----	6.4	12.9	21.5	18.5	4.5	3.4	2.6	6.8	1.8	.9	1.7	5.6
30-----	6.4	-----	22.2	19.8	4.2	3.2	2.6	7.4	1.8	1.0	1.5	7.4
31-----	6.3	-----	21.8	-----	4.2	-----	2.4	7.8	-----	1.3	-----	7.4

WATER POWERS OF GEORGIA

Rating table for Flint River at Albany for 1906, 1907, and 1908.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.50	2,330	2.30	4,000	4.20	6,015	11.00	14,420
.60	2,420	2.40	4,100	4.40	6,245	12.00	15,750
.70	2,510	2.50	4,200	4.60	6,475	13.00	17,150
.80	2,600	2.60	4,300	4.80	6,705	14.00	18,630
.90	2,690	2.70	4,400	5.00	6,940	15.00	20,140
1.00	2,780	2.80	4,500	5.20	7,180	16.00	21,700
1.10	2,870	2.90	4,600	5.40	7,420	17.00	23,300
1.20	2,960	3.00	4,700	5.60	7,670	18.00	24,900
1.30	3,050	3.10	4,805	5.80	7,920	19.00	26,600
1.40	3,140	3.20	4,910	6.00	8,170	20.00	28,300
1.50	3,235	3.30	5,015	6.20	8,420	21.00	30,000
1.60	3,330	3.40	5,120	6.40	8,670	22.00	31,800
1.70	3,425	3.50	5,230	6.60	8,920	23.00	33,600
1.80	3,520	3.60	5,340	6.80	9,170	24.00	35,400
1.90	3,615	3.70	5,450	7.00	9,420	25.00	37,200
2.00	3,710	3.80	5,560	8.00	10,670	26.00	39,000
2.10	3,805	3.90	5,670	9.00	11,920	27.00	40,800
2.20	3,900	4.00	5,785	10.00	13,170	28.00	42,600

NOTE.—The above table is based on 25 discharge measurements made during 1903 to 1908 and is well defined below gage height 20 feet.

Daily discharge, in second feet, of Flint River at Albany

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1-----	9,300	3,260	13,900	11,700	11,500	4,080	3,660	3,980	2,090	3,260	1,920	2,800
2-----	5,780	3,160	13,200	10,700	12,300	3,980	3,560	4,980	2,000	3,080	1,920	2,980
3-----	3,760	3,080	11,800	10,000	14,600	3,980	4,080	5,210	1,920	2,980	1,840	2,980
4-----	3,660	3,080	11,300	9,420	16,700	3,980	4,080	5,100	1,920	2,980	1,670	2,800
5-----	4,200	2,980	9,170	8,920	15,500	3,760	3,860	4,520	1,920	2,800	1,670	2,800
6-----	4,980	2,980	6,940	6,940	13,300	3,660	3,560	4,200	1,920	2,540	1,590	2,620
7-----	5,210	2,980	5,900	6,360	12,500	4,200	3,460	4,200	1,750	2,360	1,590	2,540
8-----	5,780	2,980	5,670	6,700	12,000	5,560	3,460	4,860	1,590	2,090	1,510	2,540
9-----	5,560	2,900	5,440	7,180	10,700	6,820	3,560	6,360	1,510	1,920	1,670	2,620
10-----	4,860	4,080	6,940	7,670	9,040	6,710	4,520	7,540	1,430	1,750	1,750	2,540
11-----	4,420	8,170	9,670	8,040	7,920	6,860	6,480	7,920	1,430	1,670	1,840	2,360
12-----	4,300	10,200	9,040	8,920	7,180	5,900	6,700	7,670	1,430	1,590	1,750	2,360
13-----	4,630	10,900	8,420	8,670	5,900	5,210	7,180	6,360	1,430	1,590	1,750	2,800
14-----	4,300	12,700	10,400	8,170	5,320	4,420	7,300	5,900	1,430	1,670	1,750	3,260
15-----	3,980	14,400	15,600	7,540	5,560	4,080	6,820	5,440	1,590	1,670	1,670	3,460
16-----	3,760	19,200	20,300	6,820	6,020	3,560	5,780	4,420	1,670	1,750	1,670	3,460
17-----	3,860	20,500	24,100	6,480	6,360	3,160	5,440	4,860	1,510	1,920	1,750	3,560
18-----	3,860	21,700	28,800	6,240	6,320	2,980	5,320	5,670	1,590	1,920	1,920	3,560
19-----	3,860	17,200	31,800	6,240	6,590	3,770	5,210	5,900	1,590	1,840	1,920	3,760
20-----	3,760	10,300	32,500	6,130	6,020	3,860	4,640	5,670	2,260	1,670	1,840	3,760
21-----	3,760	13,400	32,300	5,670	5,320	3,860	4,200	4,640	3,080	1,510	1,750	3,860
22-----	4,080	13,200	30,000	5,210	4,980	3,980	3,980	4,080	3,260	1,510	1,750	4,080
23-----	4,080	15,800	30,000	4,860	5,560	4,420	3,760	3,460	3,660	1,510	1,840	4,080
24-----	3,980	18,800	31,100	4,640	6,240	4,420	3,760	3,160	3,460	1,590	1,840	3,860
25-----	3,980	18,300	31,400	4,860	6,940	5,210	3,460	2,980	3,460	1,750	1,840	3,760
26-----	3,860	14,900	29,700	5,560	6,480	6,240	3,360	2,900	3,460	1,750	1,920	3,980
27-----	3,660	14,200	28,500	6,360	5,670	6,700	3,360	2,720	3,360	1,920	2,090	3,980
28-----	3,560	13,900	26,600	7,420	5,100	6,020	3,980	2,540	3,660	2,000	2,180	3,760
29-----	3,560	-----	22,200	8,420	4,420	5,440	4,080	2,440	3,660	2,000	2,540	3,560
30-----	3,360	-----	18,600	9,420	4,200	4,800	3,860	2,360	3,460	2,000	2,720	3,360
31-----	3,260	-----	14,700	-----	4,200	-----	3,760	2,180	-----	1,920	-----	3,360

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Flint River at Albany.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1910												
1	3,380	5,210	11,900	3,200	4,750	2,760	5,560	3,380	1,550	1,700	1,400	2,090
2	3,290	6,480	12,500	3,110	4,190	2,670	5,320	3,200	1,550	1,700	1,400	2,090
3	3,110	8,170	13,300	3,110	3,870	2,500	5,320	3,110	1,700	1,700	1,400	2,090
4	3,020	8,920	13,400	3,110	3,570	2,250	5,440	2,840	1,850	1,700	1,550	2,090
5	3,020	8,920	12,900	3,020	3,380	2,010	5,900	2,840	2,170	1,700	1,700	2,010
6	3,020	7,920	12,700	3,020	3,200	1,930	6,240	2,760	2,760	1,930	1,700	2,250
7	3,200	6,820	12,300	3,110	3,110	2,250	7,920	2,670	2,930	2,090	1,700	2,420
8	3,290	6,360	11,700	2,930	2,930	2,500	9,170	2,670	2,840	2,170	1,780	2,420
9	3,290	5,670	12,500	2,930	2,840	2,170	9,420	2,580	2,500	2,580	1,780	2,330
10	3,110	5,100	13,300	2,840	2,840	2,010	8,800	2,420	2,330	2,500	1,780	2,670
11	3,020	4,860	12,700	2,760	2,840	2,010	7,540	2,840	2,500	2,420	2,010	3,570
12	3,020	5,670	8,420	2,760	3,290	2,500	6,940	3,570	2,930	2,250	2,010	3,670
13	3,200	5,210	6,700	2,760	3,480	3,110	5,670	4,080	3,380	2,250	1,930	3,380
14	3,380	4,860	6,020	2,760	3,290	3,670	5,320	4,860	3,770	2,330	1,850	3,020
15	3,570	4,860	5,670	2,760	3,110	5,210	4,860	5,780	4,080	2,330	1,780	2,760
16	3,570	4,750	5,670	2,840	3,020	6,590	4,300	5,560	4,080	2,330	1,780	2,670
17	3,380	4,750	5,580	3,670	2,760	6,940	4,190	4,410	3,380	2,330	1,700	2,580
18	3,200	5,320	5,100	4,300	2,500	7,180	4,190	3,770	2,670	2,170	1,700	2,670
19	3,200	5,320	4,750	4,980	2,330	6,940	4,080	3,380	2,500	2,010	2,010	2,420
20	3,110	5,780	4,640	8,040	2,250	6,940	3,770	3,200	2,090	2,010	2,010	2,250
21	3,570	7,540	4,410	10,200	2,170	5,780	3,770	3,110	1,850	1,930	2,010	2,250
22	3,770	9,300	4,190	14,600	2,090	4,750	3,670	3,110	1,780	1,780	1,930	2,670
23	3,770	11,500	3,770	16,300	2,500	4,190	6,940	2,840	1,700	1,620	2,090	2,760
24	3,980	12,300	3,570	16,700	2,840	4,080	6,940	2,670	1,700	1,480	2,420	2,840
25	4,080	12,700	3,570	14,600	3,380	4,080	6,480	2,170	1,620	1,400	2,760	2,580
26	4,190	12,900	3,380	10,000	3,110	3,980	5,440	1,930	1,550	1,400	3,020	2,420
27	4,190	12,800	3,290	7,540	2,930	3,980	4,860	1,850	1,550	1,480	2,930	2,330
28	4,190	12,200	3,290	7,060	2,930	3,980	4,410	1,850	1,550	1,700	2,670	2,250
29	4,410	-----	3,290	6,020	2,840	4,410	4,410	1,780	1,550	1,700	2,500	2,580
30	4,860	-----	3,200	5,210	2,840	4,980	3,980	1,620	1,620	1,550	2,170	3,110
31	5,210	-----	3,200	-----	2,760	-----	3,570	1,550	-----	1,400	-----	3,290
1911												
1	3,200	2,670	2,760	6,820	2,580	2,170	1,550	1,550	1,850	1,480	3,480	3,200
2	3,110	2,670	2,670	4,860	2,760	2,090	1,550	1,850	2,250	1,280	3,570	3,670
3	3,480	2,670	2,670	4,190	2,760	2,010	1,780	2,090	1,930	1,340	3,570	3,020
4	4,080	2,760	2,670	3,670	2,760	1,780	1,700	2,840	1,780	1,340	3,570	3,380
5	4,080	2,930	2,840	3,020	2,670	1,700	1,410	4,980	1,930	1,160	3,110	3,200
6	6,590	3,110	3,110	3,380	3,020	1,700	1,480	6,480	1,930	1,160	2,500	2,760
7	7,540	2,840	3,110	3,480	2,760	1,550	1,480	7,540	1,850	1,280	2,670	2,580
8	8,170	2,670	3,290	3,980	2,580	1,700	1,850	6,940	2,250	1,160	2,670	2,500
9	8,540	2,670	3,380	4,860	2,330	1,850	1,850	6,590	2,420	1,110	2,670	2,600
10	10,400	2,840	3,380	6,130	2,330	2,090	1,780	3,770	2,170	1,110	3,020	2,580
11	10,000	3,110	3,020	6,360	2,170	2,010	1,850	2,420	2,010	1,110	3,480	2,580
12	9,800	3,380	2,840	6,700	2,090	1,780	1,850	2,840	2,090	1,110	3,980	2,500
13	8,300	3,670	2,580	6,590	2,090	1,700	1,850	3,110	2,010	1,160	4,520	2,330
14	5,780	4,190	2,420	6,590	2,090	1,620	1,850	3,290	1,930	1,480	5,100	2,330
15	4,300	5,670	2,420	6,480	2,090	1,480	2,010	3,290	1,780	1,410	5,210	2,580
16	3,570	6,590	2,330	6,130	2,010	1,340	2,670	3,020	1,620	1,280	4,860	3,020
17	3,110	7,670	2,250	6,020	1,780	1,280	3,020	3,020	1,480	1,850	3,980	4,520
18	3,110	7,180	2,090	5,440	1,780	1,280	3,570	2,930	1,340	1,480	3,570	6,700
19	3,020	6,130	2,420	5,100	1,620	1,220	3,980	3,480	1,410	2,010	3,110	6,940
20	3,020	4,410	2,760	4,080	1,620	1,160	4,410	3,290	1,410	2,670	2,760	6,480
21	2,930	4,080	3,200	3,480	1,700	1,160	4,520	3,480	1,550	3,290	2,760	6,480
22	2,930	3,870	3,200	3,380	1,700	1,220	4,080	3,380	1,550	3,110	2,670	6,940
23	3,110	3,380	2,840	3,670	2,580	1,780	4,080	3,110	1,700	2,760	2,760	14,000
24	3,290	3,980	2,420	3,770	3,870	1,340	3,870	3,020	1,700	4,080	2,580	27,000
25	3,670	4,750	2,170	3,480	4,080	1,550	3,380	2,500	1,850	5,210	2,420	30,100
26	3,670	4,410	2,500	3,290	4,080	1,930	2,930	2,250	1,850	6,240	2,420	28,200
27	3,380	3,670	3,020	3,020	4,300	1,620	2,670	2,090	2,250	7,060	2,420	26,100
28	3,110	3,110	3,380	2,930	4,410	1,480	2,580	1,930	2,170	4,520	2,420	23,800
29	2,930	-----	4,190	2,840	3,980	1,620	2,090	2,010	2,010	3,380	2,500	22,600
30	2,930	-----	6,020	2,670	2,930	1,850	1,850	1,930	1,780	2,930	2,330	21,800
31	2,760	-----	6,700	-----	2,330	-----	1,505	1,850	-----	3,110	-----	19,800

NOTE.—These discharges were obtained from a rating curve which is well defined above 2,600 second-feet. Although the daily discharges compare fairly well with those at Woodbury, there are occasional discrepancies, and they should be used with caution.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Flint River at Albany.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1	18,000	13,000	22,600	18,300	24,700	6,020	9,540	3,770	4,410	6,020	4,190	5,210
2	15,900	13,200	21,300	17,600	19,200	6,360	9,670	3,870	3,980	6,360	4,410	5,440
3	14,600	13,500	18,600	17,200	13,700	6,020	9,920	3,570	3,670	7,060	4,410	5,210
4	14,000	14,900	17,600	17,200	13,000	5,780	9,170	4,410	3,480	7,540	4,190	4,860
5	14,900	15,900	15,100	17,000	12,400	5,320	7,420	5,900	3,110	6,360	4,080	5,440
6	15,600	16,400	14,200	14,300	12,400	5,100	7,670	6,480	3,020	5,100	4,080	5,900
7	15,100	15,900	16,200	12,900	12,200	6,480	7,300	6,240	3,020	4,640	5,320	6,130
8	15,300	12,800	18,500	12,300	14,300	9,800	6,700	5,440	3,380	4,640	11,300	6,700
9	24,900	9,920	18,900	9,540	15,600	12,500	6,240	5,560	3,980	4,860	15,600	6,820
10	35,500	8,170	19,400	8,670	17,400	13,900	6,020	6,240	4,190	5,440	15,200	6,820
11	39,000	7,670	19,100	8,670	17,600	14,700	6,020	7,920	3,870	5,100	11,900	6,700
12	34,300	7,670	20,000	8,300	15,900	14,300	6,240	9,920	3,380	4,640	9,920	6,130
13	28,800	7,300	21,300	8,540	13,500	13,300	7,060	11,500	4,190	4,860	8,170	5,780
14	25,400	7,670	22,300	8,540	12,400	13,500	7,420	11,300	4,520	6,240	7,060	5,440
15	23,800	9,300	22,100	8,800	11,200	11,700	7,920	10,800	4,410	6,240	6,240	5,100
16	22,300	10,400	28,800	8,300	10,200	8,800	8,670	9,670	4,300	7,800	6,020	4,980
17	19,400	11,700	34,600	8,300	8,670	7,670	9,800	7,420	4,190	10,800	5,210	4,980
18	15,900	12,000	33,900	10,200	8,040	8,170	11,300	6,360	3,980	10,000	4,520	4,980
19	13,000	12,400	32,500	14,200	7,540	8,540	12,200	5,560	3,870	8,670	4,300	4,980
20	11,800	12,800	36,800	17,200	7,180	8,920	12,200	5,560	4,190	7,920	4,300	4,860
21	11,200	13,200	42,100	26,500	6,820	9,420	11,500	6,020	4,410	7,920	4,980	5,320
22	10,900	15,600	43,300	33,500	6,360	8,920	10,700	6,590	4,520	8,670	4,860	5,230
23	9,800	17,900	40,900	51,900	5,900	6,480	10,000	7,180	3,870	8,920	4,640	5,320
24	9,670	18,200	35,700	53,200	5,780	5,210	8,920	7,420	4,410	8,300	4,640	6,240
25	9,540	18,900	31,900	50,600	5,440	4,980	7,420	6,700	6,020	7,920	4,860	8,420
26	8,670	21,000	25,600	46,700	5,210	4,860	6,020	5,900	7,670	6,590	4,640	9,800
27	8,420	22,800	20,600	43,500	5,210	5,670	5,210	5,100	8,420	5,100	4,410	11,400
28	7,670	23,200	17,000	39,200	4,860	6,700	4,520	5,560	8,040	4,640	4,410	12,700
29	7,300	22,800	16,600	35,700	4,860	8,300	4,080	6,020	6,820	4,520	4,300	13,000
30	8,800	-----	17,400	30,500	5,320	9,300	4,080	5,670	6,130	4,410	4,640	12,500
31	12,800	-----	17,900	-----	5,780	-----	3,980	5,100	-----	4,190	-----	11,000
1913												
1	10,300	9,670	11,400	19,100	5,560	3,380	3,020	8,670	4,080	-----	-----	-----
2	9,670	10,200	13,700	19,100	5,320	3,200	3,020	8,920	3,290	-----	-----	-----
3	10,300	10,700	18,300	18,900	5,320	3,670	2,930	8,170	3,020	-----	-----	-----
4	10,300	11,400	24,400	18,200	5,210	3,980	2,670	6,700	2,840	-----	-----	-----
5	10,000	12,400	25,600	15,600	5,100	4,410	2,670	6,480	2,760	-----	-----	-----
6	9,670	12,700	24,400	13,500	4,640	4,640	2,580	7,180	2,580	-----	-----	-----
7	8,670	12,900	23,200	11,800	4,520	5,210	3,020	6,820	3,110	-----	-----	-----
8	7,920	13,300	21,000	10,800	4,520	5,560	3,480	7,180	4,080	-----	-----	-----
9	7,540	13,500	16,900	10,200	4,410	5,900	3,290	5,900	5,780	-----	-----	-----
10	7,180	13,500	12,400	9,540	4,300	6,240	3,290	6,240	5,560	-----	-----	-----
11	7,060	12,300	10,200	8,800	4,300	6,480	3,020	7,060	4,750	-----	-----	-----
12	6,820	9,800	8,800	9,420	4,300	8,300	2,670	6,820	4,190	-----	-----	-----
13	6,590	8,670	8,800	12,500	4,300	8,670	2,840	5,320	3,870	-----	-----	-----
14	6,590	8,920	10,700	14,600	4,190	8,420	3,380	4,750	3,290	-----	-----	-----
15	6,480	9,670	17,200	16,300	4,190	7,180	4,410	4,410	3,020	-----	-----	-----
16	6,480	9,670	31,400	15,500	4,080	5,780	3,980	4,080	3,200	-----	-----	-----
17	6,240	9,420	40,900	13,800	4,080	5,320	3,770	4,410	3,980	-----	-----	-----
18	6,020	8,420	43,500	10,800	4,080	4,410	3,670	4,640	4,640	-----	-----	-----
19	5,900	7,540	48,000	9,540	4,080	3,980	3,570	4,750	4,080	-----	-----	-----
20	5,780	7,300	52,900	8,800	3,980	3,380	3,200	4,640	4,750	-----	-----	-----
21	5,780	7,180	53,700	8,170	3,980	3,110	3,020	3,980	5,560	-----	-----	-----
22	5,780	7,540	51,300	7,670	4,080	2,930	2,840	3,380	6,360	-----	-----	-----
23	5,780	8,420	47,400	7,180	4,520	2,930	2,840	3,200	6,700	-----	-----	-----
24	5,670	9,540	41,600	6,940	4,640	2,930	4,080	2,670	6,940	-----	-----	-----
25	5,670	10,200	36,800	6,480	4,640	2,840	6,590	3,110	6,480	-----	-----	-----
26	5,780	10,800	29,900	6,130	4,640	2,760	7,300	2,840	5,100	-----	-----	-----
27	5,780	10,800	27,000	6,130	4,640	2,760	8,040	3,200	4,080	-----	-----	-----
28	6,940	11,400	25,200	6,130	4,300	2,670	8,540	3,200	3,480	-----	-----	-----
29	8,670	-----	23,500	6,130	4,300	2,580	8,920	2,930	3,110	-----	-----	-----
30	8,920	-----	21,800	5,900	4,080	2,580	8,540	2,930	3,110	-----	-----	-----
31	9,300	-----	20,600	-----	3,770	-----	8,040	4,080	-----	-----	-----	-----

NOTE.—Daily discharge computed from a rating curve well defined between 2,000 and 24,000 second-feet and fairly well defined below 48,000 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Flint River at Albany.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913-1914												
1-----	2,670	3,200	2,580	4,190	3,770	9,420	4,520	3,020	1,550	1,930	2,580	2,420
2-----	2,840	3,020	2,500	4,750	3,770	10,700	4,410	2,840	1,550	1,700	2,420	2,500
3-----	3,110	2,840	2,670	5,320	3,570	11,900	4,410	2,670	1,410	1,620	2,500	2,420
4-----	3,110	2,930	2,670	5,780	3,290	11,900	4,640	2,580	1,620	1,410	3,020	2,420
5-----	2,930	2,930	2,760	6,130	3,670	11,900	4,980	2,330	1,850	1,410	2,840	2,250
6-----	2,840	2,760	3,110	6,590	3,770	11,900	4,860	2,250	1,930	1,550	2,670	2,500
7-----	2,670	2,580	3,480	6,940	5,210	11,200	4,640	2,420	1,850	3,480	2,670	2,420
8-----	2,580	2,500	3,290	6,480	7,670	10,400	4,300	2,420	1,850	1,850	2,580	2,500
9-----	2,420	2,500	3,570	5,560	9,920	9,920	4,300	2,580	1,700	2,170	3,110	2,170
10-----	2,250	2,500	3,770	5,100	10,000	8,920	4,190	2,500	1,850	2,420	3,980	2,010
11-----	2,170	2,580	3,770	4,640	10,000	8,040	4,190	2,420	1,780	2,670	4,080	1,850
12-----	2,090	3,380	3,770	4,080	9,040	7,420	4,520	2,250	1,700	3,110	4,750	1,930
13-----	2,090	3,290	3,570	3,980	7,920	7,420	4,520	2,170	1,550	4,410	5,210	1,780
14-----	2,250	3,020	3,570	3,870	8,040	8,040	4,410	2,170	1,780	3,290	5,670	1,780
15-----	2,250	3,020	3,770	3,770	8,420	8,920	4,410	2,010	2,010	2,500	6,130	1,700
16-----	2,500	3,020	3,380	3,380	8,800	9,670	4,300	2,010	1,850	2,250	6,240	1,780
17-----	2,090	3,020	3,290	3,110	8,800	9,420	4,300	1,930	2,010	2,500	6,480	1,620
18-----	2,090	2,840	3,380	3,020	7,420	8,920	4,190	1,850	2,090	3,570	5,900	1,850
19-----	2,010	2,840	3,110	2,930	6,700	7,800	4,860	1,850	2,330	4,410	5,780	1,930
20-----	1,930	2,670	3,200	3,110	6,360	6,820	6,820	1,700	2,010	5,100	6,240	2,090
21-----	2,250	2,580	3,380	3,380	6,820	6,360	8,040	1,620	2,330	6,240	6,020	2,090
22-----	2,500	2,500	3,380	3,380	6,700	6,360	7,800	1,550	2,840	6,480	6,130	2,670
23-----	3,380	2,580	3,110	3,570	6,360	6,700	6,590	1,480	3,290	4,860	5,760	2,930
24-----	3,570	2,580	3,020	3,980	6,130	6,360	4,860	1,480	2,840	3,980	4,750	2,840
25-----	3,870	2,760	3,020	4,410	6,360	5,670	4,080	1,480	2,500	2,930	4,520	3,020
26-----	4,520	2,760	3,380	4,520	6,590	5,560	3,870	1,550	2,170	2,580	4,190	3,480
27-----	4,980	2,670	3,670	4,980	7,180	5,210	3,870	1,550	2,250	2,250	4,080	3,980
28-----	4,860	2,580	3,980	4,980	7,920	4,980	3,770	1,480	2,090	2,330	3,770	4,640
29-----	4,520	2,580	3,980	4,640	-----	4,860	3,570	1,480	1,850	2,090	3,380	4,300
30-----	3,980	2,580	3,980	4,300	-----	4,520	3,290	1,410	1,930	1,930	3,020	3,980
31-----	3,980	-----	4,080	3,980	-----	4,520	-----	1,480	-----	1,930	2,930	-----
1914-1915												
1-----	3,290	2,500	9,920	8,920	16,200	10,400	6,360	3,380	5,780	2,420	1,780	2,010
2-----	3,200	2,500	12,400	9,800	16,200	9,670	6,700	3,290	5,440	2,670	1,700	2,090
3-----	3,380	2,330	14,200	10,200	16,000	9,170	6,940	3,380	5,320	2,980	1,700	1,930
4-----	3,980	2,250	14,700	10,400	15,900	8,670	6,820	3,200	7,060	3,480	1,550	1,850
5-----	5,440	2,330	16,300	9,920	15,500	8,420	6,700	3,020	8,300	4,750	2,010	1,780
6-----	5,780	2,250	15,600	8,670	15,800	9,170	6,130	3,020	9,800	5,900	2,420	1,620
7-----	5,320	2,250	14,300	7,920	15,600	10,300	6,020	2,840	10,900	5,210	2,580	1,620
8-----	4,520	2,330	12,800	8,040	15,500	11,200	5,670	5,210	11,500	5,210	2,670	1,850
9-----	4,190	2,580	11,500	8,800	14,300	11,800	5,210	8,670	10,000	5,900	2,760	2,090
10-----	3,570	2,250	11,300	9,300	12,800	12,500	4,860	10,400	4,980	7,060	2,330	2,330
11-----	3,200	2,170	12,400	9,420	11,300	13,000	4,520	11,300	3,770	8,800	2,090	2,250
12-----	3,020	2,330	13,700	9,300	10,200	12,700	4,750	13,000	3,380	9,670	2,250	1,850
13-----	3,020	2,330	12,800	9,170	9,170	11,000	4,410	15,200	3,290	9,420	2,170	1,620
14-----	3,020	2,500	10,500	8,920	8,670	9,300	4,300	15,900	3,020	9,170	2,090	1,780
15-----	3,020	2,930	7,540	8,920	7,920	8,040	4,300	15,800	3,020	8,170	2,090	1,700
16-----	4,300	3,380	6,820	9,300	7,920	7,420	4,080	14,400	3,200	5,900	2,170	1,700
17-----	5,670	3,670	6,590	9,920	8,300	6,480	3,770	12,500	3,670	3,980	2,250	1,850
18-----	6,820	5,100	6,240	12,000	9,300	6,480	3,770	10,400	4,080	3,670	2,500	2,010
19-----	7,670	5,780	6,240	14,700	10,000	6,480	3,570	7,060	3,770	3,200	2,670	1,850
20-----	6,820	6,700	6,360	17,000	10,400	6,240	3,670	5,560	3,670	3,020	1,780	1,700
21-----	6,360	6,590	6,360	17,400	10,300	6,130	3,670	4,860	3,980	2,760	2,170	1,700
22-----	6,020	6,480	5,210	18,800	9,540	5,900	3,480	4,300	3,380	2,760	2,840	1,850
23-----	5,210	5,900	4,980	21,300	8,540	5,670	3,380	3,980	3,200	2,760	3,290	2,010
24-----	3,670	4,520	4,980	22,300	8,040	5,670	3,380	3,670	2,760	2,840	3,110	1,700
25-----	3,380	3,480	4,980	22,800	8,540	5,440	3,380	3,570	2,670	2,760	3,110	1,620
26-----	3,200	3,020	5,100	21,000	9,540	5,440	3,290	3,480	2,330	2,670	2,930	1,410
27-----	3,110	2,840	5,100	17,700	10,400	5,320	3,200	3,110	2,420	2,420	2,580	1,340
28-----	3,290	2,840	5,560	15,100	10,700	5,560	3,200	3,110	2,330	2,250	2,250	1,480
29-----	3,020	3,980	5,780	15,200	-----	5,440	3,110	3,290	2,420	2,090	2,090	1,480
30-----	2,670	6,700	7,060	15,900	-----	5,320	3,380	4,190	2,330	2,010	1,850	1,480
31-----	2,580	-----	7,800	16,200	-----	6,020	-----	5,560	-----	1,930	2,010	-----

NOTE.—Daily discharge determined from a rating curve well defined between 2,500 and 48,000 second-feet.

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Flint River at Albany.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-1916												
1	-0.4	1.7	0.7	3.7	2.1	4.1	3.0	0.3	0.0	0.1	17.0	2.1
2	.5	.8	.6	5.2	2.5	4.0	2.5	.1	.3	.5	13.6	1.8
3	.0	.6	.5	7.7	3.5	5.0	2.4	.0	.4	.7	10.0	1.6
4	.6	.5	.4	10.2	5.5	5.8	2.3	.0	.5	1.0	7.9	1.4
5	.1	.4	.3	12.4	6.6	6.6	2.2	.1	.6	1.4	6.6	1.8
6	1.1	.3	.3	13.5	7.9	7.0	2.6	.2	.6	1.2	6.1	1.5
7	1.4	.3	.3	13.3	8.5	7.0	2.6	.2	.6	1.0	6.0	1.6
8	2.8	.2	.2	10.8	9.2	6.6	2.4	.2	.6	2.5	5.8	1.2
9	3.7	.1	.0	6.0	9.4	6.2	2.4	.3	.6	13.2	6.7	1.4
10	4.1	.1	.1	3.3	8.5	6.0	2.4	.3	.7	19.9	7.2	1.2
11	3.5	.1	.3	2.9	5.8	5.9	2.6	.4	.3	25.0	6.4	1.0
12	2.7	.1	.5	2.7	4.0	6.0	2.7	.5	.3	22.8	5.0	.9
13	1.9	.2	.5	2.6	3.6	6.0	2.5	.4	.8	22.3	3.8	1.4
14	1.1	.5	.4	2.6	3.4	5.6	2.4	.5	.7	24.7	3.4	1.1
15	.9	.9	.8	2.9	3.2	4.4	2.0	.6	.3	27.1	3.0	1.8
16	.5	.3	2.2	3.8	3.0	3.3	1.9	.6	.8	27.3	2.9	2.0
17	1.5	.2	1.4	4.9	3.2	3.1	1.8	.4	.7	26.2	3.6	2.7
18	3.1	.2	1.2	5.4	3.3	2.8	1.6	.5	.2	24.0	4.0	2.8
19	3.3	.8	1.5	5.0	3.2	2.6	1.5	.5	1.2	21.4	4.7	2.8
20	3.2	2.1	2.3	4.2	2.9	2.5	1.4	.6	1.5	18.1	4.2	2.3
21	1.6	1.7	4.0	4.0	2.5	2.5	1.4	.6	1.8	15.4	3.1	1.8
22	1.6	1.1	5.1	3.5	2.3	2.3	.8	.5	2.0	13.4	2.9	1.3
23	2.8	1.1	6.2	3.2	2.2	2.0	.8	.5	1.0	12.8	2.6	1.2
24	3.2	.9	8.0	3.2	2.2	2.0	.9	.5	.1	13.4	1.5	1.0
25	3.2	.8	9.4	3.0	2.4	2.0	.8	.0	.3	14.0	1.7	1.1
26	4.8	.6	11.5	3.0	2.5	1.9	1.0	1.0	.2	17.5	1.4	.2
27	5.3	.5	11.9	2.8	3.0	1.9	1.0	2.1	.1	21.5	1.1	.4
28	5.8	.5	9.9	2.6	3.4	1.9	.5	1.7	.0	22.6	1.0	.4
29	4.8	.6	4.0	2.5	4.2	2.2	.4	1.2	.1	22.2	1.2	.3
30	2.4	.8	3.0	2.2	-----	2.3	.3	.4	.1	21.0	1.6	.3
31	1.9	-----	3.4	1.9	-----	3.4	-----	.2	-----	19.5	2.6	-----
1916-1917												
1	0.3	0.2	0.4	2.1	11.0	11.3	16.3	2.3	1.0	1.9	1.5	1.3
2	.4	.2	.8	2.6	10.4	10.5	16.9	2.5	1.1	2.4	1.2	1.3
3	.4	.0	1.3	2.7	7.2	9.0	16.9	2.4	1.0	3.0	.8	1.4
4	.5	.1	1.9	2.5	6.0	7.2	16.0	2.2	.8	2.8	.7	2.0
5	.1	.1	1.6	1.6	5.6	8.0	13.8	2.8	.6	3.4	1.4	2.4
6	.1	.1	1.6	1.7	6.1	11.3	11.8	3.8	.4	3.3	3.4	2.5
7	.0	.2	1.4	2.0	5.8	13.7	10.1	4.6	.3	3.9	5.7	1.6
8	.1	.0	1.2	2.4	5.2	15.6	10.0	5.2	.2	3.8	6.2	1.6
9	.3	.2	.9	2.6	4.6	18.0	12.3	5.1	.3	3.0	7.0	.9
10	.5	.2	1.0	2.5	4.2	20.0	13.8	4.4	.4	2.0	7.5	.4
11	.5	.1	1.4	2.3	3.3	20.8	15.5	3.9	.1	1.8	7.4	.6
12	.5	.1	2.4	2.0	3.1	20.1	16.4	3.4	.1	1.8	6.8	.3
13	.3	.3	3.1	1.6	3.1	17.6	16.1	3.0	.9	1.4	6.0	.3
14	.1	.3	3.3	1.6	3.2	13.3	14.4	2.6	1.5	.5	5.4	.6
15	.4	.1	3.3	1.7	3.2	10.3	12.2	2.1	1.1	.5	3.7	.5
16	.4	.3	2.9	1.9	3.3	7.0	9.6	2.1	.6	.7	2.7	.4
17	.5	.4	2.5	1.6	3.0	6.2	7.5	1.6	1.0	.7	2.7	.3
18	.4	.1	2.2	2.4	4.5	5.6	6.4	1.4	1.6	.5	3.4	.0
19	.4	.0	2.0	2.6	6.8	5.5	5.6	1.2	1.1	.8	4.0	.2
20	.2	.0	2.0	3.4	9.0	5.0	5.0	1.0	.8	.8	4.5	.0
21	.1	.1	1.7	3.9	11.0	4.9	4.5	1.7	.0	2.8	5.2	.0
22	1.2	.2	1.7	4.4	13.2	5.0	4.2	.9	.2	4.6	5.7	.0
23	2.4	.2	1.7	4.5	15.3	4.8	3.9	.7	.0	5.2	5.8	.0
24	1.8	.3	1.6	4.8	15.4	5.4	3.4	.5	.1	5.1	6.7	.0
25	1.0	.3	1.5	6.3	14.6	6.6	3.4	.9	.3	4.5	6.0	.1
26	.5	.7	1.8	7.4	13.5	7.4	3.1	1.3	.7	3.6	4.4	.2
27	.2	.9	1.9	8.9	12.8	10.0	2.8	1.2	.9	3.3	2.5	.4
28	.9	.9	1.9	9.3	12.1	13.7	2.9	1.0	.4	2.9	1.4	1.2
29	.1	.6	2.4	9.6	-----	16.2	2.6	.7	.8	2.7	1.4	2.2
30	.1	.4	2.0	10.4	-----	16.5	2.3	.7	1.2	3.1	1.3	3.4
31	.1	-----	2.0	11.3	-----	16.4	-----	.8	-----	2.1	.9	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Flint River at Albany—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-1918												
1	3.4	0.4	0.5	1.6	5.2	3.0	1.1	6.4	0.3	1.4	3.6	0.8
2	4.6	.3	1.2	1.6	5.5	2.5	1.1	7.3	.4	1.2	4.6	.8
3	5.6	.3	1.6	1.9	6.4	2.4	1.3	8.2	.2	1.0	4.6	.8
4	6.1	.3	.8	1.1	8.5	2.4	1.4	8.6	.2	.6	4.0	1.2
5	6.5	.2	.6	.8	9.5	2.1	1.3	8.8	.4	.4	4.5	1.6
6	6.9	.1	.6	.9	11.1	2.0	1.4	8.8	.2	.3	4.9	1.8
7	6.5	.2	.4	.8	12.1	2.0	1.4	8.0	.3	.1	4.6	1.8
8	4.3	.1	.3	1.5	12.3	2.1	1.5	6.2	.4	.1	4.6	2.1
9	3.1	.1	.5	2.0	12.3	1.8	1.1	3.8	.8	.4	3.7	1.9
10	.9	.4	.6	1.9	10.7	1.8	1.7	3.0	1.0	.2	3.4	1.8
11	.8	.3	.5	2.0	8.4	1.9	2.9	2.3	.7	.3	2.8	1.7
12	.9	.2	1.4	2.5	5.8	1.6	4.0	2.8	.6	.1	2.2	1.7
13	.7	.0	1.5	2.8	4.4	1.5	5.1	1.5	.6	.2	1.8	1.2
14	.7	.3	1.1	3.3	4.3	2.0	5.5	1.2	.7	.3	1.4	.7
15	.4	.0	1.1	4.4	4.3	1.4	5.6	1.4	1.0	.4	.8	.4
16	.3	.0	1.4	5.0	4.6	1.4	4.3	1.5	.9	.4	.7	.0
17	.3	.1	1.3	6.0	4.5	1.2	2.3	1.6	.6	.5	1.0	.2
18	.4	.0	1.5	6.5	4.5	1.4	1.8	1.6	.3	.6	2.2	.0
19	.5	.1	1.4	7.1	4.7	1.6	1.6	2.2	.5	.5	3.6	.5
20	.6	.0	.9	7.0	4.9	1.7	1.4	2.6	.1	.0	3.1	.7
21	.4	.3	.6	7.0	5.6	1.4	2.0	2.3	.1	.2	2.0	.8
22	.1	.7	.9	6.3	4.9	1.3	2.3	1.2	.1	.2	1.6	.8
23	.1	.7	.8	5.0	4.5	1.5	2.3	.6	.0	.4	1.7	.8
24	.2	.9	.5	4.4	4.3	1.4	2.7	.3	.2	1.6	1.2	.4
25	.0	1.2	.3	4.3	4.3	2.0	1.8	.2	.0	2.4	.7	.1
26	.0	1.6	1.0	4.6	3.8	1.8	1.6	.2	.0	2.6	.3	.2
27	.4	1.2	1.2	4.6	3.3	1.2	2.0	.2	.1	2.0	.1	.3
28	.1	.7	1.5	4.6	2.9	1.4	3.0	.2	.2	1.8	.2	.3
29	.0	.2	1.9	4.4	-----	1.5	4.8	.2	.6	1.8	.4	.3
30	.1	.3	1.8	4.1	-----	1.3	5.3	.1	1.0	1.9	.4	.0
31	.2	-----	1.9	4.5	-----	1.2	-----	.1	-----	2.6	.6	-----
1918-1919												
1	0.2	1.6	7.5	17.9	12.0	24.4	5.7	2.2	5.6	3.0	23.4	5.4
2	.2	1.5	9.0	16.0	11.6	26.7	5.4	2.3	6.6	2.7	21.3	4.8
3	.1	1.8	9.5	13.1	10.7	27.8	4.9	2.6	7.3	1.9	17.8	5.5
4	.1	2.5	9.5	14.1	8.8	27.3	4.7	2.6	8.3	1.7	14.3	5.5
5	.4	2.3	9.2	15.5	7.5	25.5	4.6	2.6	9.2	1.4	13.2	4.9
6	.5	1.4	8.6	16.2	6.5	23.0	4.6	2.9	8.5	1.6	12.7	4.2
7	.5	.8	7.5	15.4	7.2	20.0	4.6	3.7	7.4	1.1	12.4	3.8
8	.3	.8	6.5	14.9	7.3	17.2	4.6	4.0	6.0	1.1	13.0	3.4
9	.5	.6	4.1	14.7	7.0	15.0	4.6	4.4	5.0	1.2	14.5	3.0
10	.5	.5	3.6	14.2	7.0	14.4	4.5	4.5	4.2	2.3	15.1	2.8
11	.6	.4	3.5	13.5	6.5	15.1	4.5	4.3	3.6	3.4	16.4	2.6
12	1.0	.3	3.3	11.5	5.7	15.1	4.5	4.0	3.0	4.5	18.3	2.4
13	1.0	.2	3.0	9.4	5.3	14.0	5.0	3.7	2.4	6.9	20.1	2.2
14	1.0	.2	3.1	8.4	5.3	14.1	5.6	3.0	2.5	7.7	22.1	1.9
15	.9	.1	3.5	7.5	5.6	14.9	5.8	3.0	2.9	8.0	22.7	2.8
16	.9	.0	3.5	6.5	6.5	15.2	5.8	3.4	3.3	7.1	22.2	3.4
17	.5	.0	5.0	6.5	7.0	15.2	5.8	3.4	3.1	5.8	20.3	3.0
18	.6	.2	6.7	6.5	7.5	14.7	5.6	3.2	2.7	4.6	18.0	2.8
19	.7	.5	7.6	7.0	8.0	13.2	5.6	2.9	2.8	5.0	15.8	2.4
20	.5	1.0	8.3	7.5	8.0	11.5	5.6	2.6	3.0	7.2	12.4	2.6
21	.5	1.1	8.5	8.0	7.9	10.8	5.7	2.4	3.0	9.0	10.4	3.0
22	.4	1.0	8.7	8.4	8.0	10.5	5.1	2.7	3.1	10.2	8.7	3.4
23	.4	.8	12.0	8.4	9.7	10.3	4.6	3.2	3.3	11.1	7.4	3.9
24	.3	.9	15.1	8.2	11.0	10.2	3.8	3.1	3.0	11.0	6.8	4.4
25	.3	1.2	17.4	8.1	12.4	9.3	3.5	3.1	2.6	12.5	6.4	4.1
26	.3	2.2	18.1	7.5	17.7	7.6	3.2	3.6	2.4	16.5	6.2	3.4
27	.5	2.8	19.9	7.8	23.5	6.7	3.0	3.6	2.7	19.1	6.2	2.6
28	2.3	4.0	22.0	8.2	24.4	6.5	3.0	4.0	2.8	20.1	6.8	2.3
29	2.5	5.2	23.0	9.2	-----	6.4	2.8	4.6	3.7	21.8	6.8	2.0
30	2.0	6.4	23.1	10.0	-----	6.0	2.5	6.0	3.7	23.3	6.8	1.5
31	1.8	-----	21.9	11.3	-----	5.7	-----	5.8	-----	24.1	6.4	-----

WATER POWERS OF GEORGIA

Monthly discharge of Flint River at Albany

[Drainage area, 5,000 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January-----	10,400	3,900	5,570	1.11	1.28	A.
February-----	14,600	4,910	7,960	1.59	1.66	A.
March-----	9,920	3,420	6,070	1.21	1.40	A.
April-----	13,700	3,330	7,330	1.47	1.64	A.
May-----	11,900	3,710	8,070	1.61	1.86	A.
June-----	4,000	2,330	3,140	.628	.70	A.
July-----	9,670	2,780	5,160	1.03	1.19	A.
August-----	11,700	3,140	7,510	1.50	1.73	A.
September-----	12,000	2,330	3,330	.666	.74	A.
October-----	14,400	2,330	4,180	.836	.96	A.
November-----	11,500	2,330	4,670	.934	1.04	A.
December-----	21,400	5,900	14,000	2.80	3.23	A.
The year-----	21,400	2,330	6,420	1.28	17.43	
1908						
January-----	23,800	8,540	15,600	3.12	3.60	A.
February-----	31,100	9,540	20,700	4.14	4.46	A.
March-----	34,000	5,900	13,000	2.60	3.00	A.
April-----	28,600	6,700	13,100	2.62	2.92	A.
May-----	42,600	5,560	14,100	2.82	3.25	A.
June-----	6,360	3,710	4,870	.974	1.09	A.
July-----	7,420	3,620	5,170	1.03	1.19	A.
August-----	10,400	2,780	4,560	.912	1.05	A.
September-----	10,500	3,050	4,870	.974	1.09	A.
October-----	3,330	2,240	2,700	.540	.62	A.
November-----	4,800	2,870	3,600	.720	.80	A.
December-----	9,920	2,780	4,420	.884	1.02	A.
The year-----	42,600	2,420	8,890	1.78	24.09	
1909						
January-----	9,300	3,260	4,350	0.870	1.00	B.
February-----	21,700	2,900	10,900	2.18	2.27	A.
March-----	32,500	5,440	18,600	3.72	4.29	A.
April-----	11,700	4,640	7,380	1.48	1.65	A.
May-----	16,700	4,200	8,090	1.62	1.87	A.
June-----	6,820	2,980	4,690	.938	1.05	B.
July-----	7,300	3,360	4,520	.904	1.04	B.
August-----	7,920	2,180	4,650	.930	1.07	B.
September-----	3,660	1,430	2,280	.456	.51	C.
October-----	3,260	1,510	2,020	.404	.47	C.
November-----	2,720	1,510	1,850	.370	.41	D.
December-----	4,080	2,360	3,260	.652	.75	C.
The year-----	32,500	1,430	6,050	1.21	16.38	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Flint River at Albany.—Continued.
[Drainage area, 5,000 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1910						
January.....	5,210	3,020	3,570	0.714	0.82	B.
February.....	12,900	4,750	7,580	1.52	1.58	A.
March.....	13,400	3,200	7,450	1.49	1.72	A.
April.....	16,700	2,760	5,870	1.17	1.30	A.
May.....	4,750	2,090	3,030	.606	.70	B.
June.....	7,180	1,930	3,940	.788	.88	B.
July.....	9,420	3,570	5,630	1.13	1.30	A.
August.....	5,780	1,550	3,050	.610	.70	B.
September.....	4,080	1,550	2,330	.466	.52	B.
October.....	2,580	1,400	1,920	.384	.44	B.
November.....	3,020	1,400	1,980	.396	.44	B.
December.....	3,670	2,010	2,600	.520	.60	B.
The year.....	16,700	1,400	4,060	.812	11.00	
1911						
January.....	10,400	2,760	4,770	0.954	1.10	B.
February.....	7,670	2,670	3,970	.794	.83	B.
March.....	6,700	2,090	3,050	.610	.70	B.
April.....	6,820	2,670	4,550	.910	1.02	B.
May.....	4,410	1,620	2,640	.528	.61	C.
June.....	2,170	1,160	1,640	.328	.37	C.
July.....	4,520	1,410	2,490	.498	.57	C.
August.....	7,540	1,550	3,320	.664	.77	C.
September.....	2,420	1,340	1,860	.372	.42	C.
October.....	7,060	1,110	2,380	.476	.55	C.
November.....	5,210	2,330	3,220	.644	.72	B.
December.....	30,100	2,330	9,550	1.91	2.20	B.
The year.....	30,100	1,110	3,630	.726	9.86	
1912						
January.....	39,000	7,300	16,800	3.36	3.87	B.
February.....	23,200	7,300	14,000	2.80	3.02	A.
March.....	43,300	14,200	24,600	4.92	5.67	B.
April.....	53,200	8,300	22,100	4.42	4.93	B.
May.....	24,700	4,860	10,600	2.12	2.44	A.
June.....	14,700	4,860	8,560	1.71	1.91	A.
July.....	12,200	3,980	7,900	1.58	1.82	A.
August.....	11,500	3,570	6,600	1.32	1.52	A.
September.....	8,420	3,020	4,580	.916	1.02	A.
October.....	10,800	4,190	6,500	1.30	1.50	A.
November.....	15,600	4,080	6,230	1.25	1.40	A.
December.....	13,000	4,860	6,890	1.38	1.59	A.
The year.....	53,200	3,020	11,300	2.26	30.69	
1913						
January.....	10,300	5,670	7,410	1.48	1.71	A.
February.....	13,500	7,180	10,300	2.06	2.14	A.
March.....	53,700	8,800	27,200	5.44	6.27	B.
April.....	19,100	5,900	11,100	2.22	2.48	A.
May.....	5,560	3,770	4,450	.890	1.03	A.
June.....	8,670	2,580	4,540	.908	1.01	A.
July.....	8,920	2,580	4,300	.860	.99	A.
August.....	8,920	2,670	5,120	1.02	1.18	A.
September.....	6,940	2,580	4,260	.852	.95	A.

WATER POWERS OF GEORGIA

Monthly discharge of Flint River at Albany.—Continued

[Drainage area, 5,000 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1913-1914						
October.....	4,980	1,930	2,950	0.590	0.68	A.
November.....	3,380	2,500	2,790	.558	.62	A.
December.....	4,080	2,500	3,360	.672	.77	A.
January.....	6,940	2,930	4,480	.896	1.03	B.
February.....	10,000	3,290	6,790	1.36	1.42	B.
March.....	11,900	4,520	8,120	1.62	1.87	B.
April.....	8,040	3,290	4,720	.944	1.05	A.
May.....	3,020	1,410	2,020	.404	.47	B.
June.....	3,290	1,410	2,010	.402	.45	B.
July.....	6,480	1,410	2,930	.586	.68	B.
August.....	6,480	2,420	4,300	.860	.99	A.
September.....	4,640	1,620	2,530	.506	.56	B.
The year.....	11,900	1,410	3,900	.780	10.59	
1914-1915						
October.....	7,670	2,580	4,250	0.850	0.98	A.
November.....	6,700	2,170	3,560	.712	.79	A.
December.....	16,300	4,980	9,180	1.84	2.12	A.
January.....	22,800	7,920	13,000	2.60	3.00	B.
February.....	16,200	7,920	11,500	2.30	2.40	A.
March.....	13,000	5,320	8,080	1.62	1.87	A.
April.....	6,940	3,110	4,530	.906	1.01	A.
May.....	15,900	2,840	6,800	1.36	1.57	A.
June.....	11,500	2,330	4,730	.946	1.06	A.
July.....	9,670	1,930	4,440	.888	1.02	B.
August.....	3,290	1,550	2,320	.464	.53	B.
September.....	2,330	1,340	1,780	.356	.40	C.
The year.....	22,800	1,340	6,170	1.23	16.75	

FLINT RIVER AT BAINBRIDGE, GA.

Location.—At county wagon bridge half a mile from Bainbridge and about 25 miles above confluence of Flint and Chattahoochee rivers.

Drainage Area.—7,410 square miles (United States Weather Bureau.)

Records Available.—January 1, 1908 to December 31, 1913.

Gage.—Standard chain gage attached to highway bridge.

Channel and Control.—Bed soft and likely to shift, but appears to have remained fairly permanent, as indicated by constancy of discharge relation.

Discharge measurements of Flint River at Bainbridge.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1908	Feet.	Sec.-ft.	1911	Feet.	Sec.-ft.
June 11.....	8.50	8,260	October 23.....	3.04	3,630
August 18.....	5.55	5,440			
1909			1912		
July 31.....	5.13	5,200	November 13.....	11.57	14,000
November 29.....	3.57	4,030			
November 29.....	3.62	4,120			

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Flint River at Bainbridge.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1						9,540	6,750	6,750	-----	5,610	5,050	4,970
2						9,320	6,390	6,570	-----	5,370	5,530	4,970
3						9,320	6,220	6,300	-----	5,290	5,780	4,970
4						9,000	6,130	6,220	8,570	5,210	5,780	4,970
5						8,780	6,300	5,870	7,230	5,130	5,530	5,130
6						8,680	6,480	5,960	7,030	5,290	5,530	5,210
7						8,680	6,750	5,960	6,840	4,890	5,530	5,290
8						8,570	7,030	5,960	6,840	4,820	5,610	5,370
9						8,570	7,230	6,220	6,840	4,820	5,780	5,210
10						8,680	7,530	6,390	7,030	4,820	5,870	5,050
11						8,260	8,050	6,940	7,430	4,890	5,700	5,050
12						8,160	8,470	7,130	7,530	4,970	5,530	5,130
13						8,160	8,680	6,840	7,130	5,210	5,370	5,210
14						8,050	8,780	6,480	6,750	5,450	5,290	5,290
15						7,950	8,780	6,130	6,390	5,780	5,130	5,610
16						7,640	8,470	5,870	6,040	5,210	4,970	5,960
17						7,330	8,260	5,610	5,870	5,130	4,890	6,130
18						7,030	8,160	5,450	5,610	5,050	5,050	5,960
19						6,840	7,530	5,210	5,530	4,970	5,290	5,700
20			9,660			6,840	7,330	5,370	5,530	4,820	5,290	5,450
21			9,430			6,840	7,330	5,050	5,530	4,740	5,290	5,290
22			9,430			6,840	7,840	5,130	5,290	4,740	5,210	5,210
23			9,880			6,840	8,050	6,220	5,130	4,740	5,050	5,210
24						6,840	8,050	6,570	5,530	4,740	5,050	5,210
25						6,840	7,430	6,390	5,610	4,740	5,050	5,450
26					9,880	7,230	7,230	7,230	5,610	4,740	5,050	6,220
27					9,660	7,230	7,030	8,570	5,610	4,740	4,970	6,750
28					9,660	7,430	7,430	9,880	5,610	4,740	4,820	7,530
29						7,330	7,740	-----	5,610	4,740	4,820	8,160
30						7,030	7,740	-----	5,610	4,740	4,820	8,780
31					9,770	-----	7,130	-----	-----	4,820	-----	9,320
1909												
1	9,100	5,050				7,030	5,610	5,130	4,120	4,520	3,740	4,050
2	7,640	5,050				7,030	5,530	5,780	3,990	4,310	3,800	3,990
3	7,030	5,050				6,570	5,370	6,390	3,990	4,250	3,080	3,930
4	6,300	4,890				6,220	5,610	6,390	3,930	4,050	3,560	3,930
5	6,300	4,820	9,100			6,040	5,960	5,780	3,990	3,990	3,620	3,860
6	6,300	4,820	8,570			6,390	6,040	5,870	3,930	3,930	3,680	3,990
7	6,300	4,820	8,160	9,880		6,750	5,610	6,390	3,800	3,860	3,680	4,050
8	6,480	4,820	7,840	9,430		7,430	5,450	6,940	3,930	3,800	3,620	4,120
9	7,530	5,210	7,840	9,320		7,840	5,450	7,530	3,930	3,740	3,740	3,990
10	7,130	5,870	8,050	9,320		8,050	5,450	8,160	3,860	3,800	3,680	3,860
11	6,300	6,300	8,360	9,660		7,640	5,870	8,470	3,800	3,680	3,680	3,800
12	6,130	7,430	9,000		9,100	6,750	6,660	8,260	3,800	3,680	3,620	3,930
13	5,960	8,680	9,660		8,360	6,220	7,230	7,640	3,860	3,740	3,620	4,050
14	5,870	9,880			8,160	5,700	7,740	6,840	3,930	3,800	3,620	4,180
15	5,700			9,660	8,360	5,530	8,260	6,300	3,930	3,620	3,620	4,250
16	5,700			9,100	8,160	5,370	7,840	6,300	3,930	3,560	3,680	4,250
17	5,700			8,780	7,950	5,210	7,430	6,300	3,860	3,560	3,800	4,180
18	5,700			8,570	7,230	5,210	7,330	6,750	3,860	3,500	3,680	4,310
19	5,700			8,470	6,750	5,700	7,230	6,840	3,930	3,500	3,620	4,450
20	5,700			8,160	6,660	5,870	6,940	6,750	4,310	3,500	3,620	4,590
21	5,870			7,740	6,660	6,040	6,300	6,390	4,590	3,740	3,620	4,590
22	6,040			7,430	7,230	6,040	6,040	5,780	4,740	3,860	3,560	4,590
23	6,040			7,130	7,640	6,040	5,870	5,370	4,820	3,800	3,620	4,670
24	5,870			7,030	8,050	6,040	5,780	5,050	4,740	3,800	3,620	4,740
25	5,700			7,130	8,050	6,130	5,780	4,890	4,520	3,860	3,620	4,740
26	5,700			7,230	8,050	6,660	5,700	4,670	4,740	3,930	3,680	4,670
27	5,530			7,740	7,330	6,750	5,610	4,520	5,050	3,930	3,740	4,520
28	4,450			8,260	6,940	6,840	5,780	4,380	5,130	3,740	3,860	4,590
29	5,370			9,100	6,750	6,390	5,780	4,310	5,210	3,800	3,990	4,670
30	5,290			9,880	6,660	5,870	5,610	4,180	4,890	3,740	4,050	4,740
31	5,210				6,660	-----	5,210	4,050	-----	3,680	-----	4,740

NOTE.—These discharges are based on a rating curve that is well defined between 3,800 and 9,880 second-feet. All discharges for missing days are above 9,880 second-feet.

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Flint River at Bainbridge.—Continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1910												
1	4,670	5,450	-----	5,210	6,040	4,120	4,740	7,030	3,800	3,120	3,070	3,440
2	4,590	6,570	-----	5,130	5,870	4,250	4,970	6,750	3,560	3,120	3,070	3,680
3	4,520	7,230	-----	5,050	5,610	4,450	5,210	6,390	3,560	3,170	3,070	3,680
4	4,520	7,740	-----	4,970	5,450	4,250	5,530	5,870	3,680	3,120	3,070	3,440
5	4,590	7,840	-----	4,890	5,290	3,990	5,780	5,450	3,930	3,740	3,070	3,620
6	4,450	7,030	-----	4,890	5,450	3,800	5,870	5,050	4,120	3,620	3,070	3,440
7	4,380	6,300	-----	4,820	5,290	3,680	5,700	4,820	4,520	3,440	3,070	3,390
8	4,450	6,040	-----	4,670	5,050	3,560	5,610	4,670	4,970	3,330	3,070	3,500
9	4,450	5,960	-----	4,740	4,740	3,440	5,450	4,670	5,370	3,390	3,120	3,620
10	4,380	5,780	-----	4,670	4,740	3,560	6,220	5,050	4,820	3,330	3,230	3,860
11	4,310	5,960	-----	4,590	4,820	3,740	6,750	4,820	4,310	3,230	3,280	4,050
12	4,310	6,130	-----	4,740	4,740	3,800	7,230	4,970	4,050	3,620	3,230	4,250
13	4,450	5,780	-----	4,590	4,590	3,990	7,740	4,970	3,990	3,680	3,230	4,180
14	4,590	5,450	-----	4,590	4,450	4,380	7,530	4,740	4,180	3,680	3,230	3,990
15	4,670	5,370	9,100	4,740	4,590	4,670	6,940	4,590	3,930	3,680	3,170	3,930
16	4,590	6,130	7,530	4,670	4,590	4,520	6,570	4,450	4,120	3,620	3,120	3,800
17	4,450	6,220	7,330	4,890	4,450	4,590	6,220	4,250	3,860	3,500	3,120	3,680
18	4,310	6,220	7,130	5,290	4,380	5,530	6,570	4,180	3,560	3,440	3,120	3,620
19	4,380	6,480	7,330	6,040	4,310	6,130	5,700	4,050	3,620	3,330	3,120	3,560
20	4,520	6,300	6,840	6,390	4,180	6,840	5,530	4,050	3,930	3,330	3,230	3,680
21	4,380	6,390	6,300	8,680	4,180	7,330	5,610	3,990	4,120	3,330	3,280	3,800
22	4,310	6,570	6,220	-----	4,120	7,740	5,780	3,930	4,380	3,280	3,330	3,860
23	4,380	7,950	6,390	-----	4,050	6,840	6,130	3,930	4,310	3,170	3,680	3,860
24	4,450	8,780	6,130	-----	4,250	6,220	6,570	4,050	4,120	3,120	3,740	4,120
25	4,590	9,540	5,960	-----	4,180	5,700	7,130	4,250	3,860	3,070	3,620	3,990
26	4,740	-----	5,700	-----	4,250	5,530	6,750	4,670	3,680	3,070	3,440	3,860
27	4,890	-----	5,610	-----	4,310	5,290	6,300	4,890	3,500	3,070	3,440	3,800
28	5,050	-----	5,530	7,740	4,250	5,050	6,220	4,820	3,390	3,120	3,500	3,800
29	5,050	-----	5,370	6,570	4,180	4,890	6,390	4,670	3,330	3,120	3,330	3,930
30	5,210	-----	5,290	6,220	4,050	4,670	6,570	4,380	3,170	3,120	3,330	3,930
31	5,370	-----	5,210	-----	3,990	-----	6,840	3,990	-----	3,070	-----	3,930
1911												
1	3,900	4,170	4,310	6,500	4,170	3,840	3,110	3,310	3,260	3,060	4,100	3,960
2	3,900	4,100	4,240	6,050	4,170	3,660	3,420	3,310	3,260	2,960	4,170	3,900
3	4,030	4,030	4,170	5,610	4,170	3,540	3,360	3,260	3,310	2,860	4,310	3,900
4	4,380	4,030	4,100	5,370	4,170	3,360	3,260	3,260	3,420	2,860	4,450	3,900
5	4,450	3,960	4,030	5,130	4,100	3,310	3,360	3,360	3,360	2,820	4,310	3,840
6	5,130	4,030	4,030	5,210	4,100	3,260	3,360	3,960	3,260	2,780	4,100	3,960
7	5,870	4,030	3,900	5,050	4,100	3,260	3,310	4,590	3,160	2,780	3,780	4,030
8	6,590	3,960	3,900	5,610	4,030	3,310	3,260	5,870	3,360	2,740	3,780	3,840
9	7,480	3,900	3,960	5,690	4,030	3,310	3,260	6,230	3,310	2,740	3,780	3,840
10	8,330	4,100	4,030	5,780	3,720	3,260	3,310	6,230	3,260	2,740	3,840	3,780
11	8,740	4,170	4,030	6,050	3,840	3,210	3,660	5,130	3,260	2,740	3,900	3,720
12	8,600	4,890	3,840	6,590	3,840	3,210	3,660	4,310	3,260	2,780	4,240	3,660
13	7,260	4,450	3,780	6,770	3,900	3,210	3,840	4,240	3,210	2,780	4,520	3,660
14	6,230	4,590	3,840	6,770	3,960	3,160	3,960	4,380	3,210	2,820	4,810	3,660
15	5,610	5,130	3,780	6,860	3,480	3,160	4,030	4,240	3,160	2,820	5,130	3,720
16	5,130	5,450	3,720	6,680	3,480	3,160	3,780	3,660	3,110	2,960	5,290	3,780
17	5,050	6,050	3,720	6,680	3,420	3,110	3,660	4,030	3,060	2,860	5,210	3,960
18	4,970	5,960	3,660	6,500	3,420	3,060	4,030	3,960	2,960	2,860	4,730	4,890
19	4,730	5,870	3,600	6,320	3,420	3,010	4,310	3,960	2,910	2,820	4,450	6,230
20	4,730	5,610	3,600	5,780	3,360	2,910	4,590	3,960	2,910	2,960	4,420	7,060
21	4,590	5,530	3,660	5,450	3,360	2,910	4,970	3,960	2,860	2,960	3,960	7,060
22	4,450	5,210	3,660	5,370	3,360	2,910	5,130	4,030	2,910	3,010	3,960	7,060
23	4,380	4,810	3,720	5,370	3,360	2,960	5,050	4,310	2,960	3,110	3,960	7,330
24	4,310	4,730	3,720	5,290	3,660	3,010	4,810	4,240	2,960	3,540	3,900	-----
25	4,380	4,890	3,780	5,210	3,960	3,060	4,660	3,840	3,010	4,170	3,900	-----
26	4,310	4,730	3,780	4,890	4,170	3,110	4,520	3,660	3,010	4,890	3,780	-----
27	4,380	4,590	3,900	4,730	4,450	3,110	4,310	3,540	3,060	5,290	3,660	-----
28	4,450	4,520	4,310	4,380	4,590	3,480	4,170	3,420	3,210	5,690	3,540	-----
29	4,310	-----	4,590	4,310	4,660	3,110	3,840	3,360	3,160	4,730	3,600	-----
30	4,310	-----	5,370	4,240	4,310	3,110	3,660	3,310	3,110	4,240	3,780	-----
31	4,170	-----	6,230	-----	4,030	-----	3,420	3,310	-----	4,030	-----	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Flint River at Bainbridge.—Continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1		14,300				10,400	13,500	7,830	8,070	11,000	6,860	7,480
2						10,300	14,700	7,590	7,710	10,100	6,770	7,480
3						10,800	15,000	7,160	7,260	9,620	6,680	7,590
4						10,600	15,200	8,330	6,960	9,160	6,590	7,710
5						9,940	14,100	7,950	6,680	9,160	6,500	7,590
6						10,300	12,900	9,310	6,410	9,020	6,680	7,480
7						10,800	12,900	10,100	6,320	8,600	6,770	7,370
8						12,500	11,900	11,000	6,140	8,460	9,310	7,260
9						14,500	11,200	10,300	6,230	6,860	11,200	7,160
10						15,800	10,800	9,940	6,320	7,370		6,960
11							10,400	11,200	6,500	7,260		7,060
12		13,500					10,800	12,500	6,680	7,260		6,960
13		11,300					10,800	14,100	6,960	7,260	15,200	7,060
14		12,300					10,800	15,200	7,060	7,480	10,800	7,060
15		12,700					12,300	15,400	7,060	7,710	11,000	6,960
16		13,100		15,800		15,800	13,100	14,500	7,370	8,070	9,780	7,160
17		15,000		15,400		13,300	14,300	13,500	7,160	8,880	9,020	7,370
18				15,600		13,100	15,200	11,700	6,960	10,300	8,330	7,590
19						13,300		9,940	6,770	13,100	8,070	7,710
20					15,800	13,500		9,460	6,590	11,900	7,950	7,480
21					15,000	13,700		9,160	6,770	11,500	7,830	7,370
22					14,700	13,900		9,310	6,860	11,500	7,830	7,260
23					13,100	13,100		9,940	6,960	11,300	7,830	7,060
24					13,100	11,000	15,000	10,100	7,160	11,200	8,070	6,860
25					12,900	9,940	13,700	10,300	7,950	10,800	8,330	6,680
26					11,300	10,600	11,900	10,600	8,460	9,780	8,330	6,500
27					10,800	11,000	9,780	10,100	9,020	9,020	8,200	6,410
28	14,300				10,600	11,700	9,020	9,940	10,100	8,600	8,200	7,950
29	13,700				9,940	11,900	8,600	9,620	11,200	7,950	8,070	11,900
30	13,500				9,780	12,300	8,070	9,620	12,300	7,160	7,590	
31	13,300				10,100		7,830	8,880		6,960		15,200
1913												
1	14,500	11,500			10,300	6,960	5,530	10,300	5,960	5,610	5,780	4,730
2	13,700	11,900			9,780	6,590	5,870	10,600	6,320	5,370	5,530	4,730
3	13,800	12,100			9,460	6,410	5,780	10,800	6,230	5,290	5,290	4,730
4	13,900	13,100			9,460	6,590	5,780	9,310	5,870	5,530	5,130	4,730
5	13,700	15,000			9,160	6,770	5,610	9,020	5,690	5,530	5,130	4,810
6	13,300				8,880	6,960	5,610	8,740	5,610	5,450	5,050	4,890
7	13,100				8,600	7,480	5,530	9,020	5,530	5,290	4,890	5,210
8	12,900				8,460	7,830	5,870	8,880	5,610	5,210	4,970	5,290
9	12,700				8,200	7,950	6,140	8,600	6,320	5,050	4,810	5,290
10	12,300				8,070	8,740	5,960	8,070	6,960	4,970	4,810	5,210
11	11,900				8,200	9,460	5,870	8,070	7,160	4,890	4,810	5,210
12	11,700				7,950	10,400	5,690	8,740	6,770	4,890	5,210	5,370
13	11,200	15,200			7,950	11,200	5,610	8,330	6,320	4,810	5,290	5,290
14	9,160	14,300			7,710	11,700	5,530	7,710	6,050	4,660	5,210	5,210
15	9,160	13,500			7,710	11,500	5,610	7,260	5,690	4,590	5,130	5,130
16	9,020	13,900			7,590	10,600	6,230	6,770	5,450	4,520	5,130	5,050
17	8,880	14,100			7,590	9,160	6,230	6,500	5,610	4,590	4,970	5,130
18	8,600	13,500			7,480	8,070	6,140	6,590	5,690	4,450	4,810	5,050
19	8,460	12,700			7,370	7,590	6,140	6,680	5,960	4,590	4,890	5,050
20	8,330	11,500			7,370	7,160	6,050	6,320	6,050	4,590	4,180	5,050
21	8,200	10,800			7,260	6,680	5,870	6,140	6,590	4,450	4,810	5,050
22	8,200	10,800		15,000	7,160	6,410	5,870	5,870	7,060	4,520	4,970	4,970
23	8,070	10,800		14,100	7,370	6,320	6,050	5,690	7,590	4,590	4,890	4,970
24	8,200	12,300		13,300	7,830	6,140	6,770	5,530	7,830	5,130	4,890	5,050
25	8,200	13,900		12,700	7,710	6,050	7,710	5,370	8,070	5,370	4,810	5,130
26	8,460	14,500		11,900	7,480	6,050	8,740	5,290	7,370	5,610	4,810	4,890
27	8,740	14,700		11,300	7,590	5,870	9,160	5,290	6,680	5,690	4,890	5,130
28	9,160	15,000		11,000	7,590	5,780	9,460	5,530	6,320	6,230	4,810	5,290
29	10,400			10,800	7,590	5,780	10,300	5,610	5,780	6,410	4,810	5,450
30	11,900			10,600	7,370	5,610	10,600	5,530	5,610	6,230	4,730	5,530
31	11,200				7,060		10,600	5,530		5,960		5,530

NOTE.—Daily discharge determined from a rating curve well defined below 15,000 second-feet. On days for which no discharge is given it was greater than 16,000 second-feet.

WATER POWERS OF GEORGIA

Monthly discharge of Flint River at Bainbridge

]Drainage area, 7,410 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1908						
June.....	9,540	6,840	7,860	1.06	1.18	A.
July.....	8,780	6,130	7,490	1.01	1.16	A.
October.....	5,780	4,740	5,000	.675	.78	A.
November.....	5,870	4,820	5,290	.714	.80	A.
December.....	9,320	4,970	5,800	.783	.90	A.
1909						
January.....	9,100	5,210	6,150	.830	.96	A.
June.....	8,050	5,210	6,380	.861	.96	A.
July.....	8,260	5,210	6,190	.835	.96	A.
August.....	8,470	4,050	6,080	.821	.95	A.
September.....	5,210	3,800	4,240	.572	.64	A.
October.....	4,520	3,500	3,820	.516	.59	B.
November.....	4,050	3,560	3,690	.498	.56	B.
December.....	4,740	3,800	4,290	.579	.67	A.
1910						
January.....	5,370	4,310	4,580	0.618	0.71	A.
May.....	6,040	3,990	4,660	.629	.73	A.
June.....	7,740	3,440	4,880	.659	.74	A.
July.....	7,740	4,740	6,200	.837	.96	A.
August.....	7,030	3,930	4,770	.644	.74	A.
September.....	5,370	3,170	3,990	.538	.60	B.
October.....	3,740	3,070	3,320	.448	.52	C.
November.....	3,740	3,070	3,250	.439	.49	C.
December.....	4,250	3,390	3,780	.510	.59	B.

NOTE.—Monthly discharges for 1908, 1909, 1910 are published only for these months during which the gage heights were 10 feet and under.

1911						
January.....	8,740	3,900	5,260	0.710	0.82	A.
February.....	6,050	3,900	4,700	.634	.66	A.
March.....	6,230	3,600	4,030	.544	.63	A.
April.....	6,860	4,240	5,670	.765	.85	A.
May.....	4,660	3,360	3,900	.526	.61	A.
June.....	3,840	2,910	3,200	.432	.48	B.
July.....	5,130	3,110	3,910	.528	.61	A.
August.....	6,230	3,260	4,070	.549	.63	A.
September.....	3,420	2,860	3,140	.424	.47	B.
October.....	5,690	2,740	3,300	.445	.51	B.
November.....	5,290	3,540	4,170	.563	.63	A.
1913						
January.....	14,500	8,070	10,700	1.44	1.66	A.
May.....	10,300	7,060	8,040	1.09	1.26	A.
June.....	11,700	5,610	7,660	1.03	1.15	A.
July.....	10,600	5,530	6,710	.906	1.04	A.
August.....	10,800	5,290	7,340	.991	1.14	A.
September.....	8,070	5,450	6,320	.853	.95	A.
October.....	6,410	4,450	5,160	.696	.80	A.
November.....	5,780	4,730	5,000	.675	.75	A.
December.....	5,530	4,730	5,100	.688	.79	A.

NOTE.—Monthly estimates for 1911 are published only for those months during which the gage heights were 12.5 feet and under. When sufficient measurements are obtained to develop the high-water portion of the rating curve the tables will be completed and published in a later report.

LITTLE POTATO (TOBLER) CREEK NEAR YATESVILLE, GA.

Location.—At Tobler mills, 1 mile downstream from Macon & Birmingham Railroad bridge, 2 miles north of Yatesville, Upson County, and 15 miles upstream from junction of creek with Flint River.

Drainage Area.—Not measured.

Records Available.—November 4, 1914, to September 30, 1918.

Gage.—Vertical staff on right bank just below penstock of Tobler mills; read by J. K. Sanders.

Discharge Measurements.—Made from steel highway bridge across mill pond about 600 feet above gage during medium and high stages; by wading during low stages.

Channel and Control.—Bed composed of boulders and solid rock. Control formed by solid rock shoal; permanent.

Regulation.—Operation of Tobler mills causes large fluctuations in stage. Gage is read in the morning before operation of mill in order to obtain readings which more nearly represent the natural stage.

Discharge measurements of Little Potatoe (Tobler) Creek near Yatesville

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1914	Feet.	Sec.-ft.	1916	Feet.	Sec.-ft.
November 4 -----	0.52	6.61	February 5 -----	0.82	28.5
November 4 -----	0.52	6.71	1917		
1915			July 25 -----	0.30	0.5
June 2 -----	1.65	1.65	1918		
			February 27 -----	0.80	28.5

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Little Potatoe (Tobler) Creek near Yatesville

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-1915												
1			1.3	0.90	0.90	0.90	0.90	0.70	1.4	0.50	0.52	0.52
2			.95	.85	1.3	.80	.85	.70	1.9	.85	.52	.50
3			.90	.85	1.3	.80	.85	.65	1.0	.70	.50	.50
4		0.52	.90	.80	1.0	.75	.80	.62	.80	.72	.52	.50
5		.50	.90	.80	.95	1.4	.80	.62	.80	.85	.52	.52
6		.50	.85	.88	1.0	1.4	.75	.62	.78	1.7	.55	.52
7		.52	.85	1.1	.92	.95	.75	.60	.75	.90	.50	.50
8		.50	.80	.90	.90	.90	.75	1.55	.70	.70	.50	.50
9		.58	.80	.88	.85	.90	.75	.90	.70	1.2	.50	.50
10		.60	.80	.85	.80	.85	.65	.80	.60	.90	.52	.50
11		.52	.80	.85	.80	.85	.65	.80	.60	.75	.50	.50
12		.58	.75	1.1	.80	.80	.75	1.3	.65	.70	.52	.50
13		.58	.85	.9	.75	.75	.75	.95	.65	.70	.50	.50
14		.58	.90	.9	.75	.80	.70	.85	.65	.72	.50	.50
15			.90	.85	.85	.80	.70	.78	.60	.75	.52	.60
16		1.6	.90	.85	1.1	.80	.72	.70	.55	.60	.50	.50
17		.88	.65	1.1	.90	.82	.72	.70	.60	.60	.50	.50
18		.78	.65	2.6	.75	.80	.70	.70	.62	.55	.52	.50
19		.75	.65	1.2	.80	.80	.70	.68	.60	.55	1.1	.45
20		.65	.75	1.2	.80	.80	.72	.65	.55	.70	.70	.50
21		.68	.80	1.05	.85	.80	.72	.65	.55	.80	.60	.50
22		.68	.80	1.0	.85	.80	.72	.65	.50	.65	.60	.45
23		.65	.70	.95	.85	.80	.68	.60	.50	.65	.60	.50
24		.65	.75	1.55	1.1	.80	.62	.60	.50	.60	.60	.40
25		.65	.75	1.5	.90	.75	.60	.68	.52	.60	.55	.40
26		.65	.90	1.1	.80	.75	.60	.65	.50	.60	.50	.40
27		.65	.80	1.05	.80	.75	.62	.60	.50	.62	.50	.40
28		.65	.80	1.0	.90	.80	.62	.75	.80	.60	.55	.40
29		1.55	.98	.95		.80	.80	.70	.80	.60	.50	.30
30		2.6	1.4	.92		.80	.70	.70	.82	.52	.52	.40
31			1.0	1.2		.85		.75		.52	.50	
1915-1916												
1	0.45	0.6	0.6	0.7	0.9	0.6	0.7	0.6	0.6	0.6	0.6	0.6
2	.45	.6	.6	.7	1.7	.6	.7	.6	.6	.6	.9	.6
3	.45	.6	.5	.7	1.1	.6	.7	.6	.6	.6	.8	.6
4	1.0	.5	.5	.7	.8	.6	.7	.6	1.1	.5	.7	.6
5	.75	.5	.5	.65	.9	.6	.7	.6	.8	.5	.7	.6
6	.7	.5	.5	.6	.8	.6	.7	.6	.7	.5	.6	.6
7	.7	.5	.5	.6	.8	.6	.7	.6	.6	.75	.6	.6
8	.7	.4	.5	.6	.8	1.3	.7	.6	.6	3.3	.6	.6
9	.7	.4	.5	.7	.8	.7	.7	.6	.6	2.5	.6	.6
10	.6	.4	.5	.7	.8	.6	.7	.6	.6	2.4	.6	.6
11	.6	.4	.5	.7	.7	.6	.7	.6	.6	.8	.5	.6
12	.6	.4	.6	.7	.7	.6	.7	.6	.6	.8	.5	.6
13	.5	.4	.6	1.1	.7	.6	.7	.6	.6	.8	.5	.6
14	.5	.4	.6	1.0	.7	.6	.65	.6	.6	.8	.5	.7
15	1.7	.4	.6	.7	.7	.6	.65	.6	.6	.8	.5	.7
16	.6	.4	.6	.6	.7	.6	.65	.6	.6	.8	.6	.7
17	.6	.4	.6	.6	.7	.6	.6	.6	.6	.8	.6	.6
18	.6	.45	2.2	.6	.6	.6	.8	.6	.6	.8	.6	.6
19	.6	.6	.7	.6	.6	.6	.7	.6	.6	.9	.6	.6
20	1.0	.65	.7	.6	.6	.6	.7	.6	.6	1.1	.6	.6
21	1.6	.65	.7	.7	.6	.6	.7	.4	.6	1.2	.6	.6
22	1.5	.6	.7	.7	.6	.6	.7	.4	.6	1.1	.6	.6
23	.9	.6	.6	.7	.6	.55	.6	1.3	.7	.8	.5	.6
24	.6	.6	.6	.7	.6	.6	.6	.8	.6	2.0	.5	.6
25	.7	.6	.6	.7	.7	.6	.6	.8	.6	.8	.6	.6
26	.7	.6	.6	.7	.6	.6	.6	.7	.6	1.3	.6	.6
27	.6	.6	.7	.7	.6	.7	.6	.6	.6	.8	.6	.6
28	.6	.6	.7	.7	.6	.7	.6	.6	.6	.7	.6	.6
29	.6	.6	2.2	.65	.7	.7	.6	.6	.6	.6	.6	.6
30	.5	.6	1.0	.7		.7	.6	.6	.6	.6	.6	.6
31	.7		1.0	.7		.7		.6		.6	.6	

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Little Potatoe (Tobler) Creek near Yatesville
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-1917												
1-----	0.6	0.5	0.5	0.5	1.0	0.9	0.9	0.7	0.7	0.7	0.7	0.5
2-----	.6	.5	.5	.5	1.5	.9	.7	.7	.7	.7	.7	.5
3-----	.6	.5	.4	.5	.6	.9	.9	.7	.6	.7	.78	.6
4-----	.6	.4	.4	.6	.6	2.1	.9	.7	.6	.7	.75	.6
5-----	.6	.4	.4	.6	.6	2.0	2.6	.7	.6	.6	.7	.6
6-----	.6	.4	.4	.6	.6	1.2	1.4	.7	.6	.6	.7	.6
7-----	.6	.4	.4	.6	.6	.9	1.2	.7	.7	.6	1.1	.65
8-----	.6	.4	.4	.6	.6	.9	1.0	.8	.7	.6	1.1	.6
9-----	.6	.4	.5	.6	.6	.9	1.0	.8	.6	.6	1.0	.65
10-----	.6	.4	.5	.6	.6	.9	.9	.8	1.7	.6	.75	.62
11-----	.6	.4	.5	.5	.5	.9	.9	.7	.9	.6	.7	.6
12-----	.6	.4	.5	.5	.5	.9	.8	.7	.8	.6	.7	.6
13-----	.6	.4	.5	.5	.7	.9	.8	.7	.7	.6	.7	.6
14-----	.6	.4	.5	.6	.7	.8	.8	.7	.7	.6	.6	.6
15-----	.6	.4	.5	.6	.7	.8	.8	.7	.7	.6	.62	.6
16-----	.5	.4	.5	.7	.7	.8	.8	.7	.7	.55	.6	.6
17-----	.5	.4	.5	.9	.7	.8	.7	.7	.7	.55	.6	.6
18-----	.5	.4	.5	.9	.1	.8	.7	.7	.7	.7	.6	.52
19-----	.7	.4	.5	.9	.2	.8	.7	.7	.6	1.1	.6	.53
20-----	.6	.4	.5	.6	1.1	.8	.8	.7	.6	.7	.85	.5
21-----	.6	.4	.5	.6	1.3	.8	.8	.7	.6	.8	.6	.5
22-----	.6	.4	.5	.9	1.2	1.1	.7	.65	.6	.65	.6	.5
23-----	.6	.4	.5	.9	.9	.9	.7	.65	.7	.7	.6	.5
24-----	.6	.5	.5	2.0	.9	1.4	.7	.65	.7	.7	.55	.7
25-----	.5	.4	.5	2.0	.9	.9	.7	.65	.7	.65	.5	.6
26-----	.5	.4	.5	1.2	.9	.9	.8	.65	.7	1.05	.5	.6
27-----	.5	.4	.5	1.0	.9	1.7	.8	.7	.7	.75	.5	.6
28-----	.5	.4	.5	.6	.9	.9	.8	.7	.7	.7	.6	.6
29-----	.6	.5	.5	.6		.9	.7	.7	.7	.7	.7	1.6
30-----	.6	.5	.5	.6		.9	.7	.7	.7	.7	.6	.8
31-----	.6		.5	.6		.9		.7		.7	.6	
1917-1918												
1-----	0.6	0.7	0.7	0.7	1.0	0.8	0.8	0.9	0.68	0.7	0.8	0.7
2-----	.6	.7	.7	.7	1.1	.8	.8	.85	.7	.7	1.15	.7
3-----	.6	.7	.7	.7	1.2	.8	.85	.8	.7	.7	1.2	1.1
4-----	.6	.7	.7	.7	1.2	.8	.75	.8	.7	.7	.9	1.0
5-----	.6	.7	.7	.7	1.0	.8	.72	.7	.7	.7	.8	.85
6-----	.6	.7	.75	.7	.9	.8	.7	.7	.7	.7	.8	.88
7-----	.6	.7	.8	.7	.95	.8	.8	.7	.7	.7	.8	.65
8-----	.6	.7	.8	.8	.8	.8	.8	.7	.7	.7	.7	.7
9-----	.6	.7	.7	.8	.8	.8	.8	.68	.7	.7	.7	.7
10-----	.6	.7	.7	.8	.8	.8	.8	.72	.72	.7	.75	.7
11-----	.6	.7	.7	.82	.8	.8	.8	.7	.72	.7	.8	.7
12-----	.7	.7	.7	1.4	.8	.8	.8	.7	.7	.7	.8	.7
13-----	.7	.7	.7	.8	.9	.8	.75	.68	.7	.7	.8	.7
14-----	.7	.7	.7	.8	.8	.8	.8	.6	.7	.7	.8	.7
15-----	.7	.7	.7	1.0	.8	.8	.8	.75	.7	.7	.75	.7
16-----	.7	.7	.7	.9	.8	.8	.8	.7	.7	.7	.7	.7
17-----	.7	.7	.7	.85	.85	.8	.75	.7	.7	.7	.7	.7
18-----	.7	.7	.75	.8	.85	.8	.78	.7	.7	.72	.7	.7
19-----	.7	.7	.62	.8	.85	.8	.8	.7	.7	.75	.8	.72
20-----	.7	.8	.68	.8	.95	.85	.8	.7	.7	.82	.85	.75
21-----	.7	.8	.65	.8	.95	.8	.8	.7	.7	.9	.8	.72
22-----	.7	.8	.6	.8	.9	.8	.8	.7	.7	.9	.8	.7
23-----	.7	.8	.6	.8	.9	.8	.8	.68	.7	.9	.8	.7
24-----	.7	.8	.6	.8	.8	.8	.8	.65	.7	.9	.75	.7
25-----	.7	.8	.7	.8	.8	.8	.8	.65	.7	.65	.7	.7
26-----	.7	.8	.7	.8	.8	.8	1.1	.65	.7	.62	.7	.7
27-----	.7	.8	.6	.8	.8	.78	.8	.65	.7	.85	.75	.7
28-----	.75	.7	.6	.8	.8	.8	.9	.65	.7	.82	1.2	.7
29-----	.75	.7	.6	1.6		.8	.9	.65	.7	1.0	.8	.7
30-----		.7	.6	1.05		.8	.9	.65	.7	.9	.85	.7
31-----			.6	1.8		.8		.65		.9	.9	

ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.

Location.—At the wagon bridge at Milford, Ga.

Drainage Area.—640 square miles.

Records Available.—August 29, 1905, to December 31, 1907.

Gage heights for 1905 and 1906 are from a standard chain gage attached to the downstream side of the bridge located about 100 feet above the remains of an old wooden dam, which retains the water at a higher level than it would otherwise have. During 1907 a vertical staff gage located below the old dam was used. Its datum is several feet lower than that of the chain gage and variation of the water surface at the two gages is radically different.

A relation was established between the two gages and an approximate rating was developed which is applicable to the 1907 gage heights.

Discharge measurements of Ichawaynochaway Creek at Milford

Date	Gage height.b	Discharge.
	Feet.	Sec.-ft.
1907		
January 22	3.18	690
January 22	3.19	705
April 27	6.18	1,790
August 21	2.91	666

Daily gage height, in feet, of Ichawaynochaway Creek at Milford

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	5.0	3.4	3.9	3.3	4.55	1.9	1.3	2.4	1.8	11.9	2.35	5.3
2	5.0	3.5	4.0	3.4	4.5	1.85	1.4	2.6	1.8	8.6	2.35	5.2
3	4.8	4.0	4.05	3.7	4.4	1.85	1.5	3.0	1.75	6.5	2.35	5.1
4	4.5	4.3	4.0	4.0	3.9	1.8	1.6	3.0	2.0	5.6	2.35	4.8
5	4.5	4.6	3.85	4.3	3.8	1.8	1.9	2.9	2.5	5.1	2.3	4.6
6	4.5	4.8	3.6	4.8	3.6	1.8	2.15	2.8	2.6	4.6	2.25	4.5
7	4.35	5.0	3.2	5.3	3.45	1.75	2.3	2.9	2.6	4.4	2.2	4.4
8	4.35	4.9	3.1	6.2	3.4	1.75	2.35	3.1	2.7	4.4	2.3	4.5
9	4.2	4.75	3.0	7.0	3.4	1.8	2.0	3.5	2.75	4.3	2.3	4.7
10	4.2	4.65	2.9	6.5	3.5	1.9	1.9	3.4	2.7	4.0	2.35	4.9
11	3.9	4.5	2.9	5.4	3.45	2.1	1.9	3.2	2.65	3.7	2.4	5.1
12	3.9	4.1	3.0	5.1	3.4	2.0	1.9	3.2	2.6	3.4	2.5	5.5
13	4.05	3.6	3.1	4.8	3.2	1.9	1.9	3.3	2.6	3.1	2.6	6.1
14	3.9	3.2	3.2	4.3	3.1	1.9	1.85	3.5	2.55	2.9	2.7	7.7
15	3.9	3.1	3.3	4.2	3.0	1.85	1.85	4.0	2.5	2.9	2.75	8.5
16	3.75	3.0	3.4	3.7	3.0	1.8	1.8	5.9	2.5	2.85	2.8	9.1
17	3.6	3.05	3.5	3.2	2.9	1.75	1.8	4.0	2.4	2.8	3.1	9.5
18	3.3	3.1	3.5	3.5	2.9	1.7	1.8	3.5	2.3	2.8	3.3	9.2
19	3.3	3.2	3.4	3.8	2.8	1.65	1.75	3.0	2.3	2.7	3.6	8.7
20	3.15	3.3	3.2	3.5	2.7	1.6	1.75	2.4	2.2	2.7	3.95	8.2
21	3.15	3.4	3.0	4.0	2.5	1.55	1.7	3.0	2.0	2.6	4.2	7.5
22	3.15	3.5	2.8	4.2	2.4	1.5	1.7	2.6	2.9	2.55	4.4	6.8
23	3.1	3.5	2.75	4.9	2.3	1.5	1.7	2.0	3.1	2.55	4.5	6.3
24	3.05	3.55	2.7	5.4	2.2	1.45	1.7	2.0	3.2	2.5	4.6	6.1
25	3.0	3.55	2.7	6.0	2.2	1.45	1.7	1.95	3.35	2.5	4.7	6.0
26	3.1	3.6	2.6	7.0	2.2	1.4	2.9	1.95	3.75	2.45	4.75	6.2
27	3.2	3.7	2.5	6.5	2.15	1.3	3.5	1.9	4.0	2.45	4.8	6.4
28	3.7	3.8	2.4	6.0	2.1	1.3	3.0	1.9	4.5	2.45	4.9	6.35
29	3.6		2.4	5.4	2.1	1.25	3.1	1.85	7.0	2.4	5.0	6.1
30	3.4		2.35	4.6	2.05	1.2	2.9	1.85	10.5	2.4	5.2	5.7
31	3.3		2.3		2.0		2.5	1.8		2.4		5.6

NOTE.—New staff gage installed January 27, 1907. By means of simultaneous readings on the two gages a relation between the two has been established and gage heights January 1-27 referred to the new gage.

Rating table for Ichawaynochaway Creek at Milford for 1907.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.20	335	2.70	605	4.20	1,000	6.20	1,800
1.30	350	2.80	625	4.30	1,030	6.40	1,900
1.40	365	2.90	645	4.40	1,065	6.60	2,000
1.50	380	3.00	665	4.50	1,100	6.80	2,100
1.60	395	3.10	690	4.60	1,135	7.00	2,200
1.70	410	3.20	715	4.70	1,170	7.20	2,320
1.80	425	3.30	740	4.80	1,205	7.40	2,440
1.90	445	3.40	765	4.90	1,240	7.60	2,560
2.00	465	3.50	790	5.00	1,280	7.80	2,680
2.10	485	3.60	820	5.20	1,360	8.00	2,800
2.20	505	3.70	850	5.40	1,440	9.00	3,500
2.30	525	3.80	880	5.60	1,520	10.00	4,200
2.40	545	3.90	910	5.80	1,600	11.00	5,000
2.50	565	4.00	940	6.00	1,700	12.00	5,800
2.60	585	4.10	970				

Monthly discharge of Ichawaynochaway Creek at Milford

[Drainage area, 640 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	1,280	665	892	1.39	1.60	C.
February	1,280	665	893	1.40	1.46	C.
March	955	525	705	1.10	1.27	C.
April	2,200	715	1,250	1.95	2.18	C.
May	1,120	465	688	1.08	1.24	C.
June	485	335	408	.638	.71	C.
July	790	350	476	.744	.86	C.
August	1,650	425	658	1.03	1.19	C.
September	4,600	418	794	1.24	1.38	C.
October	5,720	545	1,030	1.61	1.86	C.
November	1,360	505	791	1.24	1.38	C.
December	3,850	1,060	1,940	3.03	3.49	C.
The year	5,720	335	787	1.37	18.62	

KINCHAFOONEE CREEK NEAR LEESBURG, GA.

Location.—At the iron highway bridge, 1 mile east of Leesburg.

Drainage Area.—480 square miles.

Records Available.—August 30, 1905 to December 31, 1909.

Gage.—Chain gage, on the bridge.

Discharge Measurements.—Made from the downstream side or the bridge.

Channel and Control.—Conditions of flow are probably permanent, and a good rating has been developed for low and medium stages.

Discharge Measurements of Kinchafoonee Creek near Leesburg

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907					
January 19	2.72	503	1908		
April 20	3.20	664	August 20	1.25	263
August 22	3.29	586	1909		
1908					
January 2	7.85	2,230	July 30	1.72	327
February 12	7.51	1,960	July 30	1.72	328
June 10	2.30	416	October 28	.84	202
			October 28	.82	191

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Kinchafoone Creek near Leesburg

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	3.5	3.7	3.3	1.7	3.1	1.4	1.8	2.65		9.5	1.6	
2	3.6	4.1	3.4	1.7	3.2	1.4	1.6	3.95	1.4	8.8	1.6	7.2
3	3.6	4.4	3.5	1.7	3.5	1.4	1.7	3.15	1.3	7.8		7.0
4	3.7	4.7	3.6	1.6	3.3	1.3			1.45	6.8	1.8	7.0
5	3.8	5.1	3.5	1.5	3.1	1.3	3.5	4.15	2.1	4.95	1.9	6.6
6	3.8	5.2	3.5	2.7	2.8	1.3	3.9	4.8	2.9		1.8	6.0
7	3.7	5.1	3.3	3.1	2.5	1.3		6.9	2.9	2.9	1.8	5.4
8	3.6	5.0	3.1	3.4	2.3	1.3	2.1	6.9		2.55	1.65	
9	3.6	4.9	2.9	4.1	2.0	1.2	1.4	6.1	2.45	2.75	1.6	4.6
10	3.5	4.7	2.8	5.0	2.8	1.2	1.1	5.45	2.05	2.6		5.1
11	3.4	4.5	2.7	5.6	3.1	1.2	1.0		2.4	2.6	1.85	5.9
12	3.3	4.1	2.6	4.4	3.5	1.1	1.1	7.6	2.35	2.5	2.15	6.6
13	3.2	3.7	2.6	3.3	3.8	1.1	1.0	9.2	2.35		2.45	7.2
14	3.1	3.4	2.6	3.0	3.6	1.1		9.1	2.1	2.4	2.7	8.4
15	3.0	3.2	2.7	2.9	3.0	1.1	1.0	8.8		2.3	2.55	
16	3.0	3.0	2.9	2.8	3.5	1.2	1.2	8.4	2.4	2.2	2.4	10.6
17	2.8	2.8	3.1	2.7	3.9	1.3	1.6	7.0	2.25	2.05		11.2
18	2.7	2.7	3.2	2.5	4.0	1.2	1.8		1.95	1.9	2.4	10.2
19	2.6	2.8	3.3	2.6	3.7	1.1	2.0	3.65	1.9	1.85	2.4	8.9
20	2.7	3.0	3.5	3.0	3.3	1.0	1.7	3.5	1.85		2.4	7.8
21	2.9	3.1	3.1	3.2	2.7	1.0		3.45	1.45	1.7	2.6	7.0
22	2.9	3.0	2.8	3.5	2.5	.9	1.2	2.95		1.6	3.7	
23	2.8	3.0	2.6	4.6	2.4	1.0	1.1	2.6	2.2	1.5	4.35	8.1
24	2.8	3.0	2.6	5.1	2.3	1.2	.9	2.7	2.45	1.45		8.8
25	2.7	2.9	2.5	5.6	2.0	.9	.9		2.25	1.4	5.2	
26	2.7	3.0	2.3	5.8	1.9	.9	1.3	2.15	2.05	1.4	6.5	10.0
27	2.9	3.2	2.2	5.1	1.8	.9	1.2	2.0	2.0		7.1	9.3
28	3.2	3.3	2.2	4.5	1.8	1.0		1.85	2.15	1.5		8.2
29	3.4		2.0	3.8	1.6	1.3	1.7	1.65		1.6	7.0	
30	3.5		1.9	3.4	1.5	1.5	2.3	1.5	8.4	1.7	7.4	7.8
31	3.4		1.8		1.5		2.8	1.65		1.6		7.8
1908												
1		7.3		6.8	11.2	2.6	1.85	2.25	1.9	1.4		1.5
2	7.0		6.0	6.5	9.9	2.6	1.7		1.8	1.3	2.1	1.75
3	8.0	15.7	6.0	6.2		2.45	1.6	2.05	1.75	1.2	2.0	2.1
4	7.9	15.5	5.6	5.9	7.8	2.4		1.85	1.8		1.95	2.5
5		12.9	5.2		7.1	2.4		1.6	1.7	1.1	2.15	2.35
6	7.1	10.5	5.0	5.4	6.5	2.7	2.55	1.35		1.1	2.45	
7	8.4	9.0	5.0	5.0	5.9		2.55	1.45	1.9	1.1	2.4	1.9
8	10.2	8.4		5.0	5.8	2.75	2.4	1.5	1.85	1.1		1.9
9	11.5		4.9	5.0	5.8	2.55	2.25		1.75	1.15	2.2	1.8
10	11.1	7.4	4.8	4.9		2.25	2.0	2.35	1.6	1.35	2.15	1.8
11	11.4	7.8	4.8	4.8	5.4	2.1	2.45	2.5	1.5		2.0	2.05
12		7.6	4.7		4.8	2.0		2.25	1.5	1.65	2.0	2.25
13	10.1	7.5	4.6	4.6	4.3	1.9	2.45	2.1		1.55	2.0	
14	9.4	7.5	4.5	4.2	3.9		2.4	1.85	1.3	1.45	2.0	2.9
15	8.7	8.4		4.0	3.6	2.0	2.35	1.65	1.2	1.4		3.15
16	7.8		4.4	3.9	3.4	2.0	2.3		1.45	1.3	1.8	2.95
17	7.3	8.3	4.3	4.0		1.95	2.4	1.35	1.4	1.3	1.7	2.5
18	7.0	8.6	4.3	4.4	3.1	1.9	2.55	1.25	1.25		1.6	2.1
19		9.4	4.2		3.1	1.8		1.1	1.1	1.2	1.7	2.0
20	6.4	9.2	4.0	4.6	3.1	1.8	5.2	1.1		1.1	1.7	
21	6.1	8.8	4.0	4.6	3.0		5.8	1.1	1.4	1.1	1.7	1.8
22	6.0			4.4	2.9	2.0	4.5	1.25	1.55	1.1		1.9
23	6.0		6.6	4.6	2.8	2.05	2.85		1.75	1.0	1.7	2.25
24	6.0	8.0	10.3	4.7		2.15	2.5	2.35	1.9	1.0	1.65	2.45
25	5.9	7.4	17.2	4.6	2.6	2.4	2.6	2.85	1.8		1.6	
26		6.8	16.8		2.85	2.9		3.6	1.55	1.0		3.7
27	5.8	6.6	14.6	8.4	3.1	3.0	4.0	4.1		1.1	1.6	
28	5.6	6.2	13.0	9.4	2.95		3.2	4.6	1.6	1.15	1.6	2.5
29	5.5	6.2		9.9	2.8	2.7	2.7	4.7	1.7	1.4		2.35
30	5.5		8.8	10.8		2.1	2.45		1.5	1.85	1.5	2.05
31	5.6		7.7				2.35	2.05		1.9		1.9

GEOLOGICAL SURVEY OF GEORGIA

Rating table for Kinchafoonee Creek near Leesburg for 1907 and 1908.

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.90	209	2.40	444	3.90	754	6.60	1,597
1.00	222	2.50	462	4.00	778	6.80	1,682
1.10	236	2.60	481	4.20	827	7.00	1,770
1.20	250	2.70	500	4.40	878	8.00	1,250
1.30	264	2.80	519	4.60	931	9.00	2,800
1.40	279	2.90	539	4.80	986	10.00	3,400
1.50	294	3.00	559	5.00	1,043	11.00	4,050
1.60	309	3.10	579	4.20	1,102	12.00	4,700
1.70	325	3.20	600	5.40	1,164	13.00	5,400
1.80	341	3.30	621	5.60	1,229	14.00	6,100
1.90	357	3.40	642	5.80	1,296	15.00	6,850
2.00	374	3.50	664	6.00	1,366	16.00	7,600
2.10	391	3.60	686	6.20	1,439	17.00	8,350
2.20	408	3.70	708	6.40	1,516	18.00	9,100
2.30	426	3.80	731				

NOTE.—The above table is based on 13 discharge measurements made during 1905-1908 and is well defined below gage height 9 feet.

Daily discharge, in second feet, of Kinchafoonee Creek near Leesburg

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	357	325	697	918	972	404	279	500	150	209	184	243
2	357	309	731	840	1,090	408	264	481	150	196	184	229
3	341	309	675	766	1,200	408	264	472	140	196	178	216
4	325	309	632	710	1,160	435	264	481	140	196	178	209
5	374	309	590	653	1,040	481	264	444	140	196	178	208
6	490	341	559	621	958	481	264	426	140	184	172	206
7	549	358	534	600	814	481	294	453	140	184	172	202
8	500	374	510	686	766	462	325	495	140	184	172	216
9	426	374	559	802	720	444	332	539	150	184	178	222
10	388	579	600	778	675	426	344	559	150	184	178	257
11	349	931	686	754	621	417	527	519	150	184	184	264
12	341	1,160	790	731	569	374	610	481	156	184	184	279
13	332	1,070	878	790	510	354	642	435	161	184	184	294
14	408	1,000	1,020	766	462	333	621	374	161	172	184	309
15	408	931	1,160	742	444	279	621	355	150	172	184	294
16	453	1,160	1,400	708	444	264	708	341	150	172	184	294
17	430	1,400	1,260	675	444	264	778	325	150	172	184	279
18	408	1,370	1,100	654	408	264	732	309	161	172	184	279
19	408	1,520	1,030	632	374	272	686	294	166	172	196	294
20	400	1,950	931	600	400	310	642	279	172	184	196	309
21	374	1,640	1,870	579	481	349	600	264	196	184	199	341
22	374	1,330	2,800	569	453	374	559	250	229	184	202	341
23	357	1,160	4,700	559	422	408	539	236	264	184	209	349
24	349	1,100	6,850	600	391	444	539	222	279	184	216	357
25	341	1,010	4,310	800	391	481	510	222	279	184	216	357
26	341	931	2,920	1,000	426	481	481	209	279	196	216	346
27	341	852	2,050	1,100	426	428	481	196	279	196	222	335
28	325	774	1,710	1,030	408	374	481	184	264	202	240	325
29	325		1,370	918	391	357	500	175	236	196	257	341
30	325		1,230	840	395	302	519	166	222	196	272	325
31	325		1,030		400		519	161		190		317

NOTE.—These discharges are based on a rating curve that is well defined between 220 and 2,200 second-feet. Discharges interpolated for days having no gage record.

WATER POWERS OF GEORGIA

Monthly discharge of Kinchafoonee Creek near Leesburg
[Drainage area, 480 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January.....	731	481	604	1.26	1.45	A.
February.....	1,100	500	731	1.52	1.58	A.
March.....	686	341	532	1.11	1.28	A.
April.....	1,300	294	688	1.44	1.61	A.
May.....	778	294	524	1.09	1.26	A.
June.....	294	209	246	.512	.57	A.
July.....	754	209	334	.696	.80	A.
August.....	2,920	294	1,100	2.29	2.64	A.
September.....	2,470	264	499	1.04	1.16	A.
October.....	3,100	279	672	1.40	1.61	A.
November.....	1,950	309	690	1.44	1.61	A.
December.....	4,180	931	2,210	4.60	5.30	B.
The year.....	4,180	209	736	1.53	20.87	
1908						
January.....	4,380	1,200	2,170	4.52	5.21	B.
February.....	7,380	1,440	2,820	5.88	6.34	B.
March.....	8,500	778	2,100	4.38	5.05	B.
April.....	3,920	754	1,350	2.81	3.14	A.
May.....	4,180	481	1,100	2.29	2.64	A.
June.....	559	341	428	.892	1.00	A.
July.....	1,300	309	532	1.11	1.28	A.
August.....	958	236	418	.871	1.00	A.
September.....	357	236	308	.642	.72	A.
October.....	357	222	260	.542	.62	A.
November.....	453	294	355	.740	.83	A.
December.....	590	294	416	.867	1.00	A.
The year.....	8,500	222	1,020	2.13	28.83	
1909						
January.....	549	325	383	0.798	0.92	
February.....	1,950	309	888	1.85	1.93	
March.....	6,850	510	1,520	3.17	3.66	
April.....	1,100	559	747	1.56	1.74	
May.....	1,200	374	602	1.25	1.44	
June.....	481	264	385	.802	.89	
July.....	778	264	495	1.03	1.19	
August.....	559	161	350	.729	.84	
September.....	279	140	185	.385	.43	
October.....	209	172	186	.388	.45	
November.....	272	172	196	.408	.46	
December.....	357	202	285	.594	.68	
The year.....	6,850	140	518	1.08	14.63	

MOBILE RIVER BASIN

DESCRIPTION

The waters of the Mobile basin enter the Gulf of Mexico through Mobile River, which is formed by the union of Alabama and Tombigbee rivers at a joint near the coast. The system drains a triangular basin almost 300 miles wide near the headwaters in Georgia, Alabama, and Mississippi, having a total area of more than 40,000 square miles, and including about two-thirds of the State of Alabama and large areas in Georgia and Mississippi.

The main stream of the Alabama River branch, which has somewhat greater drainage area than the Tombigbee branch, has many names. Beginning at the headwaters it is Cartecay River, which with Ellijay River makes the Coosawattee. This, with Conasauga River, forms Oostanaula River, and at Rome, Ga., the Oostanaula and the Etowah unite to form Coosa River. Six miles above Montgomery, Ala., Tallapoosa River joins the Coosa and forms Alabama River.

The Coosa heads in the Appalachian Mountains of middle-north Georgia, mostly in the southwestern extremity of the Blue Ridge system. Its headwater streams, which include the Coosawattee, the Etowah, and the upper portion of the Conasauga, rising at elevations of 2,000 to 3,000 feet above sea level, descent rapidly over hard beds of schistose rocks to the limestones and dolomites beginning in the northwestern part of Georgia and extending into the State of Alabama. These streams drain large areas of forested lands, much of which is too steep for ordinary agricultural use.

The Tallapoosa River rises in Georgia but the greater portion of its basin lies in the State of Alabama.

The Mobile basin contains abundant and valuable deposits of such minerals as iron, manganese, beauxite, barytes, marbles, and other limestones.

The mean annual rainfall in this drainage area is about 50 inches.

Coosa and Tallapoosa rivers and their tributaries are important water-power streams and offer many exceptionally good locations for development.

CARTECAY RIVER NEAR CARTECAY, GA.

Location.—The station is located at a wooden bridge about 1½ miles from Cartecay, 6 miles from Ellijay, Ga., and about 1 mile below the mouth of Licklog Creek.

Drainage Area.—90 square miles.

Records Available.—June 27, 1904, to December 31, 1905, and from December 12, 1918, to September 30, 1920.

Gage.—Vertical staff gage, attached to the bridge from which discharge measurements are made.

Channel and Control.—Conditions of flow are somewhat changeable. A fair rating has been developed for low stages.

Discharge measurements of Cartecay River near Cartecay.

Date	Gage height.	Discharge.	Date	Gage height.	Discharge.
1907	Feet.	Sec.-ft.	1919	Feet.	Sec.-ft.
May 4	1.63	234	April 6	2.55	339
August 6	1.30	159	June 12	2.20	233
August 6	1.32	168			
November 15	1.02	133	1920		
1918			January 21	2.38	247
November 28	3.80	723	January 21	2.38	244
December 12	2.00	185			

WATER POWERS OF GEORGIA

Daily discharge, in second feet, of Cartecay River near Cartecay

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day	May	June	July	Aug.	Sept.	Oct.	Nov.
1907								1907							
1	-----	-----	174	195	103	218	184	17	195	195	206	206	87	84	-----
2	-----	386	195	174	97	126	164	18	195	195	195	164	84	84	-----
3	-----	280	184	174	195	144	-----	19	174	267	218	184	84	84	-----
4	250	280	174	154	206	135	-----	20	174	218	218	174	84	117	-----
5	242	254	174	144	174	135	-----	21	174	206	174	154	84	117	-----
6	242	230	164	176	135	164	-----	22	174	242	154	184	164	126	-----
7	321	218	154	135	103	117	-----	23	174	254	154	154	-----	100	-----
8	254	-----	154	117	100	164	-----	24	218	-----	144	154	135	117	-----
9	230	293	154	114	114	117	-----	25	195	267	218	174	100	117	-----
10	195	230	184	103	144	117	-----	26	-----	195	242	154	97	117	-----
11	184	218	195	114	184	117	-----	27	230	195	218	135	84	154	-----
12	184	218	293	242	154	103	-----	28	195	195	242	126	-----	154	-----
13	174	242	293	267	126	100	-----	29	195	174	195	126	254	135	-----
14	184	254	267	-----	108	92	-----	30	195	174	267	117	164	164	-----
15	386	195	242	-----	103	84	-----	31	-----	-----	218	117	-----	154	-----
16	267	195	218	350	100	84	-----								

NOTE.—Daily discharge based on a fairly well defined rating curve. On missing days from May 4 to November 2 the discharge was greater than 380 second-feet.

Daily gage height, in feet, of Cartecay River near Cartecay

Day	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919										
1	-----	3.0	2.5	2.9	2.6	3.1	2.4	2.3	2.1	2.2
2	-----	3.6	2.5	2.7	2.6	2.7	2.4	2.3	2.2	2.1
3	-----	3.6	2.5	2.6	2.6	2.5	2.4	2.2	2.2	2.1
4	-----	3.0	2.6	2.5	2.6	2.5	2.4	2.2	2.1	2.1
5	-----	2.8	2.5	3.0	2.6	2.5	2.4	2.2	2.1	2.0
6	-----	2.7	2.5	3.4	2.5	2.5	2.3	3.2	2.1	2.0
7	-----	2.6	2.4	3.4	2.5	4.7	2.3	2.4	2.1	2.0
8	-----	2.5	2.4	3.5	2.5	3.8	2.3	2.3	2.2	2.0
9	-----	2.6	2.5	4.5	2.5	3.0	2.3	2.4	2.2	2.0
10	-----	2.5	2.5	4.4	2.5	2.9	2.3	2.3	2.2	2.0
11	-----	2.5	2.4	4.4	2.7	2.8	2.3	2.2	2.2	2.0
12	2.0	2.4	2.4	3.0	2.7	2.7	2.2	2.1	2.4	2.2
13	2.0	2.4	2.6	3.0	2.7	2.7	2.2	2.1	2.1	2.1
14	2.1	2.4	3.0	2.9	2.6	2.7	2.2	2.1	2.1	2.0
15	3.0	2.4	2.7	2.8	2.6	2.6	2.2	2.1	2.1	2.0
16	4.0	2.3	2.5	2.9	3.4	2.6	2.2	2.1	2.1	2.0
17	3.0	2.5	2.5	2.8	3.0	2.5	2.2	2.1	2.1	2.0
18	2.6	2.6	2.5	3.0	2.8	2.5	2.4	2.2	2.1	2.0
19	2.4	2.5	2.4	2.8	2.7	2.5	2.3	2.8	2.0	2.0
20	2.4	2.5	2.4	2.8	2.6	2.5	2.2	2.6	2.0	2.1
21	3.0	2.4	2.6	2.6	2.6	2.5	2.2	3.0	2.0	1.9
22	-----	2.4	6.0	2.6	2.6	2.5	2.2	3.8	2.0	1.9
23	3.7	3.6	3.4	2.6	2.6	2.5	2.2	2.4	2.0	1.9
24	3.6	3.0	3.3	2.6	2.6	2.5	3.0	2.2	2.3	1.9
25	3.0	2.8	3.1	2.6	2.5	2.4	2.8	2.2	2.3	1.9
26	2.8	2.9	3.0	4.1	2.5	2.5	3.0	2.5	2.2	1.9
27	2.7	3.0	2.9	3.5	2.5	2.5	2.8	2.5	2.0	1.9
28	2.7	2.7	2.9	3.0	2.5	2.5	2.6	2.4	2.0	1.8
29	2.5	2.6	-----	2.8	2.5	2.5	2.3	2.3	2.0	1.8
30	2.5	2.6	-----	2.7	2.5	2.4	2.3	2.1	3.0	1.8
31	2.5	2.6	-----	2.6	-----	2.4	-----	2.1	2.3	-----

Daily gage height, in feet, of Cartecoy River near Cartecoy.—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-1920												
1-----	1.8	1.9	2.2	2.2	2.7	2.6	3.5	3.1	2.9	2.8	2.9	2.9
2-----	1.8	2.2	2.1	2.2	2.6	2.6	3.5	3.0	2.9	3.0	2.7	2.9
3-----	1.8	2.0	2.0	2.2	3.3	2.6	4.3	3.2	2.9	3.4	2.6	3.0
4-----	2.1	2.0	2.0	2.1	4.1	2.7	6.5	3.2	3.0	2.7	2.6	2.9
5-----	1.9	2.0	2.0	2.1	3.4	3.4	4.5	3.1	2.9	2.5	2.6	2.9
6-----	1.9	2.0	2.0	2.1	3.1	2.9	3.9	3.1	2.9	3.2	2.5	2.9
7-----	1.9	1.9	2.5	2.3	2.9	2.9	3.8	2.9	2.7	3.2	2.5	2.9
8-----	1.9	1.9	3.3	2.5	2.8	2.7	3.6	3.0	2.7	2.7	2.6	3.0
9-----	1.9	1.9	3.1	2.5	2.6	2.7	4.5	2.9	2.6	2.7	2.8	4.5
10-----	1.9	1.9	4.3	2.3	2.6	2.7	3.9	2.9	2.6	2.7	4.9	3.5
11-----	1.9	2.4	3.0	2.2	2.8	2.9	3.5	2.8	2.6	2.5	4.3	3.1
12-----	1.9	2.4	3.7	2.2	2.7	4.4	3.4	2.8	2.6	2.5	3.5	3.0
13-----	2.0	2.2	3.1	2.2	2.9	3.1	3.4	4.8	2.6	2.5	3.5	3.0
14-----	2.0	2.1	2.9	2.2	2.7	3.0	3.4	3.3	2.6	2.5	3.8	2.9
15-----	2.0	2.1	2.5	2.2	2.7	2.8	3.4	3.1	2.5	2.4	11.0	2.9
16-----	2.0	2.0	2.4	2.8	2.6	2.9	4.0	3.0	2.5	2.7	4.8	2.9
17-----	2.0	2.0	2.4	3.1	2.6	3.2	3.4	3.0	2.5	2.6	3.6	2.9
18-----	2.0	2.0	2.3	2.7	2.6	3.1	3.3	3.2	2.5	3.2	3.8	2.9
19-----	2.0	2.0	2.6	2.4	2.5	4.8	3.3	3.1	3.0	3.4	3.0	2.8
20-----	1.9	1.9	2.5	2.4	2.5	3.6	3.4	3.0	3.4	3.4	3.8	2.8
21-----	1.9	1.9	2.4	2.4	2.5	3.1	3.7	3.1	2.8	2.6	3.7	2.8
22-----	2.1	1.9	2.3	2.4	6.1	3.0	3.3	2.9	2.7	2.6	3.6	2.8
23-----	2.7	1.9	2.3	2.5	5.3	2.8	3.3	2.9	3.1	2.6	3.6	2.7
24-----	2.4	1.9	2.3	6.2	3.1	2.8	3.3	2.9	2.8	2.6	3.4	2.7
25-----	2.2	1.9	2.3	3.7	2.9	2.7	3.4	2.8	3.6	2.5	3.3	2.7
26-----	2.0	2.0	2.2	4.7	2.8	3.5	3.8	3.1	2.6	2.5	3.0	-----
27-----	2.0	2.0	2.2	3.6	2.7	2.9	3.6	3.0	2.6	2.5	3.2	-----
28-----	2.0	1.9	2.2	3.2	2.7	4.5	3.1	2.9	2.6	2.5	3.0	-----
29-----	1.9	1.9	2.2	3.1	2.7	4.1	3.1	2.9	2.6	2.4	3.0	-----
30-----	1.9	2.4	2.2	2.8	-----	3.5	3.1	2.9	2.6	2.4	3.0	-----
31-----	1.9	-----	2.2	2.7	-----	3.1	-----	2.9	-----	2.4	3.2	-----

COOSAWATTEE RIVER AT CARTERS, GA.

Location.—At the iron highway bridge at Carters, Ga., one-half mile below the mouth of Talking Rock Creek.

Drainage Area.—531 square miles.

Records Available.—August 15, 1896, to December 31, 1908, and from December 20, 1918, to September 30, 1920.

Gage.—Chain gage attached to the downstream side of the bridge.

Discharge Measurements.—Made from the downstream side of the bridge to which the gage is attached.

Channel and Control.—Bed of stream is mostly gravel and boulders, and is subject to slight changes, though the stage-discharge relation does not vary greatly.

Discharge measurements of Coosawattee River at Carters

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1919	Feet.	Sec.-ft.
April 29-----	2.80	1,120	Mar. 24-----	3.60	1,470
July 18-----	1.94	652	April 17-----	4.70	2,060
			April 17-----	4.68	2,050
1908			1920		
July 13-----	1.95	697	February 6-----	4.81	2,300
December 11-----	2.08	691			
1918					
December 21-----	3.55	1,490			

WATER POWERS OF GEORGIA

Daily gage height in feet, of Coosawatee River at Carters

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	7.0	5.0	4.6	2.8	2.7	8.0	2.9	1.65	1.2	2.9	1.4	2.5
2	4.5	6.5	10.5	2.8	2.7	4.2	2.65	1.9	1.2	2.45	1.9	2.5
3	4.0	5.0	6.0	2.7	3.35	2.75	2.4	1.55	1.35	2.35	1.75	2.4
4	3.6	4.0	5.0	2.7	2.9	2.25	2.3	1.45	1.75	2.25	1.7	2.25
5	3.6	6.0	5.5	2.7	2.75	1.95	2.25	1.4	1.55	1.95	1.7	2.15
6	3.5	9.0	4.8	2.8	2.85	1.85	2.2	1.3	1.45	1.75	1.8	2.0
7	3.5	6.0	4.7	2.8	4.4	1.8	2.1	1.4	1.4	1.6	1.7	2.0
8	3.4	5.0	4.6	2.9	3.15	3.25	2.1	1.4	1.55	1.6	1.7	1.9
9	3.3	4.5	4.5	2.9	3.45	2.9	2.0	1.3	1.45	1.6	1.95	2.1
10	3.3	4.0	4.5	2.8	3.05	2.8	2.15	1.3	1.4	1.6	3.0	3.75
11	3.1	3.5	4.5	2.8	3.6	2.7	2.3	1.3	1.5	1.55	2.5	3.2
12	3.0	3.3	4.4	2.7	2.9	2.6	3.5	1.2	1.45	1.5	1.95	3.15
13	3.0	3.2	4.0	2.7	2.9	2.5	2.75	2.15	1.4	1.5	1.75	3.0
14	2.9	3.1	3.8	2.8	2.8	2.5	2.3	2.0	1.4	1.5	1.7	2.95
15	2.8	3.1	3.8	2.8	5.5	2.5	2.2	1.9	1.35	1.5	1.7	2.8
16	2.8	3.0	3.7	2.7	3.75	2.4	2.1	1.75	1.3	1.5	1.6	2.8
17	2.8	3.0	3.7	2.7	3.1	2.4	2.0	1.5	1.3	1.45	1.6	3.1
18	2.7	3.0	3.6	2.7	3.0	2.4	2.0	2.05	1.3	1.4	1.85	2.9
19	2.7	3.0	3.6	2.7	2.9	2.55	1.9	1.95	1.3	1.4	2.05	2.85
20	4.0	2.9	3.5	2.8	2.75	2.5	1.85	1.9	1.2	1.4	1.8	2.75
21	3.0	2.9	3.4	2.8	2.55	2.4	2.05	1.65	1.2	1.4	1.8	2.7
22	2.8	2.9	3.3	2.9	2.5	2.4	1.85	1.6	4.0	1.4	2.9	3.1
23	2.7	3.0	3.1	4.6	2.5	2.35	1.8	2.05	10.4	1.4	5.8	4.7
24	2.7	3.5	3.0	4.0	2.45	2.3	2.0	1.95	2.85	1.6	8.7	2.95
25	2.8	3.7	2.9	3.5	2.4	3.5	1.95	2.65	1.95	1.5	5.0	2.85
26	3.0	3.9	2.8	3.2	5.0	2.5	1.85	2.35	1.7	1.45	2.7	2.7
27	2.8	4.8	2.8	3.0	3.75	2.4	1.8	2.7	1.5	1.4	2.6	2.85
28	2.8	4.0	2.7	2.8	2.65	2.3	1.8	1.85	2.25	1.4	2.55	3.0
29	2.7		2.7	2.8	2.0	2.2	1.8	1.75	6.0	1.4	2.5	10.7
30	2.7		2.7	2.7	1.95	2.2	1.95	1.4	3.25	1.4	2.5	7.2
31	2.8		2.8		4.2		1.85	1.4		1.4		4.2
1908												
1	3.9	4.2	3.15	3.3	3.65	2.85	1.6	1.2	3.8	1.0	1.8	1.7
2	3.7	2.95	3.25	3.25	3.45	2.75	1.75	1.2	1.25	1.0	1.8	2.0
3	3.9	2.8	3.25	3.15	3.4	2.65	1.8	1.35	1.2	.95	1.75	1.8
4	4.5	2.8	3.15	3.1	3.4	2.85	1.7	1.2	1.2	.95	2.4	1.6
5	6.8	3.25	3.1	3.35	3.7	3.05	1.95	1.3	3.0	.95	2.2	1.45
6	3.5	2.9	3.0	3.95	3.95	2.85	1.75	1.55	3.8	.95	2.0	2.7
7	2.9	2.8	3.0	3.7	5.8	2.65	1.7	1.3	2.6	.95	1.9	14.7
8	2.75	2.8	3.0	3.7	3.95	2.55	1.9	1.7	2.05	.9	1.85	5.0
9	2.65	2.95	2.9	3.55	3.75	2.45	2.1	2.35	2.0	1.75	1.65	2.75
10	2.6	6.7	2.9	3.45	3.45	2.35	3.55	1.85	1.9	2.2	1.55	2.35
11	4.2	4.8	3.0	3.4	3.35	2.3	3.3	1.55	1.85	2.05	1.35	2.15
12	6.2	4.0	3.15	3.3	3.3	2.2	3.2	1.4	1.8	1.55	1.3	2.5
13	5.0	4.6	3.15	3.2	3.2	2.5	3.3	1.4	1.65	1.35	1.2	2.35
14	4.2	4.0	3.05	3.2	3.05	2.7	3.15	1.3	1.45	1.2	1.2	2.15
15	3.9	14.0	3.0	3.95	2.75	2.4	3.05	1.3	1.35	1.1	1.15	1.65
16	3.75	5.5	2.9	5.2	2.6	2.2	2.95	1.3	1.3	1.1	1.6	1.4
17	3.6	3.75	2.8	4.4	2.5	2.15	2.75	1.45	1.2	1.05	1.45	2.25
18	3.35	3.45	2.8	6.2	2.85	2.1	2.55	1.8	1.1	1.05	1.25	2.35
19	3.25	3.4	2.7	4.9	3.05	2.05	2.3	1.45	1.1	1.0	1.2	2.2
20	3.15	3.9	2.7	4.0	2.75	1.95	2.05	1.4	1.1	1.0	1.1	2.9
21	3.0	3.55	2.85	3.9	2.65	1.85	1.85	1.4	1.1	1.0	1.1	2.55
22	2.75	3.45	3.65	3.75	2.55	1.8	1.65	4.6	1.1	.95	1.05	2.3
23	2.7	3.4	12.3	3.55	2.45	1.8	1.45	2.55	1.05	1.1	1.0	2.0
24	2.6	3.4	11.8	3.35	2.4	1.95	1.4	2.5	1.05	1.05	1.05	1.85
25	2.6	3.3	6.2	4.8	2.3	1.85	1.4	3.3	1.0	1.0	1.1	1.8
26	2.65	4.4	5.2	4.0	2.45	1.75	1.4	2.15	1.0	1.0	1.1	1.7
27	2.85	3.9	4.6	3.7	3.35	1.7	1.35	1.7	1.0	1.15	1.6	1.65
28	2.75	3.5	4.0	3.5	3.2	1.7	1.35	1.65	1.15	1.4	1.5	1.6
29	2.7	3.25	3.75	3.4	3.15	1.6	1.3	1.55	1.05	2.4	1.4	1.5
30	2.7		3.55	3.85	3.05	1.6	1.3	1.5	1.0	2.1	1.4	1.85
31	3.25		3.4		3.0		1.25	1.35		1.95		1.65

GEOLOGICAL SURVEY OF GEORGIA

Rating table for Coosawattee River at Carters, Ga., for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.90	260	2.30	840	3.70	1,675	6.20	3,410
1.00	290	2.40	890	3.80	1,740	6.40	3,560
1.10	320	2.50	940	3.90	1,805	6.60	3,700
1.20	350	2.60	1,000	4.00	1,870	6.80	3,850
1.30	390	2.70	1,060	4.20	2,000	7.00	3,990
1.40	430	2.80	1,120	4.40	2,130	8.00	4,710
1.50	470	2.90	1,180	4.60	2,270	9.00	5,430
1.60	510	3.00	1,240	4.80	2,410	10.00	6,150
1.70	550	3.10	1,300	5.00	2,550	11.00	6,870
1.80	590	3.20	1,360	5.20	2,690	12.00	7,590
1.90	640	3.30	1,420	5.40	2,840	13.00	8,310
2.00	690	3.40	1,480	5.60	2,980	14.00	9,030
2.10	740	3.50	1,545	5.80	3,130	15.00	9,750
2.20	790	3.60	1,610	6.00	3,270		

NOTE.—The above table is based on four discharge measurements made during 1907 and 1908 and measurements made prior to these years above gage height 3 feet. It is fairly well defined below gage height 8 feet.

Monthly discharge of Coosawattee River at Carters, Ga.

[Drainage area, 531 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1907					
January	3,990	1,060	1,400	2.64	3.04
February	5,430	1,180	1,970	3.71	3.86
March	6,510	1,060	1,930	3.63	4.18
April	2,270	1,060	1,200	2.26	2.52
May	2,910	665	1,320	2.49	2.87
June	4,710	590	1,100	2.07	2.31
July	1,540	590	771	1.45	1.67
August	1,060	350	577	1.09	1.26
September	6,440	350	850	1.60	1.78
October	1,180	430	532	1.00	1.15
November	5,210	430	1,000	1.88	2.10
December	6,650	640	1,430	2.69	3.10
The year	6,650	350	1,170	2.21	29.84
1908					
January	3,850	1,000	1,570	2.96	3.41
February	9,030	1,120	1,950	3.67	3.96
March	7,810	1,060	1,870	3.52	4.06
April	3,410	1,300	1,750	3.30	3.68
May	3,130	840	1,360	2.56	2.95
June	1,270	510	819	1.54	1.72
July	1,580	370	756	1.42	1.64
August	2,270	350	595	1.12	1.29
September	1,740	290	539	1.02	1.14
October	890	275	394	.742	.86
November	890	290	464	.874	.98
December	9,530	430	1,060	2.00	2.31
The year	9,530	275	1,090	2.06	28.00

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Coosawattee River at Carters, Ga.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1				3.4	3.6	4.7	3.6	3.5	2.6	3.0	2.2	2.4
2				8.0	3.4	4.6	3.6	3.9	2.5	2.9	2.05	2.2
3				4.5	3.3	4.5	3.5	3.8	2.4	2.9	1.9	2.0
4				4.2	3.2	4.4	3.5	3.4	2.4	3.5	1.85	1.9
5				3.2	3.2	5.0	3.4	3.1	2.35	3.4	1.8	1.8
6				3.1	3.4	8.0	3.4	3.2	2.35	7.1	1.75	1.7
7				3.0	3.2	6.0	3.4	12.0	2.3	4.0	1.7	1.5
8				3.1	3.2	5.5	3.3	11.0	2.25	3.0	2.4	1.4
9				4.0	3.1	11.8	3.3	8.0	2.25	2.8	1.8	1.3
10				3.5	3.1	8.4	3.3	4.1	2.2	2.7	1.7	1.3
11				3.2	3.9	6.0	7.0	3.8	2.4	2.5	1.65	1.3
12				3.0	4.5	5.5	4.0	3.8	2.3	2.4	3.5	2.5
13				2.9	3.0	5.0	3.5	4.0	2.25	2.4	2.5	1.5
14				2.8	4.0	5.0	3.4	4.1	2.2	2.5	2.0	1.4
15				2.8	3.5	4.8	3.3	3.4	2.1	2.4	1.9	1.3
16				2.8	3.5	4.5	5.0	3.2	2.05	2.3	1.8	1.3
17				3.5	3.4	4.4	4.8	3.2	2.05	2.4	1.75	1.3
18				7.0	3.3	4.2	4.0	3.0	2.4	2.5	1.65	1.3
19				3.7	3.2	4.0	3.8	3.0	2.2	3.0	1.6	1.5
20				3.7	3.1	3.8	3.7	2.9	2.1	2.6	1.6	1.5
21			3.2	3.6	6.0	3.7	3.6	2.9	2.05	2.5	2.0	1.4
22			18.5	3.6	11.0	3.6	3.5	2.9	2.6	2.4	1.9	1.4
23			4.2	5.0	8.0	3.6	3.4	2.8	2.4	2.4	1.8	1.5
24			4.0	4.0	7.0	3.6	3.3	2.9	2.4	3.0	3.0	1.45
25			3.9	4.1	6.0	3.6	3.2	2.9	3.8	2.6	2.6	1.45
26			3.8	10.5	5.5	8.0	3.1	3.0	4.2	2.4	2.5	1.4
27			3.6	8.0	5.0	5.0	3.0	2.8	7.0	2.3	2.4	1.35
28			3.4	6.0	4.8	4.5	3.0	2.8	3.1	2.2	2.4	1.3
29			3.6	4.6		4.1	3.0	2.7	3.0	2.1	2.6	1.3
30			3.5	4.0		3.8	2.9	2.6	3.0	2.6	3.8	1.25
31			3.5	3.7		3.7		2.6		2.4	2.6	
1919-1920												
1	1.2	1.5	2.5	2.05	5.5	3.2	10.0	5.1	3.6	2.4	2.3	3.4
2	1.2	2.5	2.4	2.05	9.0	3.1	24.5	5.1	3.5	2.6	2.6	3.2
3	1.2	2.4	2.45	2.0	8.0	3.0	14.0	6.2	3.9	5.0	2.4	5.6
4	1.1	2.3	2.3	2.0	5.7	3.5	15.0	5.2	3.8	4.5	2.4	4.0
5	1.1	2.0	2.2	1.95	5.6	6.4	11.5	5.0	3.6	3.4	2.3	3.8
6	1.1	2.0	2.8	1.9	5.0	4.0	8.5	4.8	3.4	3.3	2.3	3.5
7	1.1	1.9	2.8	1.9	4.0	3.6	7.5	4.6	3.3	3.2	2.2	3.2
8	1.1	1.8	4.6	2.0	3.9	3.4	7.2	4.5	3.2	3.1	2.1	3.0
9	1.05	1.75	14.0	2.6	3.7	3.3	8.2	4.4	3.1	3.4	3.0	4.0
10	1.05	1.7	12.0	2.5	3.6	3.6	7.3	4.3	3.0	3.5	3.5	4.5
11	1.05	2.6	5.0	2.5	5.4	3.9	6.3	4.3	3.0	3.3	7.0	4.2
12	1.15	3.0	4.0	2.4	5.0	5.8	6.0	4.25	2.9	3.2	5.4	4.1
13	1.2	2.9	5.0	2.4	4.3	4.6	6.0	9.5	2.9	3.2	5.0	4.0
14	1.2	2.8	4.5	2.35	4.0	3.8	7.0	6.0	2.8	3.2	19.0	4.3
15	1.3	2.4	4.0	2.35	3.8	4.5	6.5	5.6	2.8	3.3	15.0	4.5
16	1.35	1.7	3.5	3.6	3.75	3.0	6.0	5.0	2.7	4.0	11.0	3.6
17	1.4	1.7	3.2	3.8	3.6	7.0	5.5	4.5	2.6	3.6	6.0	3.3
18	1.5	1.65	3.1	2.5	3.6	5.6	5.3	4.3	2.5	3.3	5.5	3.2
19	1.5	1.65	3.0	2.5	3.5	6.9	5.1	4.8	3.1	4.6	5.4	3.0
20	1.5	1.6	2.9	2.4	3.4	6.4	5.0	4.6	3.0	4.4	13.0	3.0
21	1.7	1.6	2.8	2.4	3.3	6.2	9.5	4.5	3.1	4.1	8.0	2.9
22	2.6	1.55	2.7	2.35	12.5	6.0	8.0	4.3	3.3	3.8	7.2	2.8
23	6.4	1.55	2.6	2.8	14.0	5.5	6.0	4.0	3.0	3.5	6.0	2.8
24	3.0	1.5	2.5	14.0	8.0	5.0	5.0	4.0	2.8	3.4	5.6	2.8
25	2.4	1.5	2.4	8.0	6.0	6.0	5.0	3.9	2.6	3.2	5.0	2.8
26	1.8	1.5	2.35	7.0	4.5	6.5	5.0	4.5	2.5	3.1	4.8	
27	1.75	1.45	2.3	6.0	4.0	6.0	5.5	4.4	2.5	3.0	6.0	
28	1.7	1.45	2.2	5.5	3.5	7.0	5.4	4.3	2.6	2.9	5.0	
29	1.05	1.45	2.15	6.4	3.3	8.0	5.3	4.2	2.8	2.8	4.1	
30	1.6	2.6	2.1	5.8		5.2	5.2	4.0	2.5	2.6	3.8	
31	1.5		2.1	6.0		6.6		3.8		2.4	3.5	

OOSTANAULA RIVER AT RESACA, GA.

Location.—At Western & Atlantic Railroad bridge in Resaca, 400 feet upstream from new highway bridge, 3 miles below the junction of Conasauga and Coosawattee rivers, which form Oostanaula River.

Drainage Area.—1,610 square miles.

Records Available.—1891 to 1898 (gage heights by the United States Weather Bureau and discharge measurements and gage heights by the United States Geological Survey); 1899 to 1904 incomplete records of gage heights; continuous records January 1, 1905, to September 30, 1920.

Gage.—Heavy vertical timber attached to the downstream side of midstream pier of railroad bridge.

Discharge Measurements.—Made from railroad bridge or by wading.

Channel and Control.—Bed composed of sand; somewhat shifting. Right bank a high bluff; not subject to overflow; left bank high, but is overflowed at very high stages. Though the position of control is not exactly known, the fact that station rating has shown very little change in the past indicates that the control is practically permanent.

Regulation.—Probably a small amount from the few small mills upstream.

Discharge measurements of Oostanaula River at Resaca, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1913	Feet.	Sec.-ft.
July -----	3.37	1,330	October 22 -----	2.25	702
November 5 -----	2.69	1,030	1914		
1908			February 27 -----	3.70	1,530
December 12 -----	4.49	2,160	1915		
1910			November 1 -----	2.80	986
March 14 -----	4.20	1,840	1918		
May 28 -----	10.30	6,960	April 17 -----	8.13	4,650
May 28 -----	9.15	6,060	October 18 -----	1.64	514
1911			1919		
December 12 -----	2.24	747	March 23 -----	6.32	3,460
			October 16 -----	2.42	802

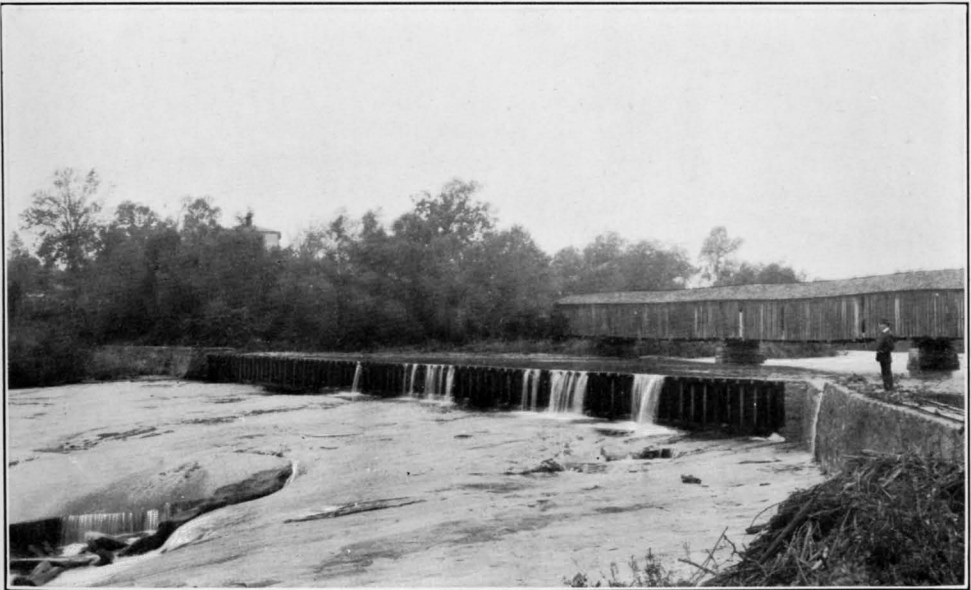
WATER POWERS OF GEORGIA

Daily gage height, in feet, of Oostanaula River, at Besaca, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	16.4	5.0	10.8	5.0	4.6	9.6	4.4	3.2	2.0	6.0	2.6	4.0
2	13.6	15.5	15.6	5.8	4.4	9.0	4.8	3.0	2.0	4.4	2.4	3.8
3	10.4	14.4	18.0	4.4	1.2	5.4	4.4	3.0	2.2	3.6	3.6	3.4
4	7.8	14.6	14.4	4.2	5.0	5.6	4.2	2.8	3.6	3.6	3.4	3.4
5	6.8	13.8	9.4	4.2	5.8	5.4	4.2	2.8	3.4	3.4	3.0	3.2
6	6.6	13.0	8.6	5.4	6.4	5.0	3.8	2.8	2.6	3.6	3.0	3.4
7	5.2	9.6	5.8	7.0	6.2	4.8	3.6	2.8	2.4	3.6	2.8	3.4
8	4.4	7.6	7.2	5.8	9.0	4.6	3.6	2.8	2.0	3.3	2.8	3.4
9	4.2	7.0	6.7	5.4	7.0	9.0	3.4	2.8	2.0	3.6	2.6	3.4
10	4.2	6.4	6.0	5.2	5.6	10.0	3.4	3.0	2.2	3.2	2.6	5.0
11	4.0	6.0	5.2	5.0	5.6	8.8	3.4	2.8	2.0	3.0	5.8	4.4
12	4.0	5.8	4.8	4.8	6.4	3.8	2.8	2.8	2.8	2.8	5.0	4.2
13	4.0	5.6	4.4	5.0	6.2	4.8	5.0	3.6	2.6	2.8	3.8	4.0
14	4.0	5.4	4.4	4.8	5.2	5.2	7.8	3.0	2.2	2.6	3.6	6.6
15	4.0	5.2	4.6	4.8	8.2	4.8	6.8	4.8	2.2	2.4	3.4	8.6
16	4.0	5.2	7.4	4.4	12.2	4.6	4.6	3.4	2.2	2.4	3.2	7.4
17	3.9	5.0	6.4	4.6	9.2	4.4	4.4	2.8	2.1	2.4	3.0	6.0
18	3.8	5.0	5.7	4.8	6.4	4.4	4.0	3.0	2.1	2.4	3.2	5.6
19	3.8	4.8	5.5	4.6	5.6	4.0	3.8	4.0	2.1	2.4	4.2	5.0
20	5.0	5.0	5.4	5.0	5.4	3.8	3.4	2.8	2.0	2.4	3.9	4.6
21	5.8	5.2	5.2	4.8	4.8	3.8	3.6	2.8	2.0	2.4	5.4	4.4
22	5.2	5.0	5.2	4.6	4.6	3.8	3.6	2.6	2.0	2.2	5.6	4.2
23	5.0	4.8	5.0	4.6	4.4	3.6	3.2	2.4	11.2	2.2	10.4	5.6
24	4.8	4.6	4.8	9.2	4.8	4.6	3.0	2.6	14.8	2.2	15.6	9.2
25	4.8	7.7	4.8	8.2	5.2	5.2	3.0	4.6	6.0	2.2	14.6	9.6
26	4.6	7.6	4.6	6.0	4.6	6.0	3.0	3.6	3.8	2.2	12.0	8.4
27	5.0	11.0	4.6	5.4	6.4	5.0	3.0	2.8	3.4	2.4	7.2	7.4
28	4.5	10.2	4.4	4.0	4.8	5.0	3.4	2.6	3.6	3.6	5.6	7.0
29	3.9	---	4.4	5.0	4.6	7.6	3.6	2.4	11.2	3.4	4.8	7.3
30	3.6	---	4.2	4.8	4.6	5.6	4.2	2.4	9.2	3.0	4.2	7.8
31	3.4	---	4.3	---	5.6	---	3.6	2.2	---	2.8	---	14.4
1908												
1	11.5	9.4	5.3	6.0	5.6	4.0	2.4	2.0	2.0	1.8	2.0	2.0
2	8.4	10.2	5.2	5.8	5.4	3.8	2.2	1.8	1.8	1.8	2.0	4.2
3	6.4	8.2	5.2	5.6	5.0	3.8	2.2	1.6	1.6	1.7	2.0	3.8
4	4.7	6.0	5.1	5.4	5.0	3.8	2.2	1.6	1.5	1.7	2.2	2.8
5	11.2	5.8	5.0	5.2	5.0	3.6	6.8	1.6	1.5	1.7	2.4	2.4
6	14.4	6.0	5.0	6.6	5.6	5.4	6.6	3.0	8.2	1.6	2.2	2.4
7	10.8	5.6	5.0	8.0	6.6	5.4	5.6	3.6	5.6	1.6	2.0	14.0
8	8.2	5.4	5.0	6.0	9.4	5.0	5.0	2.8	3.4	1.6	1.8	20.0
9	5.6	5.7	4.9	5.6	6.8	4.8	4.4	4.8	2.8	1.8	1.8	16.7
10	4.8	8.8	4.8	5.4	6.4	4.2	5.6	4.4	2.0	3.2	1.7	10.0
11	4.2	16.2	4.8	5.2	6.0	4.4	5.2	4.0	1.8	5.4	1.8	5.0
12	9.4	15.0	5.4	5.0	5.4	4.4	4.4	3.4	1.8	2.8	1.6	3.6
13	11.2	11.4	6.2	4.6	5.2	3.6	4.0	3.4	1.6	2.8	1.6	4.6
14	7.6	10.8	6.4	4.4	5.0	3.4	3.8	2.8	1.6	2.6	1.6	4.2
15	5.7	17.0	5.8	6.0	4.8	3.4	3.6	2.3	1.5	2.4	2.0	4.0
16	4.8	20.0	5.4	10.0	4.4	3.2	3.4	1.8	1.5	2.2	2.0	3.8
17	5.8	18.0	5.2	7.6	4.4	3.2	3.0	1.6	1.4	2.2	2.0	3.6
18	5.4	15.6	5.0	6.6	4.4	3.2	2.8	1.6	1.4	1.8	1.8	3.6
19	5.2	9.8	4.8	12.6	4.6	3.0	2.4	3.4	1.3	1.8	1.8	3.4
20	5.0	8.6	5.4	11.2	5.4	3.0	2.2	2.6	1.2	1.6	1.8	3.2
21	4.6	7.0	10.4	8.6	5.0	3.0	2.0	2.0	1.2	1.6	1.8	3.3
22	5.8	6.2	8.6	6.0	4.8	3.0	2.0	2.6	1.2	1.4	1.8	6.7
23	5.4	6.2	7.6	5.4	4.6	3.4	2.0	6.4	1.1	1.4	1.8	13.4
24	4.8	5.8	17.4	5.4	4.4	2.8	1.8	4.4	1.1	1.6	1.8	9.0
25	4.4	5.8	19.8	7.8	4.4	2.6	1.8	6.4	1.1	1.6	1.6	7.4
26	4.4	8.2	16.8	9.8	6.0	2.6	1.8	6.0	1.1	1.6	1.6	5.4
27	5.2	8.6	10.4	8.6	5.4	2.6	1.6	3.6	1.6	1.6	1.6	4.4
28	5.8	7.4	7.4	6.4	5.0	2.6	1.6	3.2	1.7	1.6	1.6	4.2
29	6.0	5.5	6.8	5.8	4.8	2.6	1.6	2.8	1.7	1.6	1.6	4.0
30	5.8	---	6.4	5.6	4.6	2.4	1.6	2.4	1.7	2.0	1.6	4.0
31	5.0	---	6.2	---	4.4	---	2.2	2.2	---	2.0	---	4.0



DAM, DUNLAP SHOALS, GEORGIA RAILWAY & POWER COMPANY, CHATTAHOOCHEE RIVER NEAR GAINESVILLE, GEORGIA.



PANOLA POWER PLANT, PANOLA ELECTRIC POWER COMPANY, SOUTH RIVER NEAR LITHONIA, GEORGIA.

GEOLOGICAL SURVEY OF GEORGIA

Rating table for Oostanaula River at Resacca, Ga., for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.10	310	2.80	1,055	4.50	2,155	7.40	4,650
1.20	340	2.90	1,110	4.60	2,230	7.60	4,850
1.30	371	3.00	1,170	4.70	2,305	7.80	5,050
1.40	404	3.10	1,230	4.80	2,380	8.00	5,250
1.50	439	3.20	1,290	4.90	2,455	9.00	6,280
1.60	476	3.30	1,350	5.00	2,530	10.00	7,420
1.70	515	3.40	1,410	5.20	2,690	11.00	8,640
1.80	556	3.50	1,475	5.40	2,850	12.00	9,930
1.90	599	3.60	1,540	5.60	3,010	13.00	11,280
2.00	644	3.70	1,605	5.80	3,170	14.00	12,680
2.10	691	3.80	1,670	6.00	3,340	15.00	14,120
2.20	740	3.90	1,735	6.20	3,520	16.00	15,600
2.30	790	4.00	1,800	6.40	3,700	17.00	17,100
2.40	840	4.10	1,870	6.60	3,880	18.00	18,600
2.50	890	4.20	1,940	6.80	4,060	19.00	20,100
2.60	945	4.30	2,010	7.00	4,250	20.00	21,600
2.70	1,000	4.40	2,080	7.20	4,450		

NOTE.—The above table is based on 14 discharge measurements made during 1904-1908, and is well defined below gage height 6 feet.

Daily discharge, in second-feet, of Oostanaula River at Resacca, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1-----	2,080	1,670	3,610	5,850	14,900	3,340	3,700	1,670	2,380	840	740	476
2-----	2,230	1,670	5,250	4,250	21,600	3,610	3,340	3,700	2,080	790	644	476
3-----	1,940	1,670	5,850	3,700	18,600	6,720	2,930	7,420	1,870	840	644	476
4-----	1,800	1,540	3,340	3,170	8,140	20,800	2,530	6,060	1,410	840	644	515
5-----	5,450	1,540	3,010	3,010	5,250	24,000	2,380	4,060	1,060	740	644	515
6-----	8,390	2,380	3,170	2,930	4,060	25,500	2,380	2,380	1,060	740	644	476
7-----	7,660	5,050	6,280	3,170	3,700	24,600	4,250	3,090	1,060	644	644	740
8-----	4,850	2,380	5,050	5,450	3,700	19,500	4,250	3,170	1,170	556	644	7,420
9-----	3,010	2,230	3,340	5,450	3,700	6,280	4,650	2,850	1,170	556	599	3,170
10-----	2,530	13,000	16,500	4,350	4,250	4,850	3,880	2,380	1,060	556	599	1,800
11-----	2,230	17,400	21,000	3,340	5,250	9,280	3,520	2,230	1,290	556	599	1,540
12-----	2,080	10,500	17,400	3,010	3,880	10,600	3,520	2,080	1,540	556	599	1,060
13-----	2,230	5,550	24,900	2,850	3,700	5,250	3,520	1,940	1,290	644	599	1,670
14-----	2,850	8,900	36,000	6,280	3,340	2,930	3,520	4,060	1,060	840	599	4,250
15-----	3,340	13,800	39,200	5,250	3,010	4,550	3,880	2,380	1,060	3,880	556	3,340
16-----	8,900	19,200	34,500	4,250	2,930	5,250	3,520	2,230	1,540	3,340	556	2,530
17-----	14,700	20,100	28,500	3,520	3,790	3,520	3,010	3,010	1,410	2,080	556	2,230
18-----	14,400	14,400	20,100	3,010	3,340	3,340	2,380	2,380	1,290	1,540	644	1,940
19-----	11,600	11,300	8,390	2,850	3,700	3,170	1,940	2,080	1,060	1,060	644	1,410
20-----	5,450	7,420	6,940	2,850	4,650	2,930	1,800	1,940	1,060	1,060	556	1,170
21-----	3,700	5,650	6,280	2,690	8,020	3,010	1,670	1,940	945	945	556	1,170
22-----	2,530	11,300	5,350	2,690	6,500	4,250	1,540	1,940	945	945	556	1,060
23-----	2,380	22,400	4,250	3,170	7,420	4,450	1,540	1,800	945	945	556	1,060
24-----	2,380	23,800	3,520	9,410	8,640	3,610	2,850	1,540	1,170	840	556	1,060
25-----	2,230	20,100	4,650	5,850	8,020	4,850	2,380	1,170	1,290	840	515	1,410
26-----	2,080	14,400	9,410	4,650	5,750	5,250	2,080	1,170	1,170	740	515	3,010
27-----	2,080	8,640	5,850	4,850	3,430	3,700	1,800	1,060	1,060	740	515	2,530
28-----	1,940	6,060	10,200	5,850	3,340	8,640	1,670	945	1,060	740	476	2,080
29-----	1,800	-----	13,800	5,650	3,170	6,060	1,540	945	945	740	476	1,800
30-----	1,940	-----	9,670	4,850	3,010	4,450	1,540	945	945	740	476	1,540
31-----	1,670	-----	7,900	-----	3,010	-----	1,670	3,170	-----	740	-----	1,410

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga.
—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1910												
1	1,380	1,380	5,160	1,140	1,630	2,650	5,160	1,900	6,140	2,650	726	920
2	1,140	1,380	7,160	1,030	1,500	2,500	5,160	1,760	6,780	1,380	726	820
3	1,140	1,260	5,690	920	1,380	2,500	7,730	1,630	5,240	1,140	820	820
4	1,030	1,380	4,450	920	1,260	2,500	9,270	1,630	2,730	1,140	820	920
5	1,030	1,500	3,770	820	1,140	2,650	6,970	4,280	1,970	1,140	870	1,500
6	1,030	1,500	2,880	820	1,260	8,500	6,410	3,270	1,760	1,140	920	10,200
7	2,800	1,500	2,650	820	1,380	7,350	6,970	4,110	1,630	1,140	920	8,310
8	4,280	1,380	2,350	820	2,960	4,980	6,050	3,680	1,630	1,140	870	5,160
9	3,940	1,380	2,200	820	9,660	3,270	5,330	3,110	1,630	1,380	870	2,500
10	2,200	1,260	2,040	820	8,110	3,110	5,870	2,350	1,630	1,260	820	1,900
11	1,760	1,320	2,960	772	5,510	6,600	5,510	2,040	1,500	1,260	820	1,760
12	1,630	3,270	2,800	772	3,430	6,780	5,690	1,760	1,260	1,140	772	1,760
13	1,500	3,430	2,350	820	2,800	5,510	5,510	1,760	1,030	1,140	772	1,630
14	1,500	2,500	2,040	820	2,650	4,630	5,160	1,630	1,030	1,030	772	1,380
15	1,380	1,900	1,900	820	2,350	3,940	4,540	1,630	1,030	1,030	772	1,140
16	1,380	1,630	1,500	1,630	2,200	3,270	4,110	1,500	1,030	920	726	1,030
17	1,260	2,350	1,380	7,540	2,960	3,770	3,600	1,380	1,030	920	726	920
18	1,030	9,460	1,380	8,310	4,110	3,600	3,110	1,380	1,030	920	726	870
19	1,500	9,860	1,380	4,450	4,450	2,650	2,960	1,380	1,030	820	726	870
20	1,760	6,780	1,380	2,650	7,160	2,650	2,800	1,380	1,030	820	726	820
21	2,350	3,600	1,630	1,760	14,600	3,940	2,500	1,380	1,030	820	726	820
22	2,800	2,800	1,500	1,760	16,400	3,270	2,650	1,500	1,030	726	726	820
23	2,500	2,650	1,380	1,760	14,800	2,960	2,500	1,630	1,030	726	726	820
24	2,500	2,650	1,380	1,760	10,600	2,800	2,350	1,630	920	640	726	1,140
25	2,350	2,500	1,320	1,760	12,200	2,960	2,270	1,630	920	640	726	1,380
26	2,350	2,270	1,320	1,900	10,800	3,110	2,120	1,630	920	640	726	1,260
27	2,200	2,200	1,320	1,900	10,400	2,800	2,270	1,630	920	640	726	1,140
28	2,200	2,200	1,320	2,200	7,730	2,800	3,270	1,630	920	820	1,030	1,140
29	2,270	-----	1,320	1,900	3,770	4,630	2,270	1,630	1,030	1,030	1,140	1,140
30	2,040	-----	1,200	1,760	3,430	3,110	1,900	1,630	2,200	920	1,140	1,500
31	1,900	-----	1,200	-----	2,880	-----	1,900	1,630	-----	820	-----	1,760
1911												
1	2,350	1,760	2,960	1,500	2,650	1,380	1,140	560	522	390	560	1,030
2	5,870	1,900	2,800	1,380	2,960	1,380	1,030	640	522	390	560	1,030
3	14,400	1,900	3,270	1,380	2,500	1,380	1,030	1,140	522	390	486	920
4	16,600	1,900	2,960	1,500	2,350	1,380	1,030	1,030	522	360	486	920
5	15,000	2,200	2,800	5,330	2,200	1,380	1,380	920	600	360	452	972
6	12,600	2,200	2,200	13,900	2,040	1,380	1,760	726	640	360	420	972
7	9,270	2,200	2,350	10,300	1,900	1,380	1,630	1,900	640	360	1,140	972
8	3,270	2,500	2,270	8,110	1,760	1,260	1,500	1,630	600	360	4,370	972
9	2,800	6,050	2,270	16,300	1,760	1,260	1,380	1,500	522	360	2,500	920
10	2,730	7,920	2,200	17,800	1,630	1,260	1,380	1,500	486	360	1,900	820
11	2,580	8,110	2,040	15,600	1,630	1,140	1,760	1,260	486	1,760	1,900	726
12	2,350	9,660	1,900	11,400	1,630	1,140	1,760	1,140	486	820	1,760	726
13	2,200	6,410	1,760	6,410	1,500	1,080	1,630	560	486	640	2,500	726
14	2,040	4,110	1,760	1,970	1,500	1,080	2,200	560	486	522	2,420	726
15	1,760	3,270	1,630	1,630	1,500	1,030	2,040	522	486	522	2,200	972
16	1,760	3,110	1,630	2,650	1,500	1,030	1,900	560	486	522	1,380	1,080
17	1,630	2,960	1,500	3,270	1,380	1,030	1,760	640	486	3,270	1,260	1,140
18	1,630	2,800	1,380	2,960	1,380	1,030	1,500	920	486	9,070	1,140	1,320
19	1,570	2,650	1,380	3,270	1,380	1,030	1,260	920	486	4,110	2,500	1,320
20	1,500	3,270	2,350	7,920	1,500	1,500	1,030	820	452	2,200	1,330	1,440
21	1,500	4,980	2,650	7,730	1,630	1,900	820	726	452	1,140	1,140	1,630
22	1,500	4,370	2,350	6,140	1,900	1,900	726	640	452	820	972	2,500
23	1,380	2,730	1,900	3,940	3,110	1,140	1,140	600	452	772	920	7,730
24	1,260	2,500	1,630	2,960	4,980	1,140	1,260	600	452	772	820	6,600
25	1,140	2,350	1,500	2,800	2,650	1,140	1,760	600	452	726	820	5,690
26	1,260	2,350	1,630	2,650	2,120	1,030	1,200	560	452	726	820	4,720
27	1,500	2,650	2,350	2,500	1,690	1,030	870	560	420	726	920	9,660
28	1,630	3,770	3,600	2,500	1,630	1,140	772	560	420	640	1,140	10,200
29	1,500	-----	2,040	2,880	1,630	1,380	726	560	420	640	1,260	9,170
30	1,760	-----	1,630	2,730	1,500	1,260	560	522	390	640	2,650	7,730
31	2,040	-----	1,500	-----	1,380	-----	560	522	-----	640	-----	3,940

NOTE.—These discharges were obtained from a rating curve which is well defined below 7,700 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga.
—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912												
1	6,050	6,970	5,600	20,100	7,920	4,280	1,900	1,760	870	920	726	560
2	5,690	2,960	4,110	16,000	5,510	3,430	2,500	2,200	820	820	1,140	560
3	4,800	2,500	3,150	10,300	4,630	2,500	3,270	1,900	820	820	920	560
4	4,110	2,350	3,270	5,510	4,450	4,450	2,960	1,760	820	820	820	1,140
5	3,430	2,200	3,940	4,110	3,940	2,800	3,270	1,630	870	1,380	772	4,110
6	2,730	2,200	6,050	4,110	4,110	2,800	8,210	1,630	920	1,030	726	4,540
7	2,120	2,120	5,870	3,940	4,630	2,880	5,510	1,380	870	820	1,440	4,540
8	2,350	2,040	5,510	3,850	7,730	2,800	3,600	1,760	820	820	1,440	2,960
9	5,160	1,970	4,980	3,680	6,230	2,650	2,500	3,270	726	820	1,380	1,760
10	4,280	1,900	5,690	3,430	4,630	2,500	2,200	6,690	726	820	1,260	1,080
11	3,270	1,900	5,160	3,270	3,270	2,270	2,960	5,160	682	726	1,140	870
12	2,880	1,830	4,540	3,110	3,270	2,120	3,270	3,350	682	726	1,030	772
13	2,650	1,760	4,110	2,960	3,110	2,040	3,600	2,500	640	640	972	772
14	2,270	1,900	4,200	2,960	2,960	2,350	2,650	2,200	640	726	870	772
15	2,040	10,100	11,000	3,110	2,960	4,110	2,500	2,040	640	1,500	870	772
16	1,900	14,000	15,800	4,800	3,040	4,110	2,200	1,760	640	1,140	870	870
17	1,630	11,600	13,600	7,060	2,960	3,350	2,040	1,760	640	820	870	1,440
18	1,380	8,980	9,950	6,050	2,800	3,600	2,040	2,650	640	820	820	1,260
19	3,040	6,780	5,160	5,420	2,800	2,500	2,420	2,500	1,140	1,030	820	1,140
20	2,650	6,050	4,280	4,630	2,650	1,900	2,350	2,120	1,500	3,940	820	1,140
21	2,270	5,160	3,680	4,110	2,500	1,760	2,200	1,900	1,500	2,500	772	1,140
22	1,760	10,600	3,270	4,110	2,350	1,760	2,200	1,760	1,500	1,260	772	1,260
23	1,760	8,690	3,270	12,600	2,200	1,630	2,200	1,630	2,800	1,140	772	1,500
24	1,380	6,320	9,680	6,970	2,120	1,630	2,200	1,630	5,870	1,140	726	2,200
25	1,380	12,100	12,800	5,240	2,040	2,500	2,040	1,500	3,040	1,030	726	2,960
26	1,380	16,100	11,600	4,110	1,900	6,050	2,040	1,500	1,900	920	682	2,500
27	1,440	11,100	6,780	4,280	1,830	6,780	2,200	1,260	1,140	820	640	2,350
28	1,440	6,320	4,980	10,600	1,760	4,800	2,040	1,140	920	726	640	1,900
29	6,780	6,140	16,300	9,660	3,850	2,960	1,900	920	820	682	640	1,900
30	12,100	-----	19,800	11,000	10,900	2,350	1,900	920	820	682	640	1,760
31	8,880	-----	21,600	-----	5,870	-----	1,970	920	-----	640	-----	4,110
1913												
1	4,110	5,870	18,000	5,510	2,120	1,760	1,500	1,030	640	-----	-----	-----
2	3,270	5,690	17,400	4,280	2,120	2,500	1,380	1,630	640	-----	-----	-----
3	2,880	4,980	14,600	4,110	2,120	3,110	1,380	1,500	600	-----	-----	-----
4	4,110	6,780	5,870	3,600	2,040	3,770	1,380	1,140	600	-----	-----	-----
5	3,680	5,870	4,980	3,430	2,040	3,110	1,900	972	600	-----	-----	-----
6	2,880	4,720	3,680	3,430	2,040	2,500	1,500	870	560	-----	-----	-----
7	2,500	3,270	3,270	3,270	1,970	2,500	1,380	772	560	-----	-----	-----
8	2,650	3,110	2,960	3,110	2,500	2,800	1,140	726	560	-----	-----	-----
9	3,270	2,880	2,800	2,730	2,880	6,780	1,140	726	560	-----	-----	-----
10	3,110	2,500	4,110	2,730	2,350	4,980	1,030	640	560	-----	-----	-----
11	2,960	2,960	7,730	3,110	1,970	4,110	1,030	640	560	-----	-----	-----
12	4,280	11,600	6,780	2,960	1,900	2,650	1,630	560	522	-----	-----	-----
13	7,250	8,980	4,980	2,880	1,830	2,350	2,500	560	522	-----	-----	-----
14	5,160	7,250	14,000	2,880	1,830	2,200	1,900	560	486	-----	-----	-----
15	3,270	3,940	18,800	2,800	1,630	2,200	1,500	1,900	486	-----	-----	-----
16	2,500	3,600	22,200	2,800	1,570	2,040	1,260	1,630	486	-----	-----	-----
17	2,500	3,270	21,600	2,730	1,570	2,040	1,140	1,030	486	-----	-----	-----
18	3,110	3,110	17,300	2,650	1,760	2,040	1,030	920	486	-----	-----	-----
19	4,720	2,880	7,730	2,750	1,760	2,040	920	820	486	-----	-----	-----
20	3,850	2,960	4,980	2,500	1,760	1,970	820	726	560	-----	-----	-----
21	2,800	7,920	5,420	2,500	1,760	1,970	770	640	560	-----	-----	-----
22	3,110	6,780	9,270	2,500	1,760	2,350	820	640	1,320	-----	-----	-----
23	3,110	4,980	8,110	2,350	2,040	2,200	820	640	1,140	-----	-----	-----
24	3,600	4,280	5,870	2,350	8,690	2,040	820	640	820	-----	-----	-----
25	7,920	3,270	4,200	2,350	7,730	1,760	820	600	640	-----	-----	-----
26	7,920	2,880	4,540	2,350	6,050	1,630	1,570	522	560	-----	-----	-----
27	9,070	7,350	12,800	2,270	4,450	1,500	4,110	522	486	-----	-----	-----
28	11,100	17,000	15,600	2,270	3,270	1,500	2,500	522	452	-----	-----	-----
29	8,980	-----	16,100	2,200	2,120	1,500	1,440	522	486	-----	-----	-----
30	8,210	-----	14,000	2,200	1,760	1,500	1,140	1,260	4,110	-----	-----	-----
31	7,440	-----	8,310	-----	1,760	-----	1,140	640	-----	-----	-----	-----

NOTE.—Daily discharge computed from a rating curve well defined below 7,700 second-feet.

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913-1914												
1-----	3,270	500	990	2,340	3,940	1,350	5,420	2,490	780	500	500	590
2-----	680	500	1,750	2,040	3,270	1,350	4,110	1,960	680	680	500	500
3-----	590	500	1,470	1,890	2,040	1,230	3,430	1,750	680	590	500	590
4-----	500	500	990	1,820	2,040	1,110	2,960	1,750	680	590	680	780
5-----	420	500	880	1,750	1,470	1,110	2,490	2,340	635	590	990	680
6-----	420	500	880	1,750	1,750	1,110	2,420	2,490	635	990	880	590
7-----	380	500	935	1,410	6,780	1,110	1,610	2,190	590	635	1,110	590
8-----	380	500	1,350	1,350	5,510	1,110	1,750	1,890	990	590	1,110	500
9-----	380	500	1,110	1,350	3,270	990	4,110	1,890	730	590	880	500
10-----	380	500	990	1,350	2,260	990	3,430	1,540	680	590	1,110	500
11-----	380	500	880	1,350	2,040	990	2,490	1,410	635	590	1,110	500
12-----	345	500	780	1,230	2,040	1,540	1,890	1,230	635	590	1,540	500
13-----	345	500	730	1,110	2,040	3,270	2,880	1,110	635	590	1,230	420
14-----	345	500	730	1,110	2,340	3,270	2,490	1,110	590	680	1,350	420
15-----	345	500	730	990	2,490	2,040	11,600	1,050	590	680	3,270	420
16-----	345	500	680	880	2,190	1,750	10,600	1,050	680	2,490	1,890	420
17-----	345	500	680	730	1,750	1,540	7,160	990	680	2,880	1,350	420
18-----	345	500	635	590	1,610	1,470	4,110	990	780	6,780	990	420
19-----	590	500	635	590	1,540	1,350	2,040	935	830	5,420	780	500
20-----	420	500	590	590	2,420	1,350	2,190	935	830	3,270	500	500
21-----	420	500	590	590	1,610	1,470	5,870	880	780	2,650	500	460
22-----	420	500	590	590	1,610	1,750	4,540	880	780	2,190	500	460
23-----	500	500	680	590	1,350	1,540	2,960	780	730	1,110	500	420
24-----	420	500	830	590	1,470	1,290	2,720	780	680	880	500	420
25-----	380	500	990	780	1,610	1,230	2,490	680	590	780	830	420
26-----	380	500	1,110	1,110	3,110	1,350	2,190	635	590	680	990	420
27-----	380	460	1,230	990	1,610	1,290	2,040	635	590	590	590	380
28-----	1,110	460	1,230	880	1,540	1,290	1,890	635	500	590	590	380
29-----	880	460	1,610	780	-----	1,410	1,750	635	590	590	990	380
30-----	590	460	1,890	780	-----	1,410	2,880	590	500	590	1,110	380
31-----	500	-----	2,490	2,340	-----	5,960	-----	590	-----	500	880	-----
1914-1915												
1-----	380	500	730	6,050	7,730	3,270	2,490	1,750	1,750	1,110	500	1,110
2-----	380	460	1,750	4,110	17,000	3,040	2,490	1,470	1,610	1,230	500	1,110
3-----	420	460	1,540	3,430	18,100	2,800	2,190	1,350	1,470	2,190	1,110	880
4-----	420	460	8,690	3,110	14,600	2,650	2,110	1,230	1,470	2,190	990	830
5-----	380	460	13,600	2,880	10,300	3,430	2,110	1,170	1,350	3,270	780	3,270
6-----	380	460	10,800	2,490	6,870	6,140	2,110	1,110	1,350	3,770	680	4,980
7-----	380	460	8,690	9,370	4,630	5,160	1,960	1,110	1,470	2,490	590	3,270
8-----	380	460	5,160	6,780	4,110	4,450	1,960	2,720	1,610	2,650	500	1,820
9-----	80	500	4,110	4,110	3,680	4,110	1,750	10,100	1,750	2,190	500	1,110
10-----	345	590	1,410	3,270	3,270	3,270	1,750	6,870	1,750	2,040	990	990
11-----	420	590	1,230	2,650	3,040	2,960	1,750	2,800	1,470	2,040	680	830
12-----	420	500	1,110	4,110	2,720	2,800	1,890	2,490	1,470	1,750	1,110	780
13-----	420	500	1,110	6,230	2,720	2,800	1,960	2,110	1,750	1,610	2,490	780
14-----	420	500	1,750	4,630	2,720	2,650	2,040	3,270	2,190	1,750	1,350	730
15-----	2,650	680	1,110	4,110	4,540	2,490	2,040	2,490	2,340	1,610	1,350	780
16-----	7,540	590	990	5,330	7,730	2,490	1,890	2,490	2,490	1,610	1,750	780
17-----	4,110	500	830	4,110	4,720	2,960	1,750	2,110	2,800	1,890	1,610	680
18-----	1,350	500	730	3,680	3,850	2,960	1,610	1,890	2,960	1,750	780	635
19-----	1,230	500	730	5,870	3,430	2,960	1,610	1,750	2,490	1,610	780	500
20-----	1,110	500	880	4,980	2,880	2,960	1,540	1,610	1,470	1,350	1,170	420
21-----	880	500	1,110	3,940	4,980	2,570	1,470	1,470	1,230	1,110	2,800	345
22-----	730	500	1,350	3,270	2,490	2,650	1,470	1,410	1,170	1,750	1,610	310
23-----	590	460	1,750	3,040	2,340	2,490	1,470	1,350	1,110	1,470	1,290	310
24-----	590	460	1,890	4,110	8,210	2,490	1,470	1,350	990	1,230	1,290	275
25-----	590	460	6,780	7,920	7,160	2,340	1,470	1,350	830	1,110	1,110	880
26-----	590	460	15,400	8,500	4,630	2,340	1,470	1,610	780	1,110	990	590
27-----	500	460	16,600	6,500	3,940	2,340	1,410	2,110	780	990	990	500
28-----	500	460	14,600	4,230	3,270	2,190	1,410	2,040	830	780	830	500
29-----	500	460	12,600	3,770	-----	2,490	1,610	1,470	990	680	2,490	460
30-----	500	730	12,000	3,600	-----	2,490	2,040	1,350	990	590	1,610	590
31-----	500	-----	9,460	3,510	-----	2,490	-----	1,350	-----	545	1,110	-----

NOTE.—Daily discharge determined from a rating curve well defined below 7,000 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-1916												
1-----	3,270	830	1,540	16,600	7,540	6,970	1,890	1,410	1,540	1,110	2,490	880
2-----	3,680	780	1,470	12,300	12,800	7,250	1,890	1,290	1,540	1,110	2,490	880
3-----	1,750	780	1,410	4,540	15,600	8,110	1,890	1,290	1,350	1,110	2,490	830
4-----	1,470	780	1,290	4,540	14,400	6,140	1,890	1,290	1,230	1,110	2,490	830
5-----	7,730	680	1,110	3,510	8,310	4,450	1,890	1,290	1,230	1,110	2,340	830
6-----	8,310	590	1,110	3,110	4,800	3,680	1,890	1,290	1,230	1,110	2,110	830
7-----	2,040	590	1,110	3,680	4,370	4,110	2,040	1,290	1,540	1,410	2,110	830
8-----	1,890	590	1,110	3,680	3,430	5,330	1,750	1,230	1,540	5,420	2,110	830
9-----	1,750	680	1,110	3,680	3,600	4,540	2,110	1,230	1,350	16,100	2,110	830
10-----	1,540	680	1,110	3,270	4,280	3,600	2,110	1,110	1,110	20,000	3,680	2,110
11-----	1,470	730	1,110	3,110	3,680	3,270	1,960	1,110	1,110	22,600	3,270	830
12-----	1,410	780	1,750	2,720	3,270	3,110	1,750	1,110	1,750	23,600	2,490	830
13-----	1,410	880	2,040	4,110	2,880	2,880	1,750	990	3,270	23,700	2,490	830
14-----	1,290	1,110	1,750	6,970	3,430	2,490	1,750	990	1,750	22,000	2,490	830
15-----	2,190	2,190	1,350	7,160	2,880	2,490	1,750	935	2,490	17,600	3,270	830
16-----	1,750	3,680	1,470	4,110	2,800	2,490	1,750	935	5,690	9,660	2,490	830
17-----	1,470	3,430	1,610	4,110	2,650	2,490	1,750	830	5,690	7,250	2,490	830
18-----	1,610	1,110	7,350	3,110	2,650	2,490	1,750	830	2,880	9,170	2,110	830
19-----	2,040	2,490	17,200	2,960	2,490	2,340	1,750	830	2,490	10,200	1,750	830
20-----	4,110	2,110	15,400	2,650	2,340	2,260	1,750	830	2,110	8,690	1,750	830
21-----	4,540	1,750	12,600	2,490	2,110	2,190	1,750	830	1,750	5,870	1,750	830
22-----	3,270	1,290	6,780	4,110	2,110	2,110	1,750	830	1,410	5,870	1,410	830
23-----	3,270	1,290	3,270	8,500	1,960	1,960	1,540	4,450	1,110	9,170	1,410	830
24-----	2,340	1,290	2,720	8,690	6,600	1,960	1,540	5,600	1,110	8,690	1,410	830
25-----	1,350	1,110	2,490	8,690	5,870	1,960	1,540	3,430	1,750	8,210	1,410	830
26-----	1,350	1,110	3,940	4,110	3,600	1,960	1,540	2,040	1,890	5,420	1,410	830
27-----	1,350	2,650	3,270	3,600	2,880	2,340	1,540	1,540	1,890	4,980	1,410	830
28-----	1,230	2,490	2,880	3,040	2,650	2,650	1,410	1,540	1,540	3,270	1,110	830
29-----	1,110	2,340	13,200	2,800	4,720	2,490	1,410	1,410	1,410	3,270	1,110	830
30-----	1,050	1,750	18,000	2,490	-----	2,340	1,410	1,890	1,110	3,270	1,110	2,110
31-----	935	-----	19,600	2,490	-----	2,040	-----	2,340	-----	2,880	1,110	-----
1916-1917												
1-----	830	1,110	1,410	3,270	7,250	5,870	7,730	2,500	4,110	1,760	1,760	2,500
2-----	830	780	1,350	3,190	14,300	11,500	6,690	2,420	2,240	1,380	1,690	2,420
3-----	780	830	1,110	3,270	10,600	14,100	5,870	2,500	1,760	1,440	3,270	2,500
4-----	830	830	1,110	8,690	5,870	19,100	4,980	2,500	1,760	1,380	2,420	1,690
5-----	830	780	1,050	5,780	4,450	25,000	10,100	4,020	1,690	1,440	1,760	1,140
6-----	780	830	1,750	5,690	4,110	26,800	7,730	2,500	1,760	1,380	1,690	1,080
7-----	830	780	1,050	5,330	3,190	24,500	11,500	21,420	1,690	3,270	1,760	1,140
8-----	830	830	1,110	4,110	3,270	21,100	7,730	2,500	1,760	1,690	3,190	1,080
9-----	780	780	2,420	3,600	2,800	15,500	6,690	2,420	2,420	1,760	8,500	1,140
10-----	1,750	830	1,750	3,270	2,490	7,730	5,870	2,500	7,730	1,690	4,720	1,080
11-----	1,110	830	1,750	2,490	2,490	4,980	5,870	2,500	3,270	1,760	2,500	870
12-----	830	780	1,680	2,040	2,420	4,890	4,890	2,420	2,420	1,690	2,420	600
13-----	780	830	1,750	2,110	2,490	4,980	4,980	2,500	2,500	1,760	1,760	640
14-----	590	1,110	1,750	5,870	2,960	4,980	4,540	1,760	1,760	1,690	1,690	600
15-----	590	1,050	1,350	6,230	2,570	5,330	4,020	2,040	1,690	1,760	1,760	640
16-----	545	1,110	1,110	9,170	3,270	4,980	4,110	2,120	1,760	1,690	1,690	600
17-----	590	1,050	1,050	10,100	3,190	4,890	4,020	2,040	1,690	1,760	1,760	640
18-----	590	1,110	1,110	7,730	3,680	9,660	3,850	2,120	1,760	1,690	1,690	1,690
19-----	1,050	780	2,420	5,780	8,110	8,590	3,600	2,040	1,690	2,500	1,760	640
20-----	1,750	830	1,750	5,870	15,900	5,870	3,270	1,900	2,500	2,420	1,080	600
21-----	1,410	830	1,610	5,420	18,600	5,870	3,270	1,140	2,120	2,500	1,140	640
22-----	1,110	780	2,040	7,160	18,500	11,500	3,190	1,080	2,420	2,420	1,080	600
23-----	1,050	830	2,110	11,100	15,600	12,600	3,270	1,760	2,500	2,500	1,140	640
24-----	830	2,110	2,110	9,660	12,600	18,100	3,270	1,760	1,760	2,420	1,080	1,690
25-----	830	1,680	1,680	6,690	10,100	22,500	2,800	1,690	1,690	2,500	1,140	1,140
26-----	780	1,410	1,750	4,980	6,320	24,600	2,730	1,760	1,760	2,420	1,080	1,080
27-----	830	1,350	1,680	3,600	4,890	23,500	2,420	1,690	1,690	2,500	870	1,140
28-----	830	1,410	3,270	2,490	4,540	22,600	2,500	1,760	1,760	3,190	600	4,020
29-----	780	1,350	10,500	2,420	-----	22,000	2,420	1,690	1,690	2,500	640	5,870
30-----	830	1,750	8,690	4,980	-----	19,600	2,500	1,760	1,760	1,690	600	2,420
31-----	1,750	-----	5,870	4,980	-----	15,600	-----	1,760	-----	1,760	640	-----

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga.

—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-1918												
1	1,760	2,200	452	640	19,900	2,420	820	4,890	820	1,380	2,650	522
2	1,080	2,040	390	600	18,900	1,830	820	4,020	820	1,080	1,440	452
3	1,140	1,760	420	640	16,600	1,760	870	3,270	870	870	1,380	640
4	1,080	1,380	390	600	8,590	1,380	820	2,420	820	600	1,080	2,420
5	870	1,140	2,120	640	4,540	1,080	820	1,690	820	600	772	2,040
6	820	772	1,080	1,690	2,880	1,140	2,120	1,140	870	640	640	1,760
7	870	640	640	1,760	1,690	2,040	1,440	1,080	1,690	600	870	1,380
8	820	560	600	1,080	1,380	1,830	9,070	1,080	3,190	600	772	1,080
9	870	600	640	640	1,760	1,760	12,600	1,760	2,880	640	600	870
10	820	560	600	452	2,120	2,120	11,600	1,140	2,500	560	486	772
11	870	600	640	3,270	2,420	1,900	9,560	1,080	2,040	420	420	726
12	820	522	600	11,500	2,420	1,690	3,190	1,080	1,690	420	420	682
13	920	560	640	10,100	2,500	1,140	2,500	1,760	3,270	452	452	640
14	600	486	600	6,690	2,420	820	1,690	6,690	2,420	420	420	600
15	640	486	640	9,660	2,420	820	1,080	5,780	1,690	420	420	522
16	600	420	600	8,590	2,880	870	4,110	4,980	1,440	452	2,880	522
17	640	452	640	5,160	8,590	820	4,890	3,190	1,080	420	3,190	420
18	560	420	600	3,600	4,890	820	4,890	2,420	1,080	420	2,420	522
19	1,440	452	640	2,500	8,690	870	3,270	1,140	2,500	1,440	1,760	640
20	3,190	560	560	2,040	6,780	870	2,500	2,120	1,140	3,270	1,140	820
21	2,120	452	600	2,120	5,780	1,690	5,330	3,190	1,080	2,800	820	972
22	820	420	560	2,420	4,890	1,690	5,780	2,800	820	2,420	682	870
23	820	452	600	3,270	4,720	1,440	2,500	2,500	640	1,760	640	870
24	600	420	560	2,800	4,450	1,080	1,690	1,690	600	1,080	600	772
25	640	420	600	2,500	4,280	920	1,080	1,380	1,380	1,030	560	600
26	600	390	600	1,690	4,110	870	2,500	1,140	2,500	972	560	560
27	640	420	640	3,680	3,190	820	3,190	1,080	1,690	870	452	420
28	600	452	600	8,580	2,880	820	2,420	1,080	1,080	820	682	522
29	640	452	640	13,600	-----	870	4,980	1,030	870	2,500	870	640
30	1,690	420	600	15,500	-----	870	5,870	870	1,030	2,800	726	600
31	1,140	-----	640	17,600	-----	820	-----	820	-----	2,800	640	-----
1918-1919												
1	1,570	1,980	425	3,780	2,260	3,780	3,540	2,680	1,700	1,840	1,270	2,470
2	990	1,910	400	8,500	2,260	3,380	3,140	2,400	1,630	1,700	1,450	2,680
3	1,040	1,630	425	13,600	2,190	3,060	3,140	2,400	1,630	1,570	1,570	2,260
4	990	1,270	400	13,500	3,380	2,980	3,140	2,400	1,570	1,330	1,450	1,700
5	750	990	1,910	11,500	3,620	3,780	3,140	2,400	1,510	3,200	1,330	1,450
6	795	750	1,040	10,600	3,620	12,600	2,980	2,260	1,450	8,800	1,330	1,330
7	750	570	570	7,500	3,380	13,600	2,820	5,540	1,330	5,720	1,270	1,330
8	750	540	570	5,540	3,300	12,000	2,680	10,500	1,330	4,280	1,330	1,150
9	795	570	600	3,860	3,220	15,600	2,610	7,100	1,270	3,140	1,270	1,040
10	750	540	570	2,980	2,980	16,900	2,610	3,460	1,270	2,400	1,270	890
11	750	540	570	2,900	2,610	13,500	3,380	2,820	1,210	2,120	1,270	890
12	750	510	570	2,820	2,260	11,500	6,000	2,540	1,450	1,910	1,450	840
13	840	540	600	2,680	4,730	9,600	4,460	2,400	1,390	1,910	1,510	840
14	570	480	570	1,570	9,500	5,540	3,140	4,020	1,270	1,770	1,390	840
15	570	450	570	1,270	10,000	4,820	3,140	3,140	1,270	1,570	1,270	795
16	600	450	600	1,330	7,600	3,860	4,370	2,980	1,210	1,450	1,210	750
17	570	425	570	9,900	5,540	3,780	8,100	2,400	1,210	1,450	1,150	750
18	540	425	570	8,500	4,640	8,500	5,900	2,190	1,390	2,120	1,090	710
19	1,330	450	600	7,800	3,860	7,000	4,190	2,050	1,700	3,780	1,150	710
20	2,980	540	540	5,540	3,380	5,000	3,380	2,050	1,570	3,140	1,090	750
21	1,910	425	540	4,640	7,500	3,780	3,300	2,050	1,630	3,060	1,090	750
22	750	425	540	3,780	10,500	3,300	3,140	2,050	1,700	21,200	2,260	710
23	750	450	570	3,060	16,400	3,380	2,900	1,980	1,910	1,700	3,540	750
24	570	425	540	5,540	16,800	3,220	2,680	1,980	2,330	1,570	3,620	710
25	570	400	540	6,500	14,500	3,140	2,540	1,910	3,060	1,450	3,780	710
26	600	425	600	9,800	12,600	3,140	2,400	1,910	2,980	1,390	2,900	670
27	570	400	570	12,500	10,500	6,300	2,260	1,840	7,800	1,270	2,050	670
28	570	450	570	9,500	5,540	11,300	2,190	1,840	3,940	1,330	1,570	635
29	600	450	600	5,630	-----	9,800	2,190	1,700	2,110	1,270	1,390	600
30	1,570	425	570	3,780	-----	8,700	2,400	1,700	2,680	1,210	2,260	600
31	1,040	-----	600	2,680	-----	5,270	-----	1,700	-----	1,210	3,300	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Oostanaula River at Resaca, Ga.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-1920												
1-----	1.9	2.9	5.2	3.8	8.0	6.0	15.3	7.0	4.7	4.5	3.6	-----
2-----	1.9	4.0	4.4	3.7	6.8	5.9	22.2	6.5	4.6	6.3	3.6	-----
3-----	1.8	3.8	3.6	3.7	7.0	5.9	28.5	8.8	4.7	16.0	3.5	-----
4-----	1.9	3.3	3.0	3.6	18.0	5.8	32.0	9.3	5.1	19.8	3.5	-----
5-----	2.0	3.0	3.0	3.6	20.5	10.3	29.5	7.4	6.7	16.3	3.4	-----
6-----	2.0	2.9	3.1	3.5	19.0	12.0	27.2	6.9	6.0	8.0	3.3	-----
7-----	1.9	2.8	3.6	3.5	16.3	9.2	25.5	6.4	5.3	5.6	3.3	-----
8-----	2.0	2.6	4.8	5.0	11.5	7.3	19.6	6.3	4.8	5.3	3.2	-----
9-----	2.1	2.6	13.6	5.2	8.0	6.8	13.1	6.1	4.8	5.0	6.0	-----
10-----	2.0	2.4	19.5	5.0	6.5	6.4	14.8	5.9	4.0	4.7	10.0	-----
11-----	1.9	3.2	20.8	4.9	7.2	6.0	12.4	5.7	3.8	6.6	16.5	-----
12-----	1.9	3.9	17.6	4.7	7.0	8.1	9.6	5.6	3.8	7.2	16.4	-----
13-----	2.6	3.7	8.4	4.6	7.6	14.4	9.5	8.0	3.7	7.0	12.0	-----
14-----	2.4	3.7	7.1	4.6	7.3	14.5	9.2	15.5	3.7	6.5	17.0	-----
15-----	2.1	3.5	8.0	4.5	6.8	10.2	8.3	13.2	3.8	4.0	20.4	-----
16-----	2.0	3.3	7.4	6.0	6.5	8.0	7.3	9.4	3.6	4.8	22.2	-----
17-----	2.4	3.2	6.9	9.2	6.2	8.3	10.0	6.6	3.5	4.0	23.7	-----
18-----	2.4	3.0	6.0	9.5	6.0	12.2	8.3	6.0	3.9	4.5	22.4	-----
19-----	2.3	2.9	5.8	8.0	5.8	11.0	7.1	8.4	4.0	5.9	19.7	-----
20-----	2.3	2.9	6.7	7.2	5.6	16.2	6.2	7.1	4.1	7.3	14.8	-----
21-----	2.2	2.8	6.3	6.1	5.4	15.7	10.6	6.4	4.3	5.6	12.2	-----
22-----	3.8	2.8	5.8	5.5	8.4	12.0	13.5	6.3	4.2	5.8	8.7	-----
23-----	10.0	2.9	5.0	5.0	18.0	9.1	9.6	5.6	4.6	5.0	9.3	-----
24-----	11.5	2.8	4.8	11.0	19.5	7.5	8.1	5.4	5.9	4.8	8.6	-----
25-----	9.2	2.8	4.5	18.0	17.4	6.3	7.3	6.0	6.0	4.7	7.4	-----
26-----	5.3	2.7	4.5	19.3	13.5	9.1	7.1	6.5	4.5	4.5	6.5	-----
27-----	4.6	2.8	4.3	19.4	9.8	9.4	11.0	6.2	4.3	4.5	6.7	-----
28-----	4.0	2.8	4.2	17.0	7.0	7.5	10.6	5.8	4.0	4.1	7.4	-----
29-----	3.5	2.7	4.1	12.2	6.1	16.0	8.7	5.3	3.8	3.9	8.5	-----
30-----	3.3	3.9	4.0	9.8	-----	17.3	7.3	5.0	3.8	3.7	7.8	-----
31-----	3.0	-----	3.8	8.1	-----	14.1	-----	4.8	-----	3.7	6.3	-----

Monthly discharge of Oostanaula River at Resaca, Ga.

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January-----	16,200	1,410	3,260	2.02	2.33	A.
February-----	14,900	2,230	5,400	3.35	3.49	A.
March-----	18,600	1,940	4,410	2.74	3.16	A.
April-----	6,500	1,800	2,760	1.71	1.91	A.
May-----	10,200	1,940	3,390	2.11	2.43	A.
June-----	7,420	1,540	3,200	1.99	2.22	A.
July-----	5,050	1,170	1,850	1.15	1.33	A.
August-----	2,380	740	1,190	.739	.85	A.
September-----	13,800	644	2,120	1.32	1.47	A.
October-----	3,340	740	1,190	.739	.85	A.
November-----	15,000	840	3,090	1.92	2.14	A.
December-----	13,300	1,290	3,390	2.11	3.43	A.
The year-----	18,600	644	2,940	1.82	24.61	
1908						
January-----	13,300	1,940	4,230	2.63	3.03	A.
February-----	21,600	2,850	7,380	4.58	4.94	B.
March-----	21,300	2,380	4,930	3.06	3.53	A.
April-----	10,700	2,080	4,160	2.58	2.88	A.
May-----	6,720	2,080	2,790	1.73	1.99	A.
June-----	2,850	840	1,530	.950	1.06	A.
July-----	4,060	476	1,380	.857	.99	A.
August-----	3,700	476	1,320	.820	.95	A.
September-----	5,450	310	751	.466	.52	A.
October-----	2,850	404	683	.424	.49	A.
November-----	840	476	573	.356	.40	A.
December-----	21,600	644	3,970	2.47	2.85	A.
The year-----	21,600	310	2,810	1.74	23.63	

Monthly discharge of Oostanaula River at Resaca, Ga.—Continued.

[Drainage area, 1,610 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1909						
January	14,700	1,670	4,270	2.65	3.06	A.
February	23,800	1,540	9,790	6.08	6.33	B.
March	39,200	3,010	12,000	7.45	8.59	B.
April	9,410	2,690	4,270	2.65	2.96	A.
May	21,600	2,930	5,990	3.72	4.29	B.
June	25,500	2,930	7,940	4.93	5.50	B.
July	4,650	1,540	2,750	1.71	1.97	A.
August	7,420	945	2,510	1.56	1.80	A.
September	2,380	945	1,250	.776	.87	A.
October	3,880	556	1,020	.634	.73	A.
November	740	476	585	.363	.40	A.
December	7,420	476	1,780	1.11	1.28	A.
The year	39,200	476	4,510	2.80	37.78	
1910						
January	4,280	1,030	1,940	1.20	1.38	A.
February	9,860	1,260	2,760	1.71	1.78	A.
March	7,160	1,200	2,330	1.45	1.67	A.
April	8,310	772	1,870	1.16	1.29	A.
May	16,400	1,140	5,660	3.52	4.06	A.
June	8,500	2,500	3,860	2.40	2.68	A.
July	9,270	1,900	4,320	2.68	3.09	A.
August	4,280	1,380	1,970	1.22	1.41	A.
September	6,780	920	1,770	1.10	1.23	A.
October	2,650	640	1,030	.640	.74	A.
November	1,140	726	810	.503	.56	A.
December	10,200	820	1,880	1.17	1.35	A.
The year	16,400	640	2,520	1.57	21.24	
1911						
January	16,600	1,140	3,880	2.41	2.78	A.
February	9,660	1,760	3,660	2.27	2.36	A.
March	3,600	1,380	2,140	1.33	1.53	A.
April	17,800	1,380	5,710	3.55	3.96	A.
May	4,980	1,380	1,960	1.22	1.41	A.
June	1,900	1,030	1,250	.777	.87	A.
July	2,200	560	1,310	.814	.94	A.
August	1,900	522	835	.519	.60	A.
September	640	390	492	.306	.34	A.
October	9,070	360	1,140	.708	.82	A.
November	4,370	420	1,440	.895	1.00	A.
December	10,200	726	2,880	1.79	2.06	A.
The year	17,800	360	2,210	1.37	18.67	
1912						
January	12,100	1,380	3,390	2.11	2.43	
February	16,100	1,760	6,020	3.74	4.03	
March	21,600	3,270	7,750	4.81	5.54	
April	20,100	2,960	6,370	3.96	4.42	
May	10,900	1,760	3,900	2.42	2.79	
June	6,780	1,630	3,060	1.90	2.12	
July	8,210	1,900	2,740	1.70	1.96	
August	6,690	920	2,100	1.30	1.50	
September	5,870	640	1,210	.752	.84	
October	3,940	640	1,050	.652	.75	
November	1,440	640	981	.553	.62	
December	4,540	560	1,780	1.11	1.28	
The year	21,600	560	3,350	2.08	28.28	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Oostanaula River at Resaca, Ga.
 [Drainage area, 1,610 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1913						
January.....	11,100	2,500	4,690	2.91	3.36	A.
February.....	17,000	2,500	5,380	3.34	3.48	A.
March.....	22,200	2,800	9,940	6.17	7.11	B.
April.....	5,510	2,200	2,920	1.81	2.02	A.
May.....	8,690	1,570	2,620	1.63	1.88	A.
June.....	6,780	1,500	2,510	1.56	1.74	A.
July.....	4,110	770	1,400	.870	1.00	A.
August.....	1,900	522	855	.531	.61	A.
September.....	4,110	452	718	.446	.50	A.
1913-1914						
October.....	3,270	345	554	.344	.40	B.
November.....	500	460	495	.307	.34	B.
December.....	2,490	590	1,020	.634	.73	B.
January.....	2,340	590	1,170	.727	.84	B.
February.....	6,780	1,350	2,380	1.48	1.54	A.
March.....	5,960	990	1,610	1.00	1.15	A.
April.....	11,600	1,610	3,620	2.25	2.51	A.
May.....	2,490	590	1,250	.776	.89	B.
June.....	990	500	676	.420	.47	B.
July.....	6,780	500	1,340	.832	.96	B.
August.....	3,270	500	976	.606	.70	B.
September.....	780	380	482	.299	.33	B.
The year.....	11,600	345	1,290	.801	10.86	
1914-1915						
October.....	7,540	345	967	0.601	0.69	B.
November.....	730	460	504	.313	.35	B.
December.....	16,600	730	5,180	3.22	3.71	B.
January.....	9,370	2,490	4,640	2.88	3.32	A.
February.....	18,100	2,340	5,920	3.68	3.83	B.
March.....	6,140	2,190	3,010	1.87	2.16	A.
April.....	2,490	1,410	1,810	1.12	1.25	A.
May.....	10,100	1,110	2,220	1.38	1.59	A.
June.....	2,960	780	1,560	.969	1.08	B.
July.....	3,770	545	1,660	1.03	1.19	A.
August.....	2,800	500	1,170	.727	.84	B.
September.....	4,980	275	1,030	.640	.71	B.
The year.....	18,100	275	2,460	1.53	20.72	

WATER POWERS OF GEORGIA

Monthly discharge of Oostanaula River at Resaca, Ga.—Continued.
[Drainage area, 1,610 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1915-1916					
October	8,310	935	2,300	1.48	1.71
November	3,680	590	1,420	.882	.98
December	19,600	1,110	4,910	3.05	3.52
January	16,600	2,490	4,870	3.02	3.48
February	15,600	1,960	4,850	3.01	3.25
March	8,110	1,960	3,370	2.09	2.41
April	2,110	1,410	1,750	1.09	1.22
May	5,600	830	1,550	.963	1.11
June	5,690	1,110	1,930	1.20	1.34
July	23,700	1,110	8,550	5.31	6.12
August	3,680	1,110	2,050	1.27	1.46
September	2,110	830	919	.571	.64
The year	23,700	590	3,220	2.00	27.24
1916-1917					
October	1,750	545	920	0.571	0.66
November	2,110	780	1,050	.652	.73
December	10,500	1,050	2,290	1.64	1.64
January	11,100	2,040	5,390	3.35	3.86
February	18,600	2,420	7,020	4.36	4.54
March	26,800	4,890	13,800	8.57	9.88
April	11,500	2,420	4,880	3.03	3.38
May	4,020	1,080	2,120	1.32	1.52
June	7,730	1,690	2,240	1.39	1.55
July	3,270	1,380	2,010	1.25	1.44
August	8,500	600	1,900	1.18	1.36
September	5,870	600	1,420	.882	.98
The year	26,800	545	3,740	2.32	31.54
1917-1918					
October	3,190	600	991	0.616	0.71
November	2,200	390	697	.433	.48
December	2,120	390	649	.403	.46
January	17,600	452	4,700	2.92	3.37
February	19,900	1,380	5,600	3.48	3.62
March	2,420	820	1,290	.801	.92
April	12,600	820	3,800	2.36	2.63
May	6,690	820	2,270	1.41	1.63
June	3,270	600	1,510	.938	1.05
July	3,270	420	1,150	.714	.82
August	3,190	420	1,010	.627	.72
September	2,420	420	829	.515	.57
The year	19,900	390	2,010	1.25	16.98
1918-1919					
October	2,980	540	909	0.565	0.65
November	1,980	400	661	.411	.46
December	1,910	400	610	.379	.44
January	13,600	1,270	6,230	3.87	4.46
February	16,800	2,190	6,380	3.96	4.12
March	16,900	2,980	7,160	4.45	5.13
April	8,100	2,190	3,400	2.11	2.35
May	10,500	1,700	2,850	1.77	2.04
June	7,800	1,210	1,990	1.24	1.38
July	8,800	1,210	2,510	1.56	1.80
August	3,780	1,090	1,740	1.08	1.24
September	2,680	600	1,030	.640	.71
The year	16,900	400	2,940	1.83	24.78

ELLIJAY RIVER AT ELLIJAY, GA.

Location.—At the County steel highway bridge, on the Ellijay-Blue Ridge road, one-half mile northeast of the Court House in Ellijay, and three-fourths mile above the junction of Ellijay and Cartecay rivers.

Drainage Area.—90 square miles.

Records Available.—May 4, to December 31, 1907, and December 10, 1918, to September 30, 1920.

Gage.—Vertical staff spiked to oak tree on the right bank, about four feet upstream from the wagon bridge. Gage is read once daily.

Discharge Measurements.—Made from the downstream side of steel highway bridge in Ellijay, one-half mile downstream from the gage.

Channel and Control.—Channel consists of series of shoals and is not likely to shift. Control is rock ledge 300 feet below the gage.

Discharge measurements of Ellijay River at Ellijay, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
	Feet.	Sec.-ft.		Feet.	Sec.-ft.
1907			1919		
May 4	2.03	247	January 16	2.20	204
August 5	1.66	178	April 4	2.60	291
August 5	1.64	182	June 12	1.95	148
November 16	1.46	122			
November 16	1.45	112	1920		
1918			January 20	2.30	214
November 27	1.70	95.5	January 20	2.29	211
November 29	2.30	109	January 26	4.30	826
December 11	2.25	214	April 2	9.72	2,910
December 11	2.24	213			

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Ellijay River at Ellijay, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1						3.9	2.0	1.85	1.6	2.9	1.8	1.9
2						2.5	2.0	1.8	1.6	2.2	1.85	1.8
3						3.6	2.0	1.75	1.9	2.0	1.8	1.8
4					2.1	2.3	1.9	1.7	1.9	1.9	1.8	1.8
5					1.9	2.1	1.9	1.7	1.8	1.9	1.75	1.8
6					1.9	2.0	1.8	1.65	1.8	1.85	1.7	1.8
7					2.9	1.8	1.8	1.6	1.7	1.85	1.65	1.8
8					2.2	1.7	1.8	1.6	1.7	1.8	1.6	1.8
9					2.1	3.5	1.8	1.6	1.65	1.75	1.6	1.9
10					2.1	2.5	1.7	1.6	1.6	1.75	1.6	2.1
11					2.6	2.2	1.7	1.55	1.9	1.7	1.6	2.0
12					2.1	2.0	1.9	1.55	1.8	1.7	1.6	1.95
13					2.1	2.0	2.5	1.9	1.7	1.7	1.6	1.8
14					1.95	2.1	2.5	1.9	1.65	1.65	1.6	2.2
15					2.9	1.9	2.0	1.95	1.6	1.6	1.6	2.4
16					2.3	1.9	1.9	1.95	1.6	1.6	1.6	2.4
17					2.1	1.9	1.85	1.95	1.55	1.55	1.6	2.3
18					2.05	1.8	1.8	2.55	1.5	1.5	1.7	2.3
19					2.05	2.0	2.9	1.95	1.45	1.45	1.8	2.1
20					1.95	1.9	2.5	1.9	1.4	1.4	1.8	2.0
21					1.9	1.8	2.2	1.8	1.4	1.4	1.8	1.9
22					1.9	1.8	1.9	1.7	1.4	1.4	2.0	1.9
23					1.9	2.0	1.8	1.9	1.4	1.35	3.0	2.5
24					1.9	2.0	1.8	1.8	3.5	1.35	3.0	2.5
25					2.1	3.0	1.7	1.8	2.5	1.3	2.9	2.45
26					2.3	2.5	1.7	1.8	1.9	1.3	2.8	2.4
27					1.95	2.0	1.9	1.75	2.5	2.3	2.6	2.4
28					1.9	1.9	1.9	1.7	3.3	1.9	2.4	2.35
29					1.85	2.0	1.85	1.65	2.9	1.85	1.9	2.35
30					1.85	2.0	1.9	1.6	2.2	1.85	1.9	3.5
31					3.1		1.9	1.6		1.8		3.2

Rating table for Ellijay River at Ellijay, Ga., for 1907

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.30	85	2.00	240	2.70	410	3.40	591
1.40	105	2.10	264	2.80	435	3.50	618
1.50	126	2.20	288	2.90	460	3.60	646
1.60	148	2.30	312	3.00	485	3.70	674
1.70	170	2.40	336	3.10	511	3.80	702
1.80	193	2.50	360	3.20	537	3.90	730
1.90	216	2.60	385	3.30	564		

Monthly discharge of Ellijay River at Ellijay, Ga.

[Drainage area, 90 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
May 4-31	511	204	274	3.04	3.17	B.
June	730	170	296	3.29	3.67	B.
July	460	170	231	2.57	2.96	B.
August	372	137	188	2.09	2.41	B.
September	618	105	215	2.39	2.67	B.
October	460	85	178	1.98	2.28	B.
November	485	148	226	2.51	2.80	B.
December	618	193	283	3.14	3.62	B.

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Ellijay River at Ellijay, Ga.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919												
1				3.0	2.5	3.0	2.6	3.2	2.1	1.9	2.0	1.7
2				5.0	2.45	2.8	2.5	2.45	2.05	1.8	1.85	1.7
3				4.0	2.45	2.8	2.5	2.3	2.0	1.8	1.75	1.7
4				3.1	2.6	2.7	2.6	2.3	2.0	1.8	1.7	1.65
5				3.0	2.45	5.0	2.5	2.3	2.0	2.0	1.7	1.6
6				2.8	2.4	4.1	2.5	2.35	2.0	4.7	1.7	1.6
7				2.1	2.3	3.4	2.4	4.4	2.0	2.6	1.7	1.6
8				2.8	2.3	3.3	2.4	4.1	1.9	2.35	1.9	1.6
9				2.8	2.4	4.5	2.35	3.2	1.95	2.6	1.8	1.6
10			1.8	2.7	2.3	3.6	2.4	2.9	2.05	2.3	1.7	1.6
11			2.2	2.25	2.3	3.3	3.5	2.7	2.0	2.15	1.7	1.75
12			2.0	2.6	2.3	3.2	2.7	2.6	1.9	2.05	2.35	1.65
13			1.8	2.4	3.2	3.0	2.6	2.8	1.95	2.0	1.85	1.6
14			3.1	2.3	3.0	3.0	2.5	2.6	1.9	1.9	1.75	1.6
15			2.15	2.3	2.8	2.8	2.45	2.5	1.85	1.9	1.7	1.6
16			3.5	2.2	2.6	2.8	3.8	2.4	1.8	2.15	1.6	1.6
17			2.0	3.2	2.5	3.1	3.2	2.4	1.8	1.95	1.7	1.55
18			1.25	3.0	2.4	2.9	2.8	2.35	2.1	2.25	1.7	1.55
19			1.25	2.6	2.4	2.8	2.8	2.25	1.95	2.2	1.65	1.5
20			1.8	2.6	2.45	2.7	2.6	2.6	1.85	2.0	1.65	1.5
21			2.5	2.5	2.7	2.6	2.6	2.4	1.8	1.9	2.1	1.5
22			4.5	2.45	5.4	2.6	2.5	2.3	1.9	1.9	2.0	1.5
23			2.8	3.8	3.8	2.6	2.5	2.3	1.9	1.85	1.8	1.5
24			2.15	3.5	3.1	2.6	2.45	2.3	2.8	1.8	2.5	1.5
25			2.1	3.0	3.6	2.6	2.4	2.2	2.25	1.85	1.9	1.5
26			2.1	3.8	3.3	2.5	2.4	2.2	2.35	2.1	1.8	1.5
27			1.8	3.3	3.0	2.6	2.4	2.2	2.2	1.8	1.7	1.5
28			1.8	3.0	3.0	2.9	2.35	2.1	2.15	1.8	1.7	1.5
29			1.8	2.8		2.8	2.3	2.15	2.05	1.8	1.7	1.4
30			2.15	2.6		2.6	2.4	2.1	1.9	1.8	2.3	1.4
31			2.5	2.6		2.6		2.1		1.75	1.9	
1920												
1	1.4	1.8	1.75	1.8	2.6	2.5	5.8	2.7	2.3	2.0	1.95	2.5
2	1.4	1.85	1.65	1.8	2.45	2.4		2.7	2.2	2.5	2.0	2.4
3	1.4	1.7	1.65	1.8	3.4	2.4	5.4	2.7	2.2	2.25	1.9	2.9
4	1.5	1.65	1.6	1.75	3.8	2.3	8.4	2.7	2.6	2.3	1.9	2.5
5	1.5	1.6	1.7	1.7	3.4	2.8	5.2	2.7	2.45	2.2	1.8	2.4
6	1.5	1.6	1.7	1.75	3.0	2.5	4.6	2.7	2.3	2.1	1.8	2.3
7	1.5	1.6	2.5	2.15	2.8	2.4	4.2	2.6	2.3	2.05	1.8	2.3
8	1.5	1.5	3.1	2.35	2.6	2.4	3.7	2.6	2.3	2.0	1.9	2.5
9	1.45	1.5	7.8	2.1	2.5	2.4	4.2	2.5	2.25	1.9	2.3	5.0
10	1.4	1.5	4.1	2.0	2.5	2.3	3.8	2.5	2.25	2.05	3.1	2.9
11	1.4	2.15	3.0	2.0	2.45	2.4	3.6	2.5	2.2	2.35	3.4	2.6
12	1.4	2.0	2.6	2.0	2.4	3.2	3.6	2.6	2.1	2.25	2.6	2.35
13	1.6	1.85	2.4	1.9	2.6	3.0	3.5	4.2	2.1	2.0	6.1	2.8
14	1.6	1.7	2.7	1.85	2.5	3.0	3.4	3.0	2.1	2.0	5.0	2.45
15	1.5	1.7	2.4	1.85	2.4	2.6	3.3	2.8	2.1	2.0	6.6	2.5
16	1.55	1.65	2.3	3.0	2.3	3.2	3.3	2.7	2.0	2.0	4.1	2.4
17	1.5	1.65	2.2	3.5	2.2	3.6	3.2	2.7	2.0	2.0	3.8	2.3
18	1.45	1.6	2.1	2.7	2.2	3.1	3.0	3.0	2.15	2.9	4.9	2.3
19	1.45	1.6	2.5	2.45	2.2	4.2	2.9	2.8	2.2	3.2	4.4	2.25
20	1.45	1.6	2.4	2.35	2.15	3.8	3.0	2.7	2.4	3.0	5.4	2.25
21	1.5	1.6	2.4	2.35	2.15	3.3	3.6	2.6	2.35	2.6	3.6	2.2
22	2.1	1.6	2.25	2.25	7.4	3.0	3.0	2.5	2.1	2.35	4.4	2.2
23	2.8	1.5	2.15	2.25	3.8	2.9	2.9	2.5	2.45	2.15	3.6	2.2
24	2.2	1.5	2.1	6.6	3.2	2.8	2.9	2.5	2.3	2.0	3.0	2.7
25	1.9	1.6	2.05	4.2	3.0	2.8	2.8	4.0	2.2	2.0	2.8	2.3
26	1.8	1.7	2.0	4.3	2.8	3.8	3.0	2.6	2.05	2.0	2.7	2.2
27	1.7	1.6	2.0	3.8	2.6	3.2	3.2	2.5	2.0	2.0	2.8	2.2
28	1.7	1.6	2.0	3.4	2.45	4.0	3.2	2.4	2.0	2.0	2.8	2.2
29	1.6	1.9	1.9	3.0	2.6	4.4	3.0	2.4	2.0	1.9	2.6	2.1
30	1.6	1.95	1.8	2.8		3.5	2.8	2.3	2.0	1.9	2.6	2.1
31	1.6		1.8	2.6		3.1		2.3		1.9	2.5	

WATER POWERS OF GEORGIA

CONASAUGA RIVER AT BEAVERDALE, GA.

Location.—The station is located at upper Kings Bridge at Beaverdale, just below the mouth of Sugar Creek.

Drainage Area.—182 square miles.

Records Available.—May 31, 1907, to June 30, 1908. A fairly good rating has been developed for low stages.

Discharge measurements of Conasauga River at Beaverdale, Ga.

Date	Gage height.	Discharge.
	Feet.	Sec.-ft.
1907		
May 31.....	3.50	618
August 16.....	1.66	141
October 23.....	1.40	106

Daily discharge, in second-feet, of Conasauga River at Beaverdale, Ga.

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907								1907							
1	543	258	177	84	307	117	215	17	236	258	118	84	117	130	333
2	510	333	177	84	195	111	195	18	236	236	130	84	117	333	307
3	360	258	177	84	177	130	177	19	236	236	130	84	117	282	258
4	360	236	160	144	160	130	144	20	215	258	117	84	117	195	236
5	307	236	130	130	130	124	144	21	236	195	117	84	117	447	215
6	282	236	130	117	195	117	130	22	236	177	130	648	105	-----	195
7	258	195	144	94	195	111	117	23	236	177	160	-----	105	-----	-----
8	-----	195	130	84	215	105	177	24	543	160	160	333	130	-----	1,060
9	612	177	130	94	177	117	160	25	1,200	160	195	195	117	-----	920
10	577	195	130	84	160	447	307	26	447	160	177	236	117	612	801
11	510	195	117	130	160	333	282	26	447	160	177	236	117	612	801
12	333	177	117	130	160	258	236	28	417	177	195	-----	177	307	510
13	333	-----	105	105	177	195	215	29	333	177	105	-----	144	282	417
14	333	510	105	94	160	160	-----	30	282	195	105	447	117	236	-----
15	333	360	117	94	130	160	1,010	31	-----	160	94	-----	117	-----	-----
16	258	307	130	94	117	144	447								

Day	Jan.	Feb.	Mar.	Apr.	May	June	Day	Jan.	Feb.	Mar.	Apr.	May	June
1908							1908						
1	447	-----	333	282	282	195	17	648	1,200	282	307	195	236
2	195	801	333	282	258	195	18	510	612	258	447	195	215
3	130	478	307	258	236	195	19	338	510	236	762	1,010	215
4	130	685	307	258	236	-----	20	360	417	1,010	577	333	215
5	-----	612	282	282	282	685	21	333	360	801	417	258	195
6	1,010	447	282	307	307	1,250	22	307	333	612	333	236	195
7	762	307	258	258	723	447	23	282	307	-----	307	236	177
8	577	258	258	236	333	307	24	258	307	-----	307	215	177
9	388	236	236	236	307	258	25	258	282	-----	-----	215	160
10	333	-----	236	236	282	236	26	258	543	801	612	307	160
11	307	-----	258	215	258	282	27	360	543	510	360	388	160
12	-----	801	1,010	215	236	258	28	307	388	417	333	307	160
13	1,010	-----	510	215	215	236	29	282	333	360	307	282	160
14	612	-----	417	215	215	215	30	258	-----	333	307	258	144
15	543	-----	360	447	215	447	31	258	-----	307	-----	195	-----
16	447	-----	307	417	215	282							

NOTE.—Daily discharge for 1907 and 1908 based on a fairly well-defined curve. From June 1, 1907, to June 30, 1908, the discharge was greater than 1,300 second-feet for all missing days.

ETOWAH RIVER NEAR BALL GROUND, GA.

Location.—At iron wagon bridge 3 miles southeast of Ball Ground and a quarter of a mile below mouth of Longswamp Creek.

Drainage Area.—466 square miles.

Records Available.—May 16, 1907, to December 31, 1915, and from November 25, 1918 to 1920.

Gage.—Chain gage attached to upstream side of bridge, installed August 18, 1908, to replace vertical staff gage 75 feet below bridge. Chain gage set so as to read same as vertical staff at low stages; reading at other stages differ only slightly.

Discharge Measurements.—Made from upstream side of bridge.

Channel and Control.—Left bank not subject to overflow, but right bank is overflowed during high stages for about 500 feet beyond end of bridge approach. Control somewhat shifting.

Regulation.—Operation of a number of mills above may cause slight variations in flow.

Discharge measurements of Etowah River near Ball Ground, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1910	Feet.	Sec.-ft.
May 16-----	4.02	1,250	November 3-----	2.34	352
June 20-----	3.04	758	1911		
August 8-----	2.39	497	March 29-----	3.48	851
1908			October 7-----	1.85	235
May 14-----	4.05	1,290	October 7-----	1.90	258
May 14-----	4.05	1,270	1913		
1909			December 16-----	2.47	389
May 21-----	4.63	1,470	1914		
May 21-----	4.59	1,540	November 17-----	2.80	520
May 21-----	4.63	1,460	1915		
August 17-----	3.36	880	January 8-----	5.00	1,770
August 18-----	3.21	725	August 20-----	2.87	554
August 18-----	3.20	796	September 27-----	2.15	355
October 20-----	2.68	508	1918		
October 20-----	2.68	546	September 8-----	2.60	453
1910			November 26-----	2.97	626
April 21-----	3.18	677	November 30-----	4.10	1,170
April 21-----	3.18	645	December 13-----	3.15	694
April 21-----	3.18	725	1919		
May 20-----	5.70	2,160	April 7-----	4.60	1,460
May 21-----	10.98	6,530	October 3-----	2.46	407
May 21-----	10.98	6,550	1920		
September 9-----	3.45	802	April 3-----	9.55	5,120
September 9-----	3.32	782			
September 10-----	2.90	578			
September 10-----	2.88	532			
November 3-----	2.41	390			

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Ball Ground, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1						2,530	730	555	382	685	382	775
2						1,420	685	535	365	575	495	708
3						1,220	685	515	418	555	752	662
4						1,020	1,480	475	640	535	535	640
5						975	752	455	1,360	595	495	640
6							950	685	495	555	495	640
7							925	662	495	475	475	618
8							875	618	475	455	515	475
9							875	555	775	435	495	595
10							850	575	535	400	475	1,140
11							825	775	475	730	435	1,240
12							900	685	1,020	515	435	752
13							1,050	775	730	475	435	662
14							1,000	685	595	418	435	575
15							825	752	1,540	400	435	495
16					1,240	775	685	1,300	435	455	475	1,240
17					1,220	730	640	875	455	418	495	1,050
18					1,140	730	708	708	435	418	662	1,000
19					975	708	730	595	330	400	752	950
20					975	708	662	662	330	435	640	875
21					875	730	595	640	348	365	1,720	850
22					875	900	575	555	875	382	1,480	800
23					875	850	555	875	2,530	365		
24					975	775	640	575	1,080	400		1,860
25					1,270	752	618	825	640	418	1,720	1,360
26					1,220	708	640	515	555	418	1,160	1,140
27					1,360	708	825	455	475	455	950	1,080
28					975	1,080	752	435	1,600	618	900	1,140
29						850	575	418	1,220	475	975	1,240
30						875	730	555	418	875	382	875
31					1,240		575	400		365		
1908												
1	1,980		1,360	1,480	1,660	1,110	730	618	495	382	455	495
2	1,540	1,860	1,360	1,420	1,600	1,020	775	575	455	400	435	975
3	1,360	1,420	1,360	1,360	1,480	1,000	775	515	435	400	455	555
4	1,240	1,300	1,360	1,300	1,480	1,240	900	555	495	400	1,220	515
5		1,240	1,300	1,300	1,540	1,360	1,300	595	595	365	730	435
6	1,720	1,420	1,240	1,660	1,480	1,190	1,480	1,360	1,540	330	515	455
7	1,600	1,220	1,240	1,480		1,050	1,160	900	752	365	455	
8	1,420	1,160	1,240	1,360	1,980	975	950	1,050	618	382	455	
9	1,300	1,110	1,220	1,300	1,540	925	1,420	1,600	575	800	435	1,420
10	1,190		1,190	1,240	1,480	950	1,980	775	475	1,220	455	1,000
11			1,240	1,240	1,360	1,050	975	730	455	662	435	875
12			1,480	1,220	1,360	900	875	618	455	515	418	1,190
13	2,250	1,980	1,360	1,190	1,300	875	752	575	455	495	382	900
14	1,720	2,120	1,240	1,190	1,360	1,160	730	535	475	455	515	825
15	1,540		1,220	1,980	1,240	1,140	708	515	435	475	555	775
16	1,480		1,190	2,180	1,300	950	752	555	455	435	475	708
17	1,360	2,250	1,190		1,240	925	685	575	455	418	435	685
18	1,360	1,980	1,160	1,980	1,360	950	618	595	435	400	455	662
19	1,240	2,250	1,140		1,600	1,020	640	575	400	418	495	640
20	1,190	1,920	1,980	2,050	1,720	925	618	595	435	400	435	618
21	1,160	1,720	2,320	1,720	1,360	1,240	618	495	475	435	418	662
22	1,140	1,600	1,540		1,220	1,220	618	1,220	365	400	400	
23	1,110	1,540		1,600	1,110	975	595	850	365	575	495	2,050
24	1,050	1,480		1,480	1,140	975	618	1,240	382	535	475	1,240
25	1,020	1,480			2,120	925	595	1,080	365	455	455	1,080
26	1,050	1,980	2,250		2,180	850	618	775	365	475	515	950
27	1,160	1,600	1,920	2,460	1,720	752	575	662	382	435	475	775
28	1,050	1,480	1,720	1,980	1,360	775	535	595	400	495	455	752
29	1,080	1,420	1,660	1,720	1,420	800	775	575	475	1,190	418	708
30	1,050		1,600	1,860	1,360	752	685	555	400	708	400	662
31	1,140		1,480		1,160		662	535		495		775

NOTE.—Daily discharge 1907-8 based on a well-defined rating curve.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Ball Ground, Ga.
—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	618	639	1,430	1,520	6,440	1,130	1,150	872	577	537	498	460
2	598	618	1,730	1,490	2,450	998	1,050	2,240	537	518	537	460
3	537	639	1,460	1,460	1,730	2,110	1,130	1,850	537	498	498	479
4	1,290	660	1,350	1,410	1,490	4,870	947	1,700	557	498	498	460
5	3,290	639	1,260	1,350	1,580	2,600	922	2,240	577	498	479	460
6	1,790	947	2,380	1,320	1,350	1,610	972	1,150	577	498	479	460
7	1,100	727	1,670	1,700	1,260	1,410	947	947	577	498	479	2,740
8	947	682	1,490	1,520	1,240	1,290	1,850	872	598	498	498	1,610
9	822	1,240	1,320	1,640	1,210	1,240	1,850	822	618	479	479	798
10	750	5,410	5,960	1,410	2,240	1,210	1,490	798	704	460	479	660
11	727	1,790	2,310	1,320	1,380	1,290	1,210	774	618	897	479	618
12	727	1,290	4,020	1,290	1,210	1,210	1,100	822	557	577	479	577
13	704	2,110	11,200	1,790	1,150	1,150	1,730	1,210	537	498	479	2,520
14	774	1,850	12,700	1,490	1,130	1,520	1,640	1,180	518	660	479	1,550
15	1,380	8,580	3,770	1,320	1,100	1,430	1,210	1,260	537	2,670	479	998
16	2,970	7,010	2,670	1,260	1,410	1,240	998	1,020	1,050	872	479	872
17	2,740	2,310	2,240	1,240	1,210	1,350	1,180	897	847	618	750	750
18	1,460	1,640	2,110	1,210	1,100	1,180	972	750	922	598	577	704
19	1,180	2,170	1,910	1,180	1,050	998	872	704	750	537	498	750
20	1,050	1,730	1,980	1,150	2,380	972	847	682	618	537	479	704
21	922	1,610	2,110	1,130	1,520	1,020	822	682	577	704	479	660
22	847	8,680	1,790	1,150	1,410	1,320	897	639	618	618	479	618
23	822	5,870	1,670	2,380	1,490	1,180	1,490	598	2,380	557	847	618
24	798	3,050	1,610	1,610	1,260	1,210	1,100	598	1,320	518	618	618
25	774	2,170	4,610	1,320	1,180	1,290	847	598	704	537	537	1,260
26	750	1,850	2,040	1,430	1,210	1,050	774	577	618	518	498	998
27	727	1,700	1,850	1,290	1,380	4,100	847	577	577	518	498	798
28	682	1,550	2,900	1,850	1,180	1,790	822	557	577	518	498	704
29	727	-----	1,980	1,430	1,080	1,550	774	557	537	498	479	682
30	704	-----	1,700	1,350	998	1,290	774	537	537	498	460	537
31	682	-----	1,580	-----	1,210	-----	798	618	-----	498	-----	577
1910												
1	668	690	1,810	560	520	880	1,080	600	690	428	360	345
2	580	645	1,430	560	520	830	1,200	690	645	375	375	345
3	560	758	1,140	560	500	1,250	1,310	645	830	360	345	375
4	560	735	980	540	500	880	1,250	735	600	375	345	375
5	520	645	880	560	500	2,090	1,810	930	500	480	375	2,600
6	600	645	880	560	520	2,670	1,950	735	480	445	345	2,740
7	1,810	600	780	520	690	1,340	1,810	1,250	480	622	345	1,490
8	930	600	735	520	3,930	1,080	1,250	880	445	905	345	1,370
9	780	600	735	520	2,820	980	1,810	712	930	712	345	930
10	690	600	805	520	1,250	1,200	1,250	645	520	520	375	560
11	645	622	980	500	930	1,080	980	580	480	445	345	445
12	622	735	930	520	905	1,430	930	560	445	445	345	410
13	600	712	780	560	955	1,250	880	560	410	410	360	375
14	622	645	735	520	780	1,030	1,140	600	410	410	360	375
15	600	645	690	520	690	1,080	830	690	392	392	345	410
16	600	690	690	1,200	690	1,060	735	560	392	375	345	428
17	560	1,370	690	2,600	930	880	805	560	375	375	345	410
18	560	2,900	668	1,220	1,520	830	780	520	410	360	345	445
19	600	1,310	645	830	1,080	780	735	500	375	345	345	428
20	600	980	645	735	3,450	758	690	500	375	345	330	410
21	1,080	1,140	645	690	5,680	980	645	480	375	345	345	410
22	830	1,140	645	645	2,520	955	645	480	360	375	360	375
23	735	980	622	622	2,230	830	645	480	375	375	345	428
24	880	880	622	645	2,740	805	690	462	375	345	375	735
25	880	805	600	645	2,970	830	735	520	375	345	345	520
26	780	735	600	645	1,680	735	645	540	345	345	345	480
27	735	735	600	645	1,310	735	735	520	345	360	345	445
28	880	1,110	600	645	1,140	735	645	480	345	445	410	410
29	980	-----	580	600	1,030	855	645	462	392	375	360	410
30	805	-----	580	560	1,000	955	668	445	1,030	345	345	600
31	735	-----	580	-----	930	-----	645	880	-----	375	-----	480

NOTE.—These discharges were obtained from a fairly well defined rating curve.

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Ball Ground, Ga.
—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	520	445	600	622	930	580	380	600	350	255	410	520
2	2,320	428	668	600	980	520	350	735	325	235	350	500
3	5,320	410	560	560	855	500	380	980	300	255	345	480
4	2,020	520	520	780	830	500	350	980	325	265	365	445
5	1,250	480	480	7,980	830	480	830	780	350	245	350	480
6	930	462	480	4,610	780	480	410	480	600	235	1,030	445
7	830	480	520	1,810	780	480	380	480	445	231	1,430	445
8	780	540	560	4,520	735	445	445	480	325	265	1,200	428
9	712	645	520	4,020	735	445	1,080	410	312	690	3,530	428
10	600	690	480	2,090	712	445	735	380	300	5,870	1,370	410
11	580	600	480	1,680	690	445	645	350	350	1,680	830	410
12	560	805	462	2,370	690	410	520	350	325	600	780	404
13	540	712	480	1,880	668	380	645	338	312	445	735	410
14	520	622	480	1,740	645	380	560	365	300	380	645	395
15	520	645	462	1,580	645	380	780	380	288	380	560	445
16	480	600	445	1,430	645	380	830	350	275	350	520	690
17	480	560	445	1,250	600	410	880	350	255	2,370	480	600
18	600	580	445	1,140	600	520	480	350	275	1,810	930	500
19	560	560	712	1,250	622	622	410	580	300	690	690	480
20	480	1,250	1,030	1,490	645	520	380	410	275	560	560	560
21	480	905	712	1,140	855	480	410	350	325	480	520	735
22	520	690	580	1,060	735	520	428	325	365	645	500	2,090
23	445	600	560	980	980	428	380	300	325	480	480	3,370
24	428	600	520	930	830	380	428	300	288	428	560	1,680
25	445	560	500	930	690	380	690	300	275	395	520	1,200
26	480	560	980	880	600	380	410	300	312	380	480	1,140
27	445	600	1,550	880	580	480	380	645	300	395	480	1,950
28	445	560	930	955	668	410	350	410	275	380	580	1,430
29	480	-----	830	1,080	980	380	350	325	255	380	600	1,080
30	428	-----	735	980	780	380	345	365	245	380	560	930
31	410	-----	645	-----	645	-----	428	410	-----	350	-----	2,020
1912												
1	2,020	1,430	1,680	2,520	2,090	1,200	1,140	1,200	690	735	735	580
2	1,370	1,200	1,550	2,370	1,880	1,140	1,080	980	645	690	735	600
3	1,310	1,080	1,550	2,230	1,810	1,250	2,600	930	645	645	645	690
4	1,080	1,080	1,880	2,020	1,880	1,880	1,620	930	780	2,370	645	735
5	980	980	1,810	1,950	1,740	1,200	1,740	930	830	1,370	600	780
6	880	930	2,970	1,880	1,740	1,250	1,490	880	1,250	930	645	1,030
7	830	880	2,090	1,880	2,520	1,430	1,200	830	735	780	1,200	880
8	930	830	1,810	1,810	1,950	1,310	1,140	1,080	880	690	880	735
9	1,370	830	1,950	1,740	1,740	1,240	1,200	3,130	690	690	780	690
10	1,080	930	1,740	1,680	1,620	1,030	1,620	2,090	645	645	735	645
11	980	930	1,550	1,680	1,620	1,030	5,050	1,250	645	645	690	645
12	980	880	1,680	1,620	1,550	980	3,290	1,080	520	645	645	600
13	930	830	1,680	1,620	1,490	980	1,950	980	600	600	680	600
14	880	930	1,550	1,620	1,430	4,870	1,950	930	690	830	780	600
15	830	4,100	14,300	2,230	1,430	2,820	1,680	880	1,550	780	735	560
16	780	2,820	6,820	3,050	1,430	2,090	1,370	1,080	1,030	690	690	580
17	735	1,810	3,290	2,670	1,310	1,490	1,370	1,550	735	645	645	600
18	780	1,810	2,160	2,090	1,310	1,310	2,020	1,310	690	645	645	735
19	1,140	1,550	2,020	1,810	1,250	1,200	2,090	1,080	645	4,180	600	690
20	880	1,620	1,880	1,950	1,250	1,080	1,550	880	600	2,300	600	645
21	780	3,930	1,810	1,810	1,200	1,030	1,740	830	580	1,140	600	600
22	735	2,670	1,680	4,440	1,220	1,030	1,370	880	930	980	600	600
23	735	1,680	1,950	3,530	1,200	980	1,490	880	3,930	880	600	830
24	735	1,950	4,440	2,160	1,200	1,430	1,430	930	1,740	830	580	1,370
25	735	6,340	2,900	1,950	1,140	2,970	1,200	930	1,030	780	580	880
26	690	5,050	2,160	1,810	1,080	3,290	1,080	880	880	735	580	780
27	690	3,690	1,950	2,670	1,200	1,680	980	780	830	690	560	880
28	735	2,370	2,600	2,090	1,620	1,310	980	735	830	690	600	780
29	5,680	1,950	11,000	2,440	3,850	1,200	980	735	830	690	600	735
30	4,780	-----	4,100	2,740	1,810	1,140	930	690	780	645	580	880
31	2,160	-----	2,820	-----	1,310	-----	930	690	-----	645	-----	1,030

NOTE.—Daily discharge computed from a well-defined rating curve.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Ball Ground, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913												
1				880	1,200	2,020	1,950	1,080	735	600	520	350
2				780	1,030	1,680	1,810	1,030	880	560	690	325
3				930	1,740	1,430	1,810	1,030	980	520	560	325
4				880	1,950	1,310	1,740	980	780	560	520	325
5				780	1,430	1,250	1,620	980	880	690	462	350
6				780	1,200	1,200	1,550	980	780	560	410	410
7				735	1,080	1,140	1,550	980	880	480	880	365
8				735	980	1,080	1,490	1,030	880	445	930	325
9				690	930	1,080	1,490	1,030	830	445	580	325
10				735	930	3,610	1,430	1,030	780	480	480	300
11				780	2,090	2,970	1,620	930	735	520	395	265
12				1,810	3,290	1,950	1,490	930	690	735	395	300
13				1,200	1,680	4,100	1,430	930	690	600	600	300
14				930	1,370	8,680	1,430	930	645	560	1,080	300
15				780	1,200	9,180	1,430	880	645	520	1,200	325
16				780	1,140	3,850	1,370	880	600	480	735	380
17				780	1,080	2,740	1,310	930	600	445	480	380
18				980	1,080	2,230	1,310	880	600	445	410	380
19				880	980	2,090	1,250	880	600	410	380	380
20				880	1,550	1,950	1,250	930	600	410	350	350
21				880	1,430	3,290	1,200	880	600	445	380	520
22				780	1,550	2,300	1,200	880	690	410	380	462
23				780	1,310	1,880	1,200	3,770	645	520	480	410
24				1,310	1,200	1,810	1,140	1,680	600	580	410	380
25				1,550	1,080	1,745	1,140	1,080	600	1,310	380	338
26				1,310	1,080	1,880	1,140	930	560	1,490	350	300
27				5,590	4,900	7,200	1,200	930	560	2,160	350	275
28				2,300	3,610	3,450	1,200	930	830	1,030	350	275
29				1,490		2,440	1,140	880	930	780	645	830
30				1,250		2,300	1,140	830	830	690	520	1,740
31				1,250		2,090		780		600	380	
1913-1914												
1	735	350	980	980	560	690	690	690	410	275	265	300
2	462	350	645	880	480	560	645	600	338	288	300	
3	410	350	500	1,030	462	560	600	600	365	338	445	325
4	380	350	445	830	445	540	560	645	410	325	275	325
5	350	350	445	690	445	560	2,230	600	410	1,080	265	288
6	350	350	445	560	690	560	1,310	540	410	480	255	255
7	325	350	780	480	1,250	540	830	520	380	338	265	235
8	325	690	560	462	830	560	735	480	380	300	300	255
9	325	520	462	520	645	500	690	480	395	300	690	245
10	325	445	445	480	600	480	690	500	380	380	780	275
11	300	380	445	480	645	520	5,320	480	350	365	780	300
12	300	380	410	462	580	780	5,410	480	325	288	540	300
13	300	410	410	445	645	735	2,020	445	325	325	462	275
14	275	380	380	480	735	600	1,310	428	325	350	690	255
15	265	380	445	480	735	560	1,080	445	325	480	445	275
16	275	410	410	462	690	520	1,030	410	325	1,950	325	275
17	275	380	410	410	600	560	2,520	410	380	1,200	325	275
18	325	380	410	410	540	520	1,430	380	410	1,550	300	380
19	520	350	410	410	600	520	1,080	395	580	645	325	560
20	500	380	410	410	1,740	780	1,030	380	410	480	325	520
21	395	350	410	380	1,080	690	930	380	350	365	350	325
22	350	350	410	380	780	645	830	380	325	325	300	288
23	350	380	480	380	880	600	780	380	325	300	275	245
24	780	350	500	410	780	560	735	380	300	255	300	245
25	600	350	690	560	690	520	735	350	300	219	350	325
26	445	350	780	480	645	560	780	350	275	192	338	300
27	428	325	600	380	645	600	735	380	225	177	735	300
28	410	325	480	410	600	600	690	365	211	265	325	275
29	380	338	735	410		645	645	380	288	480	380	300
30	380	380	1,080	445		1,140	645	410	255	380	338	255
31	380		930	560		1,430		380		300	300	

NOTE.—Daily discharge determined from a fairly well-defined rating curve.

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Ball Ground, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-1915												
1	275	300	2,020	1,200	3,690	1,740	1,080	735	1,490	690	410	380
2	410	325	780	1,080	3,210	1,550	1,080	735	1,200	600	480	350
3	780	312	1,200	980	2,090	1,430	1,080	735	830	600	410	350
4	735	300	7,010	880	1,740	1,430	1,080	690	735	560	645	338
5	645	300	5,590	880	1,810	2,520	980	690	690	930	395	645
6	560	300	1,950	1,740	2,020	2,230	980	645	780	880	365	540
7	480	325	1,310	3,370	1,680	2,020	980	2,090	690	645	312	410
8	365	410	1,080	1,680	1,550	1,740	980	2,970	735	600	445	365
9	275	540	930	1,310	1,430	1,620	980	1,310	690	690	350	350
10	288	410	880	1,140	1,310	1,490	930	980	600	645	1,200	325
11	325	338	780	1,140	1,310	1,430	880	930	600	600	600	325
12	312	300	690	2,160	1,250	1,430	980	1,310	600	540	480	312
13	275	325	880	1,550	1,250	1,310	880	2,370	645	480	480	325
14	325	428	980	1,250	1,200	1,310	880	1,310	690	520	735	350
15	3,930	830	780	1,200	2,820	1,310	880	1,080	690	830	560	338
16	3,130	830	690	1,080	2,230	1,310	880	880	645	560	480	300
17	1,080	445	645	2,520	1,680	1,310	880	830	600	480	410	312
18	600	380	645	2,900	1,490	1,250	880	780	580	445	1,200	312
19	480	410	600	3,370	1,370	1,200	880	780	560	428	690	300
20	395	380	645	2,020	1,310	1,250	880	780	560	380	480	365
21	350	350	830	1,620	1,250	1,250	880	780	520	480	520	735
22	325	338	830	1,310	1,250	1,200	880	780	520	410	445	500
23	325	350	735	1,490	1,620	1,140	880	780	480	380	395	350
24	325	325	735	3,770	5,590	1,140	880	780	480	410	380	325
25	338	325	6,160	3,690	2,820	1,080	780	980	480	410	350	325
26	325	325	7,390	2,230	2,020	1,080	780	1,030	462	380	350	300
27	325	325	2,090	1,810	1,810	1,140	780	780	480	350	365	300
28	300	350	1,490	1,680	1,620	1,140	780	735	520	350	380	300
29	288	600	2,230	1,430	---	1,080	780	690	560	338	380	275
30	300	3,770	1,880	1,310	---	1,080	780	690	780	350	428	410
31	275	---	1,370	1,310	---	1,200	---	1,030	---	350	445	---

Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.
1915											
1	2,440	560	520	11	480	500	520	21	1,740	690	1,200
2	780	560	500	12	445	480	780	22	1,550	600	980
3	480	520	480	13	445	560	600	23	1,250	560	930
4	600	520	480	14	2,230	830	560	24	980	540	830
5	3,450	520	480	15	2,230	830	520	25	830	560	880
6	1,200	520	480	16	980	690	580	26	690	560	1,030
7	880	500	480	17	735	580	880	27	735	560	880
8	690	500	480	18	645	560	10,500	28	690	540	880
9	560	500	462	19	3,930	980	3,770	29	600	540	14,900
10	500	520	445	20	4,610	780	1,550	30	600	520	7,300
								31	580	---	2,300

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Ball Ground, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1			970	1,700	1,580	1,820	1,580	1,640	920	670	530	620
2			920	2,230	1,520	1,760	1,520	1,340	920	720	620	552
3			820	2,650	1,460	1,700	1,460	1,220	870	575	1,070	510
4			820	2,510	1,880	1,580	1,580	1,170	920	670	620	472
5			770	1,580	1,640	2,650	1,580	1,120	870	620	530	490
6			720	1,520	1,520	3,020	1,460	1,280	820	1,340	670	455
6			670	1,520	1,400	2,090	1,460	1,400	820	870	620	472
8			670	1,460	1,400	2,090	1,400	1,950	770	720	720	405
9			670	1,400	1,340	8,300	1,400	1,120	770	970	530	420
10			620	1,340	1,400	3,100	1,340	1,280	820	820	1,170	438
11			720	1,340	1,340	2,440	3,260	1,220	870	870	575	438
12			670	1,220	1,280	2,160	1,950	1,220	770	770	770	620
13			770	1,170	1,580	1,950	1,640	1,120	870	720	670	510
14			720	1,220	3,100	1,880	1,520	1,460	720	670	620	490
15			3,260	1,220	1,950	1,760	1,460	1,220	820	670	530	455
16			2,510	1,070	1,640	1,820	4,060	1,170	920	575	530	438
17			1,820	1,170	1,460	2,300	2,230	1,120	1,460	620	455	390
18			1,400	2,370	1,460	2,160	1,700	1,120	1,020	720	510	405
19			1,170	1,640	1,340	1,820	1,640	1,070	870	1,070	490	375
20			1,120	1,400	1,340	1,640	1,580	1,220	770	1,070	360	375
21			1,760	1,340	2,020	1,580	1,520	1,070	670	970	620	472
22			19,500	1,280	6,400	1,520	1,460	1,070	720	770	870	472
23			9,710	2,720	7,400	1,580	1,400	1,020	870	770	575	438
24			4,860	3,580	2,650	1,580	1,400	1,020	1,580	720	1,400	405
25		620	2,580	2,020	2,860	1,520	1,340	970	1,880	720	770	375
26		598	2,370	5,910	2,370	1,460	1,280	870	3,260	1,220	620	403
27		620	1,880	4,540	2,020	3,580	1,220	970	2,090	870	510	390
28		2,370	1,700	2,300	1,880	2,160	1,220	920	1,070	720	490	272
29		1,700	1,580	2,020		1,760	1,170	1,020	1,020	620	420	280
30		1,170	1,460	1,700		1,640	1,340	1,120	820	620	1,340	375
31			1,400	1,640		1,580		970		575	820	

Daily gage height, in feet, of Etowah River near Ball Ground, Ga.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-1920												
1	2.25	2.7	3.4		4.6	4.1	8.0	5.3	4.5		3.4	4.3
2	2.3	3.6	3.0		4.5	4.4	12.4	5.2	4.5		3.4	4.0
3	2.55	2.9	2.9		6.7	4.4	10.2	6.9	4.5		3.4	3.9
4	3.0	2.8	2.9		13.0	4.3	11.1	5.6	5.0	4.0	3.3	4.0
5	3.0	2.7	2.8		7.9	6.9	8.9	5.2	6.1	3.8	3.8	3.8
6	2.45	2.6	2.9	3.2	4.2	5.4	7.0	5.6	4.5	4.8	3.3	3.8
7	2.45	2.6	3.9	3.3	5.7	4.7	6.6	5.2	4.4	4.2	3.2	3.8
8	2.5	2.6	5.5	5.2	5.3	4.6	6.2	5.2	4.3	3.8	3.2	5.0
9	3.3	2.5	9.0	5.5	5.1	4.5	9.2	5.0	4.3	3.7	5.6	4.8
10	2.8	2.55	11.3	4.8	5.0	4.4	7.8	5.0	4.2	3.6	6.6	5.2
11	2.4	3.1	8.5	4.0	5.0	4.6	6.4	4.8	4.2	4.2	6.4	4.4
12	2.3	4.7	5.5	3.8	4.8	9.6	6.2	4.9	4.2	4.5	6.5	4.1
13	3.0	4.1	5.0	3.8	5.0	8.7	6.4	12.6	4.1	3.6	8.4	4.1
14	2.8	3.7	5.4	3.6	4.9	6.0	5.8	6.5	4.0	3.6	12.	3.9
15	2.6	3.3	4.7	3.5	4.7	5.5	5.8	5.6	4.0	3.7	9.4	3.8
16	2.5	3.0	4.3	3.6	4.9	5.4	6.0	5.3	4.0	4.4	6.4	3.8
17	3.2	2.9	4.2	5.2	4.4	7.1	7.0	5.1	4.0	5.0	5.2	3.7
18	3.0	2.9	5.0	4.2	4.5	6.2	5.5	5.9	3.9	4.9	5.7	3.6
19	2.7	2.85	4.0	4.0	4.4	10.4	5.6	6.1	4.2	4.8	6.8	3.6
20	2.6	2.8	4.7	3.8	4.4	7.8	5.5	5.4	6.0	4.6	7.3	3.5
21	2.7	2.75	4.2	3.8	4.3	9.1	13.4	5.5	5.6	4.7	5.5	3.4
22	3.6	2.7	4.0	3.8	9.1	5.4	6.4	5.4	4.4	5.0	4.9	3.4
23	6.4	2.7	3.9	3.8	7.0	5.3	6.2	5.0	4.4	4.0	4.6	3.4
24	4.7	2.7	3.8	9.2	5.9	5.2	5.6	4.9	4.8	3.8	4.5	3.4
25	3.4	2.7	3.7	7.6	5.7	5.1	5.5	4.8	4.2	3.7	4.4	3.8
26	3.1	2.9	3.6	8.6	5.5	7.8	5.6	5.0	4.0	3.6	4.2	3.4
27	2.9	2.9	3.6	9.6	4.7	5.6	6.8	5.8	4.0	3.4	4.0	3.4
28	2.8	2.7	3.5	6.5	4.6	8.8	6.1	6.1	3.8	3.5	4.6	3.3
29	2.75	2.75	3.5	5.6	4.4	11.4	5.8	4.8	4.0	3.4	4.6	3.3
30	2.65	4.3	3.4	5.2		7.2	5.6	4.7	3.8	3.4	4.3	3.4
31	2.7			4.9		6.0		4.6		3.4	4.6	

WATER POWERS OF GEORGIA

Monthly discharge of Etowah River near Ball Ground, Ga.

[Drainage area, 466 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
May 16-31-----	1,360	850	1,060	2.27	1.35	A.
June-----	2,530	708	936	2.01	2.24	A.
July-----	1,480	555	691	1.48	1.71	A.
August-----	1,540	400	643	1.38	1.59	A.
September-----	2,530	330	674	1.45	1.62	A.
October-----	685	365	463	.994	1.15	A.
November-----	5,110	382	1,030	2.21	2.47	A.
December-----	9,730	595	1,560	3.35	3.86	B.
1908						
January-----	3,920	1,020	1,520	3.26	3.76	A.
February-----	6,970	1,110	2,170	4.66	5.03	B.
March-----	10,800	1,140	1,940	4.16	4.80	B.
April-----	10,800	1,190	2,050	4.40	4.91	B.
May-----	3,200	1,110	1,530	3.28	3.78	A.
June-----	1,360	752	999	2.14	2.39	A.
July-----	1,980	535	830	1.78	2.05	A.
August-----	1,600	495	742	1.59	1.83	A.
September-----	1,540	365	495	1.06	1.18	B.
October-----	1,220	330	513	1.10	1.27	B.
November-----	1,220	382	491	1.05	1.17	B.
December-----	7,540	435	1,170	2.51	2.89	B.
The year-----	10,800	330	1,200	2.58	35.06	
1909						
January-----	3,290	537	1,090	2.34	2.70	A.
February-----	8,580	618	2,470	5.30	5.52	A.
March-----	12,700	1,260	2,860	6.14	7.08	B.
April-----	2,380	1,130	1,430	3.07	3.42	A.
May-----	6,440	998	1,550	3.33	3.84	A.
June-----	4,870	972	1,550	3.33	3.72	A.
July-----	1,850	774	1,100	2.36	2.72	A.
August-----	2,240	537	946	2.03	2.34	A.
September-----	2,380	518	709	1.52	1.70	B.
October-----	2,670	460	627	1.35	1.56	B.
November-----	847	460	516	1.11	1.24	B.
December-----	2,740	460	861	1.85	2.13	B.
The year-----	12,700	460	1,310	2.81	37.97	
1910						
January-----	1,810	520	743	1.59	1.83	B.
February-----	2,900	600	880	1.89	1.97	B.
March-----	1,810	580	784	1.68	1.94	B.
April-----	2,600	500	699	1.50	1.67	B.
May-----	5,680	500	1,510	3.24	3.74	A.
June-----	2,670	735	1,060	2.27	2.53	A.
July-----	1,950	645	986	2.12	2.44	A.
August-----	1,250	445	619	1.33	1.53	B.
September-----	1,030	345	483	1.04	1.16	B.
October-----	905	345	424	.910	1.05	B.
November-----	410	330	353	.758	.85	B.
December-----	2,740	345	663	1.42	1.64	B.
The year-----	5,680	330	768	1.65	22.35	
1911						
January-----	5,320	410	868	1.86	2.14	B.
February-----	1,250	410	611	1.31	1.36	B.
March-----	1,550	445	625	1.34	1.54	B.
April-----	7,980	560	1,770	3.80	4.24	A.
May-----	980	580	741	1.59	1.83	A.
June-----	622	380	451	.968	1.08	B.
July-----	1,080	345	518	1.11	1.28	B.
August-----	980	300	457	.981	1.13	B.
September-----	600	245	318	.682	.76	B.
October-----	5,870	231	726	1.56	1.80	B.
November-----	3,530	345	746	1.60	1.78	B.
December-----	3,370	395	874	1.88	2.17	B.
The year-----	7,980	231	726	1.56	21.11	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Etowah River near Ball Ground, Ga.—Continued
 [Drainage area, 466 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile		
1912						
January	5,680	690	1,270	2.73	3.15	
February	6,340	830	1,970	4.23	4.56	
March	14,300	1,550	3,010	6.46	7.45	
April	4,440	1,620	2,200	4.72	5.27	
May	3,850	1,080	1,610	3.45	3.98	
June	4,870	980	1,560	3.35	3.74	
July	5,050	930	1,620	3.48	4.01	
August	3,130	690	1,060	2.27	2.62	
September	3,930	520	928	1.99	2.22	
October	4,180	600	975	2.09	2.41	
November	1,200	560	673	1.44	1.61	
December	1,370	560	741	1.59	1.83	
The year	14,300	520	1,470	3.15	42.85	
1913						
January	5,590	690	1,170	2.51	2.89	A.
February	4,960	930	1,580	3.39	3.53	A.
March	9,180	1,080	2,770	5.94	6.85	A.
April	1,950	1,140	1,400	3.00	3.35	A.
May	3,770	780	1,060	2.27	2.62	A.
June	980	560	722	1.55	1.73	B.
July	2,160	410	661	1.42	1.64	B.
August	1,200	350	538	1.15	1.33	B.
September	1,740	265	410	.880	.98	B.
The year	9,180	265	967	2.08	28.15	
1913-1914						
October	780	265	394	0.845	0.97	B.
November	690	325	381	.818	.91	B.
December	1,080	380	547	1.17	1.35	B.
January	1,030	380	521	1.12	1.29	B.
February	1,740	445	715	1.53	11.59	A.
March	1,430	480	633	1.36	1.57	A.
April	5,410	560	1,290	2.77	3.09	B.
May	690	350	456	.979	1.13	A.
June	580	211	351	.753	.84	B.
July	1,950	177	485	1.04	1.20	B.
August	780	255	398	.854	.98	B.
September	560	235	303	.650	.73	B.
The year	5,410	177	538	1.15	15.65	
1914-1915						
October	3,930	275	617	1.32	1.52	B.
November	3,770	300	508	1.09	1.22	A.
December	7,390	600	1,800	3.86	4.45	B.
January	3,770	880	1,780	3.82	4.40	B.
February	5,590	1,200	1,940	4.16	4.33	B.
March	2,520	1,080	1,400	3.00	3.46	B.
April	1,080	780	903	1.94	2.16	A.
May	2,970	645	1,020	2.19	2.52	B.
June	1,490	462	663	1.42	1.58	A.
July	930	338	526	1.13	1.30	B.
August	1,200	312	502	1.08	1.24	A.
September	735	275	370	.794	.89	B.
The year	7,390	275	999	2.14	29.07	
1915						
October	4,610	445	1,240	2.66	3.07	
November	980	480	589	1.26	1.41	
December	14,900	445	1,840	3.95	4.55	

Monthly discharge of Etowah River near Ball Ground, Ga.—Continued
[Drainage area, 466 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1918-1919					
November 25-30	2,370	598	1,180	2.53	0.56
December	19,500	620	2,280	4.89	5.64
January	5,910	1,070	1,960	4.21	4.85
February	7,400	1,280	2,120	4.55	4.74
March	8,300	1,460	2,190	4.70	5.42
April	4,060	1,170	1,640	3.52	3.93
May	1,950	870	1,180	2.53	2.93
June	3,260	670	1,050	2.25	2.51
July	1,340	575	784	1.68	1.94
August	1,400	360	678	1.45	1.67
September	620	280	441	.946	1.06
The period	620	280	-----	-----	-----

ETOWAH RIVER NEAR ROME, GA.

Location.—At Freemans Ferry, which is a railroad stop on the Nashville, Chattanooga & St. Louis Railway branch line from Kingston to Rome, 1 mile downstream from mouth of Dikes Creek, and 5 miles upstream from Rome, where the Etowah and Oostanaula rivers unite to form the Coosa River.

Drainage Area.—1,800 square miles.

Records Available.—August 17, 1904, to September 30, 1920.

Gage.—Vertical staff in three sections on left bank, 250 feet downstream from ferry.

Discharge Measurements.—Made from boat held in place by ferry cable. Measurements cannot be made at high water.

Channel and Control.—Bed composed of rock, boulders, and gravel; practically permanent. Banks subject to overflow at extremely high stages. A shoal immediately below gage forms control.

Regulation.—The operation of a few small mills upstream apparently has no effect on flow.

Discharge measurements of Etowah River near Rome, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1915	Feet.	Sec.-ft.
July 19	2.39	1,590	November 2	2.45	1,590
November 6	1.95	1,030	1918		
1909			March 13	2.50	1,680
May 27	3.59	3,390	October 17	1.75	952
1910			December 18	3.66	3,690
November 26	1.82	928	December 19	3.31	3,180
1911			1919		
September 2	1.75	913	January 7	4.06	3,920
			October 15	2.10	1,220
			October 17	2.00	1,110

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Etowah River near Rome, Ga.

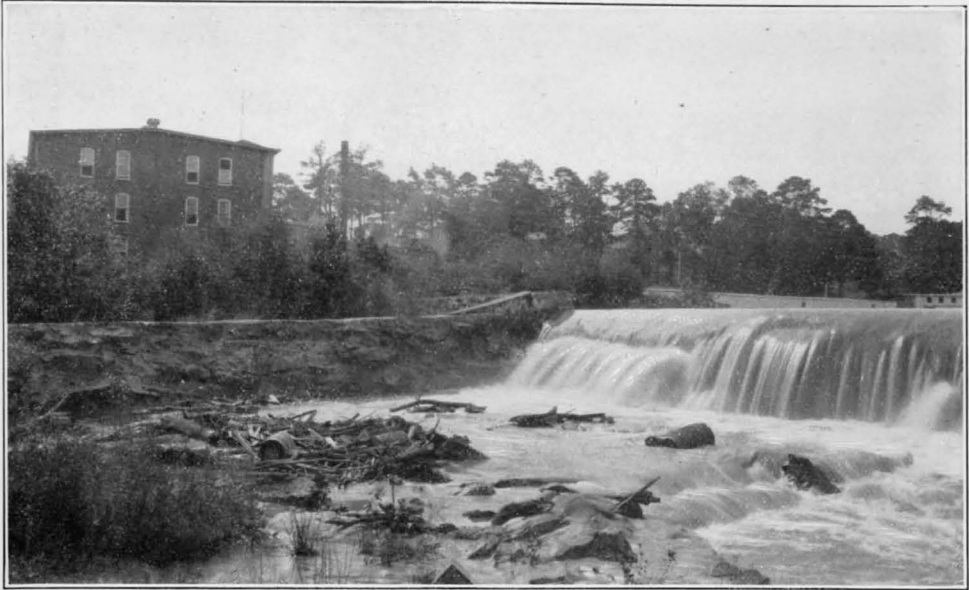
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1	10.5	3.5	8.4	3.0	3.0	3.9	2.6	2.25	1.9	2.8	2.05	2.85
2	5.3	5.4	12.0	3.0	3.0	4.7	2.85	2.1	1.9	2.2	2.1	2.65
3	4.0	4.7	13.0	3.0	3.0	4.2	2.5	2.1	1.95	2.1	2.05	2.5
4	3.9	5.5	6.0	2.9	3.5	4.0	2.55	2.0	2.25	2.0	2.0	2.5
5	3.8	8.0	5.0	2.9	3.2	3.6	2.9	2.0	2.75	2.0	1.95	2.45
6	3.6	6.0	4.8	3.0	3.0	3.2	2.45	3.65	2.7	1.95	1.95	2.4
7	3.5	5.4	4.2	3.0	3.3	2.8	2.4	3.05	2.2	1.95	1.9	2.3
8	3.4	4.0	4.0	3.0	4.2	2.7	2.3	2.3	2.05	2.0	1.9	2.3
9	3.4	4.0	4.0	3.0	3.8	2.7	2.3	1.2	1.2	2.0	1.9	2.3
10	3.4	3.7	3.8	3.1	4.0	2.7	2.25	2.4	2.15	1.95	2.2	4.9
11	3.2	3.5	3.7	3.1	4.0	2.7	2.4	2.3	2.15	1.9	3.5	4.4
12	3.2	3.5	3.6	3.2	3.6	2.8	2.4	2.35	2.1	1.9	2.75	3.55
13	3.2	3.4	3.5	3.3	3.4	2.9	2.5	2.35	2.0	1.9	2.25	3.0
14	3.0	3.2	3.5	3.2	3.6	4.0	2.4	2.55	1.9	1.9	2.2	3.75
15	3.0	3.0	3.5	3.1	3.9	2.9	2.5	2.85	1.9	1.85	2.1	4.2
16	2.9	3.0	3.4	3.0	4.5	2.8	2.4	3.5	1.9	1.85	2.0	3.5
17	2.9	3.0	3.4	3.0	6.6	2.6	2.3	3.3	1.9	1.85	2.0	3.2
18	2.9	3.0	3.4	3.0	5.9	2.6	2.35	2.7	1.85	1.85	2.2	3.05
19	2.9	2.9	3.3	3.0	4.5	2.5	2.4	2.3	1.8	1.85	2.6	2.95
20	2.9	3.1	3.3	3.0	3.9	2.5	2.5	2.2	1.8	1.8	2.55	2.8
21	2.9	3.2	3.0	4.0	3.2	2.5	2.35	2.1	1.8	1.8	3.3	2.7
22	2.8	3.2	3.0	4.5	3.2	2.5	2.2	2.2	1.85	1.8	4.1	2.6
23	2.8	3.1	3.0	6.0	3.0	2.5	2.1	2.5	3.95	1.8	4.8	3.15
24	2.8	3.5	3.0	5.6	3.0	3.1	2.0	2.4	3.95	1.8	6.4	4.6
25	2.8	4.8	3.0	4.5	2.9	2.9	2.1	2.7	2.7	1.8	5.0	3.6
26	3.0	8.4	3.0	3.5	3.2	3.3	2.3	2.4	2.15	1.8	3.6	3.1
27	3.0	8.2	3.1	3.5	3.2	3.0	3.1	2.35	2.0	1.9	3.0	2.95
28	2.9	8.4	3.1	3.3	3.1	3.3	3.1	2.25	2.1	1.9	2.8	2.9
29	2.8		3.0	3.2	3.1	3.5	2.75	2.0	2.85	2.0	2.65	3.1
30	2.8		3.0	3.2	2.9	3.1	2.5	2.0	3.15	2.0	3.25	7.6
31	3.0		3.0		3.2		2.4	1.9		2.0		11.8
1908												
1	6.6	6.3	3.75	3.7	3.7	2.9	2.3	2.15	1.95	1.7	2.05	1.9
2	4.0	6.0	3.6	3.7	3.6	2.8	2.3	2.1	1.9	1.7	1.95	2.45
3	3.7	4.2	3.6	3.6	3.5	2.75	2.3	2.0	1.9	1.65	2.0	2.35
4	3.45	3.7	3.55	3.45	3.4	3.0	2.5	2.0	1.9	1.65	2.05	2.15
5	4.1	3.7	3.5	3.4	3.45	3.15	3.2	2.1	1.9	1.7	2.1	2.0
6	5.0	3.65	3.45	3.8	3.7	3.05	3.7	2.5	4.2	1.7	2.05	2.0
7	4.2	3.6	3.4	3.85	5.2	2.9	4.0	2.65	3.3	1.65	2.0	7.7
8	4.2	3.3	3.35	3.6	5.0	2.75	3.05	2.7	2.4	1.6	2.0	10.5
9	3.7	3.2	3.3	3.45	3.9	2.7	2.7	3.1	2.1	2.0	1.95	4.6
10	3.35	3.85	3.2	3.4	3.55	2.65	3.35	2.8	2.0	4.4	2.0	3.15
11	3.3	9.8	3.2	3.4	3.45	2.7	3.65	2.35	1.95	2.85	2.0	2.85
12	5.3	7.8	3.4	3.25	3.35	2.75	2.75	2.2	1.9	2.3	2.0	2.7
13	5.6	5.2	3.6	3.2	3.25	2.65	2.5	2.1	1.9	2.0	1.9	2.75
14	3.4	4.6	3.4	3.2	3.2	2.7	2.4	2.0	1.9	2.0	1.9	2.55
15	3.4	10.8	3.3	3.75	3.2	2.85	2.3	2.0	1.85	1.9	1.95	2.4
16	3.55	11.8	3.2	4.9	3.45	2.8	2.35	1.95	1.8	1.9	2.0	2.35
17	3.5	7.2	3.15	4.2	3.6	2.65	2.3	1.95	1.8	1.85	1.95	2.3
18	3.4	5.1	3.1	4.2	3.55	2.65	2.2	2.0	1.75	1.85	1.9	2.3
19	3.25	4.8	3.1	5.2	3.3	2.6	2.3	2.1	1.75	1.8	1.9	2.3
20	3.15	4.8	3.2	4.8	3.4	2.6	2.3	2.25	1.75	1.8	1.9	2.3
21	3.1	4.3	5.0	4.0	3.25	2.5	2.2	2.0	1.9	1.8	1.9	2.4
22	3.05	4.0	4.4	3.75	3.05	3.35	2.1	2.1	1.9	1.8	1.9	4.2
23	3.0	3.9	7.3	3.6	3.0	2.85	2.1	2.5	1.9	1.8	1.9	6.0
24	2.9	3.7	15.8	3.6	3.0	2.65	2.1	2.85	1.8	1.85	1.9	4.3
25	2.9	3.75	12.6	8.7	3.2	2.7	2.1	3.35	1.8	1.9	1.9	3.2
26	2.9	5.3	6.4	10.0	4.2	2.6	2.1	2.75	1.7	1.9	1.9	2.9
27	2.9	4.8	4.8	5.4	3.85	2.45	2.1	2.45	1.7	1.9	1.9	2.7
28	2.9	4.2	4.4	4.5	3.2	2.4	2.1	2.25	1.7	1.9	1.85	2.55
29	2.85	3.95	4.2	4.1	3.05	2.35	2.15	2.1	1.75	2.35	1.85	2.5
30	2.85		4.0	3.9	3.1	2.3	2.35	2.0	1.75	2.6	1.85	2.5
31	2.85		3.85		3.1		2.2	2.0		2.35		2.5

WATER POWERS OF GEORGIA

Rating table for Etowah River near Rome, Ga., for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
1.60	710	3.10	2,490	4.60	5,100	7.00	10,200
1.70	800	3.20	2,645	4.70	5,290	7.20	10,660
1.80	895	3.30	2,805	4.80	5,480	7.40	11,130
1.90	990	3.40	2,965	4.90	5,670	7.60	11,610
2.00	1,090	3.50	3,130	5.00	5,860	7.80	12,100
2.10	1,195	3.60	3,300	5.20	6,250	8.00	12,600
2.20	1,305	3.70	3,470	5.40	6,660	9.00	15,180
2.30	1,420	3.80	3,645	5.60	7,080	10.00	17,880
2.40	1,540	3.90	3,820	5.80	7,500	11.00	20,700
2.50	1,665	4.00	4,000	6.00	7,930	12.00	23,600
2.60	1,790	4.10	4,180	6.20	8,370	13.00	26,660
2.70	1,920	4.20	4,360	6.40	8,820	14.00	29,800
2.80	2,055	4.30	4,540	6.60	9,280	15.00	33,000
2.90	2,195	4.40	4,720	6.80	9,740	16.00	36,300
3.00	2,340	4.50	4,910				

NOTE.—The above table is based on 17 discharge measurements made during 1904-1907, and is well defined below gage height 4 feet.



RIVERDALE DAM AND POWER PLANT, WEST POINT MANUFACTURING COMPANY,
CHATTAHOOCHEE RIVER, NEAR WEST POINT, GEORGIA.



LANGDALE DAM, WEST POINT MANUFACTURING COMPANY, CHATTAHOOCHEE
RIVER NEAR WEST POINT, GEORGIA.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Rome, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1-----	1,660	1,540	3,730	3,910	22,200	4,180	2,640	2,960	2,880	1,540	1,300	1,200
2-----	1,540	1,540	4,720	3,640	20,200	3,380	2,640	3,820	1,860	1,480	1,800	1,200
3-----	1,420	1,540	3,820	3,470	7,600	9,040	2,490	6,880	1,600	1,360	1,300	1,200
4-----	1,660	1,480	3,220	3,470	5,080	18,000	2,420	15,500	1,540	1,300	1,300	1,200
5-----	5,260	1,660	3,130	3,380	4,720	15,900	2,340	23,800	1,540	1,250	1,250	1,200
6-----	7,780	2,880	4,000	3,130	4,180	9,040	2,340	6,700	1,790	1,200	1,250	1,200
7-----	4,360	2,640	6,880	4,000	3,820	5,440	2,340	4,360	3,300	1,200	1,250	2,270
8-----	2,880	1,990	4,720	4,720	3,560	4,180	2,490	3,560	2,060	1,200	1,250	7,600
9-----	2,270	1,860	3,910	4,720	3,380	3,730	5,080	3,910	1,920	1,200	1,200	3,820
10-----	2,060	15,900	20,700	4,540	7,960	3,380	4,360	3,130	1,790	1,200	1,200	2,340
11-----	2,060	13,700	18,400	3,560	5,440	4,720	3,300	2,640	1,730	1,540	1,200	1,790
12-----	1,920	5,440	13,000	3,130	3,730	3,470	2,640	4,720	1,660	1,790	1,200	1,660
13-----	1,920	9,400	31,000	4,000	3,220	3,220	2,490	5,440	1,540	1,480	1,200	3,470
14-----	1,860	13,000	36,800	5,800	3,130	3,640	5,080	4,360	1,420	1,480	1,200	5,260
15-----	2,270	10,800	33,200	4,360	3,050	3,640	4,180	3,820	1,420	9,220	1,200	3,300
16-----	5,440	21,300	25,600	3,380	4,360	2,960	2,570	2,960	1,540	6,888	1,200	2,340
17-----	9,040	17,500	22,200	3,130	4,360	2,960	3,380	2,570	1,990	2,340	1,300	2,060
18-----	5,800	7,240	17,700	3,130	3,130	2,960	2,720	2,340	1,990	1,790	1,420	1,920
19-----	3,820	5,440	12,600	3,050	2,960	2,720	2,270	2,060	2,490	1,600	1,300	1,790
20-----	3,050	6,520	7,240	2,960	4,000	2,490	2,060	1,920	1,860	1,420	1,250	1,730
21-----	2,570	4,540	12,100	2,960	4,900	4,720	1,990	1,860	1,660	1,420	1,200	1,660
22-----	2,340	9,220	7,600	2,960	4,180	5,080	1,990	1,790	1,540	1,730	1,200	1,660
23-----	2,200	20,900	5,260	5,980	3,470	5,440	3,050	1,790	1,920	1,480	1,300	1,660
24-----	2,120	14,800	4,720	7,960	3,130	6,520	3,380	1,660	3,300	1,300	1,250	1,730
25-----	2,060	11,900	9,040	4,900	3,130	3,820	2,270	1,660	2,960	1,250	1,300	1,860
26-----	1,920	6,520	9,040	6,160	3,130	4,000	2,060	1,600	1,990	1,300	1,300	3,640
27-----	1,860	4,900	5,440	5,080	3,220	5,980	1,920	1,540	1,540	1,360	1,250	2,607
28-----	1,790	4,360	6,520	8,680	3,560	5,080	2,060	1,540	1,420	1,360	1,200	2,200
29-----	1,790	-----	6,520	6,160	3,300	4,000	1,920	1,480	1,420	1,300	1,200	1,860
30-----	1,790	-----	5,080	4,720	2,720	3,130	2,340	1,790	1,300	1,360	1,200	1,660
31-----	1,660	-----	4,360	-----	3,640	-----	2,800	7,060	-----	1,360	-----	1,540
1910												
1-----	1,730	2,340	7,420	1,660	1,480	2,120	4,540	1,660	1,250	1,300	895	971
2-----	1,730	2,200	6,520	1,660	1,420	2,060	4,000	1,540	2,880	1,140	895	942
3-----	1,660	2,060	4,540	1,660	1,420	1,990	5,800	1,480	3,820	971	895	895
4-----	1,540	1,990	3,560	1,660	1,360	2,200	5,260	2,720	1,920	895	895	942
5-----	1,540	1,920	3,050	1,600	1,360	2,340	4,900	4,540	1,600	876	895	1,730
6-----	1,540	1,790	2,720	1,660	1,360	6,160	5,440	4,180	1,300	876	895	7,240
7-----	4,360	1,660	2,490	1,660	1,420	4,720	4,900	3,820	1,250	1,010	895	4,900
8-----	4,360	1,660	2,420	1,660	3,220	2,640	4,720	3,730	1,200	1,200	895	2,800
9-----	2,570	1,660	2,340	1,600	7,960	2,200	5,800	2,420	1,200	2,200	895	1,600
10-----	2,120	1,860	2,640	1,540	5,080	2,420	4,720	2,060	1,420	1,790	895	1,300
11-----	2,060	1,990	2,880	1,540	2,800	2,960	3,300	1,730	1,360	1,420	895	1,200
12-----	1,990	1,860	3,130	1,540	2,120	3,470	2,800	1,660	1,200	1,140	895	1,090
13-----	1,920	2,120	2,640	1,600	1,920	5,260	2,420	1,540	1,200	1,040	895	1,090
14-----	1,860	2,270	2,340	1,660	2,120	3,300	2,270	1,540	1,090	990	895	1,090
15-----	1,790	1,920	2,200	1,540	1,790	2,880	2,340	1,480	1,040	990	895	1,040
16-----	1,660	1,920	2,200	1,660	1,660	2,960	2,270	1,420	1,040	990	895	1,010
17-----	1,540	2,340	2,060	3,820	1,730	2,340	2,060	1,420	990	971	895	1,040
18-----	1,540	15,700	2,060	4,900	1,920	2,120	1,990	1,420	990	914	895	1,090
19-----	1,660	9,220	2,060	3,130	2,720	1,990	1,920	1,300	990	895	895	1,090
20-----	2,060	4,360	1,990	2,120	4,720	2,490	2,120	1,300	990	895	895	1,090
21-----	3,130	3,300	1,990	1,920	12,300	2,640	1,920	1,300	990	895	895	1,070
22-----	2,960	4,360	1,990	1,790	13,000	2,800	1,790	1,250	942	848	895	1,040
23-----	2,420	3,560	1,920	1,730	7,240	2,800	1,660	1,200	914	848	895	990
24-----	3,130	3,050	1,920	1,660	5,980	2,270	1,860	1,200	895	848	895	1,200
25-----	3,560	2,960	1,790	1,660	9,400	2,200	1,920	1,200	895	819	895	1,420
26-----	2,720	2,570	1,860	1,660	6,520	1,990	1,990	1,250	914	800	876	1,300
27-----	2,490	2,490	1,790	1,660	4,360	1,790	2,200	1,300	914	800	895	1,200
28-----	2,340	3,130	1,790	1,660	3,130	1,660	2,340	1,300	895	876	942	1,200
29-----	3,820	-----	1,790	1,660	2,640	3,130	1,790	1,200	876	990	1,010	1,090
30-----	2,960	-----	1,730	1,540	2,420	2,880	1,790	1,140	895	942	1,090	1,140
31-----	2,490	-----	1,660	-----	2,270	-----	1,660	1,200	-----	895	-----	1,300

Note.—These discharges were obtained from a rating curve which is fairly well defined below 4,000 second-feet. Above 10,200 second-feet the curve is only approximate.

Daily discharge, in second-feet, of Etowah River near Rome, Ga.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	1,300	1,200	1,660	1,660	2,200	1,540	1,090	1,640	848	561	848	1,300
2	1,660	1,200	1,730	1,600	2,130	1,420	1,090	3,830	848	545	895	1,200
3	14,300	1,200	1,660	1,540	2,060	1,300	990	2,800	1,200	545	895	1,140
4	17,500	1,300	1,540	2,800	1,920	1,200	990	5,800	1,660	545	848	1,090
5	9,400	1,360	1,480	9,400	1,920	1,140	942	3,130	1,250	561	1,090	1,090
6	3,300	1,300	1,420	20,200	1,790	1,090	1,140	1,790	1,090	609	2,640	1,090
7	2,420	1,300	1,420	10,700	1,790	1,090	1,090	1,360	1,040	585	3,640	1,090
8	2,120	1,420	1,480	13,200	1,730	1,090	1,250	1,420	990	710	3,640	1,090
9	1,990	1,600	1,420	27,000	1,730	1,040	2,200	1,480	895	1,250	9,760	1,090
10	1,790	2,060	1,420	16,600	1,660	1,010	2,960	1,250	800	1,480	7,240	1,090
11	1,790	2,640	1,360	8,330	1,660	990	1,920	990	710	10,100	2,800	1,090
12	1,660	2,880	1,300	6,880	1,600	942	1,360	895	895	4,360	1,920	1,090
13	1,540	2,880	1,300	5,800	1,540	942	1,300	800	942	2,060	1,790	990
14	1,540	2,420	1,300	4,720	1,540	914	1,660	990	895	1,090	1,660	990
15	1,420	2,120	1,250	4,000	1,480	895	2,960	1,090	800	990	1,540	1,090
16	1,420	1,990	1,200	3,640	1,420	895	6,700	990	710	990	1,480	1,040
17	1,420	1,730	1,200	3,220	1,420	1,200	7,600	895	710	6,880	1,420	1,420
18	1,360	1,600	1,140	2,960	1,360	1,540	4,900	895	710	6,700	2,060	1,300
19	1,420	1,540	1,200	2,800	1,360	1,540	2,060	942	668	3,300	2,490	1,140
20	1,360	1,540	2,720	3,300	1,360	1,660	1,600	1,200	625	1,480	1,920	1,200
21	1,300	4,360	2,400	3,300	1,600	1,420	1,480	1,250	710	1,250	1,790	1,420
22	1,300	4,360	1,920	2,640	2,200	1,140	1,250	1,200	942	1,200	1,660	1,790
23	1,300	3,640	1,660	2,490	2,270	1,090	1,200	1,090	942	1,140	1,540	9,400
24	1,250	2,120	1,540	2,340	2,060	1,040	1,250	942	668	1,090	1,420	6,160
25	1,250	1,660	1,540	2,200	1,860	1,010	1,300	800	625	1,090	1,300	4,540
26	1,300	1,600	1,540	2,060	1,600	990	1,300	710	545	1,040	1,250	3,640
27	1,300	1,540	3,730	2,060	1,420	990	1,300	710	545	990	1,200	5,080
28	1,300	1,540	3,380	2,130	1,360	1,420	1,140	710	545	942	1,140	4,000
29	1,250	2,340	2,340	14,360	1,200	990	848	609	895	895	1,090	3,300
30	1,250	1,920	2,340	1,200	1,140	895	800	585	895	1,140	2,640	2,640
31	1,200	1,790	1,790	1,540	1,540	1,600	800	848	848	848	3,300	3,300
1912												
1	5,260	5,620	5,080	12,800	6,520	3,130	3,300	2,800	1,660	1,660	1,660	1,420
2	4,720	4,000	4,180	10,500	5,440	2,800	4,360	2,340	1,600	1,660	1,540	1,790
3	4,540	3,300	4,000	7,420	4,540	2,640	4,360	2,200	1,540	1,600	1,540	1,790
4	4,180	2,960	4,540	4,900	5,800	4,000	4,000	2,060	1,540	2,960	1,540	1,480
5	2,960	2,640	5,080	4,720	4,900	3,820	5,800	2,060	1,540	6,520	1,420	1,790
6	2,340	2,490	8,860	4,540	4,360	3,300	4,720	2,060	1,920	4,000	1,480	2,060
7	1,920	2,340	7,780	4,360	9,760	2,960	3,820	1,920	2,060	2,060	1,790	2,200
8	1,660	2,340	5,440	4,360	10,100	3,640	3,640	2,200	1,660	1,790	2,340	1,790
9	4,720	2,060	5,440	4,180	6,160	4,000	5,260	13,900	1,600	1,790	2,060	1,790
10	3,640	2,060	5,080	4,000	4,720	3,300	7,600	8,500	1,540	1,660	1,790	1,660
11	2,960	2,200	4,360	4,000	4,540	2,640	9,940	4,360	1,540	1,660	1,790	1,660
12	2,640	2,340	4,000	3,820	4,360	2,340	11,900	3,130	1,420	1,600	1,660	1,660
13	2,490	2,200	4,360	3,820	4,000	2,960	9,040	2,640	1,420	1,540	1,790	1,600
14	2,340	2,490	4,000	3,640	3,820	15,000	5,930	2,490	1,360	1,480	2,060	1,540
15	2,200	13,200	21,300	3,300	3,640	12,300	5,080	2,340	2,340	2,060	2,060	1,540
16	2,060	15,500	31,400	5,800	3,470	8,500	4,180	2,200	2,340	1,920	1,790	1,480
17	2,060	7,600	22,700	8,140	3,300	6,700	3,470	2,340	1,920	1,790	1,660	1,920
18	1,920	5,080	9,760	6,520	3,130	4,360	4,180	5,800	1,660	1,660	1,660	1,790
19	2,060	4,720	5,800	5,080	2,960	3,300	4,720	4,360	1,540	2,640	1,540	1,790
20	2,640	4,000	5,080	5,260	2,960	2,960	5,260	2,640	1,420	6,880	1,540	1,660
21	2,340	9,400	4,720	5,440	2,800	2,640	3,820	2,340	1,420	4,180	1,540	1,660
22	2,340	13,000	4,360	9,760	2,640	2,490	3,300	2,200	1,790	2,960	1,480	1,540
23	2,340	7,240	4,540	17,300	2,640	2,340	2,960	2,060	9,400	2,340	1,420	1,600
24	2,200	5,620	9,400	12,100	2,640	2,800	2,640	2,060	10,800	2,060	1,420	3,640
25	2,060	13,500	6,880	5,440	2,640	3,820	2,490	1,920	5,440	1,920	1,360	2,960
26	1,790	23,100	5,800	4,720	2,800	7,600	2,640	2,060	2,340	1,920	1,300	2,490
27	1,600	18,000	5,260	5,080	2,800	11,000	2,640	2,200	2,060	1,790	1,250	2,060
28	1,540	10,300	6,160	7,600	2,640	4,900	2,340	1,920	1,790	1,790	1,540	2,060
29	6,160	6,520	31,400	7,240	11,200	3,300	2,200	1,790	1,790	1,790	1,540	1,920
30	18,200	33,200	8,680	13,700	3,130	2,060	1,790	1,660	1,660	1,660	1,420	1,920
31	12,600	19,500	4,720	4,720	2,490	1,660	2,490	1,660	1,540	1,540	1,660	1,660

NOTE.—Daily discharge computed from a rating curve well defined below 4,000 second-feet. Above 10,000 second-feet the estimates are only approximate.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Rome, Ga.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913												
1				1,660	3,640	13,000	5,440	2,490	3,300	1,600	1,660	990
2				1,540	3,640	6,160	4,720	2,340	2,640	1,360	2,960	990
3				2,960	3,640	4,900	4,360	2,340	2,340	1,250	2,340	942
4				3,130	8,320	4,180	4,360	2,340	2,060	1,200	1,790	895
5				2,340	7,600	3,640	4,180	2,200	1,920	1,090	1,250	895
6				2,200	5,440	3,640	4,000	2,200	1,920	1,300	2,340	895
7				2,060	3,640	3,300	4,000	2,340	2,340	1,360	4,720	1,040
8				2,060	3,300	3,130	3,640	2,340	2,340	1,200	4,360	895
9				2,060	2,960	2,960	3,470	2,340	2,200	1,140	2,960	895
10				2,060	2,960	7,600	3,130	2,200	2,060	1,090	2,060	1,300
11				2,060	4,000	9,940	4,000	2,200	1,920	1,090	1,250	1,200
12				2,200	17,700	6,880	3,640	2,200	1,790	1,200	1,040	942
13				4,000	12,300	9,760	3,470	2,060	1,660	1,790	1,090	895
14				2,960	6,340	21,600	3,300	2,060	1,660	2,200	1,790	895
15				2,340	4,360	26,300	3,300	2,060	1,600	1,540	2,200	848
16				2,200	4,000	24,200	3,130	2,340	1,540	1,250	2,340	800
17				2,060	3,820	14,800	3,130	2,340	1,480	1,090	1,920	800
18				2,340	3,640	9,760	2,960	2,200	1,480	1,040	1,480	800
19				2,800	3,300	7,960	2,960	2,060	1,420	990	1,140	1,040
20				2,490	3,300	6,160	2,800	1,920	1,420	1,200	1,040	1,140
21				2,340	4,000	7,960	2,800	1,790	1,360	1,790	990	1,300
22				2,340	4,000	10,800	2,640	2,060	1,660	1,480	990	1,300
23				2,200	3,640	9,760	2,490	2,640	2,060	1,250	1,600	1,090
24				2,060	3,130	6,880	2,490	4,720	1,920	1,090	1,250	990
25				4,720	2,960	5,440	2,490	3,640	1,790	2,340	1,090	990
26				5,440	2,800	6,160	2,490	2,640	1,660	7,960	1,090	895
27				14,600	6,520	15,900	2,340	2,340	1,540	8,140	1,040	895
28				22,000	19,300	19,700	2,490	2,200	1,540	6,520	990	800
29				10,100		9,760	2,640	2,060	1,420	2,960	1,040	990
30				3,640		6,160	2,490	1,920	1,920	2,340	1,200	7,240
31				3,820		5,440		2,340		1,790	1,040	
1913-1914												
1	3,640	990	1,790	2,340	1,660	1,480	4,360	1,920	942	625	710	848
2	2,060	990	2,340	2,060	1,480	1,480	3,300	1,790	942	710	625	800
3	1,480	990	1,790	2,060	1,300	1,420	2,490	1,660	942	990	625	800
4	1,250	942	1,360	2,060	1,140	1,420	1,920	1,660	2,340	942	625	800
5	1,090	942	1,200	1,920	1,090	1,360	1,600	1,660	1,920	895	625	710
6	990	895	1,140	1,920	1,660	1,300	1,420	1,540	1,540	895	625	710
7	942	990	1,140	1,790	3,820	1,200	1,250	1,540	1,250	848	848	625
8	942	1,300	1,200	1,660	3,300	1,200	5,080	1,540	1,090	848	990	625
9	895	1,480	1,090	1,480	2,490	1,140	7,240	1,480	1,090	1,300	1,420	625
10	895	1,250	1,090	1,300	2,200	1,090	3,640	1,420	1,090	2,640	2,960	625
11	848	1,090	1,090	1,300	2,060	1,090	2,640	1,420	1,090	2,060	2,960	625
12	848	1,090	1,090	1,200	2,060	1,420	2,340	1,300	1,040	1,200	2,640	625
13	848	1,040	1,040	1,090	1,920	2,640	2,060	1,300	990	942	2,340	585
14	800	990	1,090	1,090	1,790	1,920	12,300	1,200	1,300	800	2,490	585
15	800	990	1,090	1,090	1,600	1,600	20,600	1,200	1,140	942	2,060	585
16	800	942	1,090	1,090	1,540	1,360	13,400	1,090	1,090	2,060	1,660	585
17	800	990	1,040	1,090	1,420	1,250	7,600	1,090	1,090	3,640	1,200	585
18	755	942	1,040	1,090	1,360	1,200	4,360	1,090	990	2,640	990	800
19	800	942	1,040	1,090	1,540	1,090	3,300	1,090	990	1,920	848	3,820
20	990	942	1,040	1,040	1,920	1,360	6,160	1,090	942	1,420	800	2,060
21	1,090	895	1,090	990	2,340	1,920	7,240	1,090	895	1,040	1,300	1,040
22	990	895	1,090	990	2,060	1,790	5,080	1,090	895	990	1,140	895
23	990	895	1,090	990	1,790	1,660	2,640	1,090	848	895	1,090	800
24	1,200	895	1,090	1,200	1,660	1,540	2,340	1,040	800	848	990	800
25	1,360	895	1,420	1,300	1,540	1,420	2,200	1,040	800	800	990	800
26	1,250	895	2,200	1,250	1,540	1,360	2,200	1,040	710	800	1,090	800
27	1,090	895	1,660	1,200	1,540	1,300	2,060	1,040	710	800	990	800
28	1,040	848	1,300	1,090	1,480	1,300	1,920	990	668	800	1,250	800
29	990	848	1,480	1,040		1,200	1,790	990	668	800	1,200	755
30	990	990	2,640	1,090		1,420	2,060	942	625	800	1,040	710
31	990		2,640	1,420		5,080		942		710	895	

NOTE.—Daily discharge determined from a rating curve well defined below 4,000 second-feet.

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Rome, Ga.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-1915												
1-----	625	800	4,540	3,300	15,700	4,000	2,340	1,600	2,200	3,300	990	990
2-----	609	800	3,300	2,640	21,300	3,640	2,340	1,600	2,340	2,640	990	942
3-----	895	755	4,900	2,200	12,500	3,300	2,200	1,600	2,340	2,340	990	895
4-----	1,200	755	13,000	2,200	6,160	3,130	2,200	1,540	1,920	2,200	895	942
5-----	1,200	755	15,200	2,060	5,800	4,540	2,200	1,540	1,660	4,360	895	4,720
6-----	1,090	710	9,220	2,200	6,160	5,260	2,060	1,480	1,540	7,960	895	4,360
7-----	942	710	3,820	11,600	5,080	5,260	2,060	3,640	1,790	6,340	895	4,000
8-----	800	668	2,340	7,060	4,540	4,540	2,060	15,200	1,790	3,130	990	2,640
9-----	710	1,920	2,060	3,820	4,000	4,000	2,060	12,600	1,660	1,920	990	1,300
10-----	625	1,790	1,790	2,960	3,640	3,640	2,060	8,500	1,540	1,920	895	1,090
11-----	990	1,420	1,660	2,640	3,300	3,300	2,060	3,820	1,480	2,490	895	990
12-----	710	1,040	1,540	4,900	3,130	2,960	2,200	2,960	1,420	2,340	1,600	895
13-----	625	848	1,600	4,360	2,960	2,960	2,060	2,640	2,060	2,060	1,360	895
14-----	1,540	800	1,480	3,640	2,640	2,960	2,060	2,340	3,640	1,790	1,140	895
15-----	3,300	1,790	1,360	3,130	4,720	2,800	2,060	2,340	3,640	1,480	990	1,660
16-----	8,500	1,540	1,300	2,800	6,700	2,640	1,920	2,200	3,640	1,250	895	1,360
17-----	5,080	990	1,200	3,640	4,720	2,640	1,920	2,060	2,340	1,140	895	990
18-----	2,060	895	1,090	3,640	4,000	2,640	1,790	2,060	1,790	1,140	2,060	942
19-----	1,200	895	1,090	3,300	3,640	2,640	1,790	1,920	1,480	1,090	4,000	895
20-----	1,090	848	1,090	3,130	3,300	2,960	1,790	1,790	1,300	1,090	3,130	1,090
21-----	990	848	990	2,960	3,130	2,960	1,790	1,790	1,200	1,090	1,600	1,360
22-----	895	800	990	2,640	2,960	2,640	1,790	1,660	1,090	1,090	1,420	1,140
23-----	895	800	1,250	4,360	2,960	2,640	1,790	1,660	1,090	990	1,300	1,090
24-----	895	800	1,540	12,100	6,520	2,490	1,660	1,660	1,090	895	1,200	1,040
25-----	848	800	6,160	12,100	9,400	2,340	1,660	1,600	990	895	1,090	990
26-----	848	710	17,000	8,140	7,960	2,340	1,660	1,540	990	895	1,040	990
27-----	800	668	13,000	5,080	5,080	2,340	1,660	1,600	1,250	895	1,040	942
28-----	800	710	4,900	4,180	4,000	2,340	1,660	1,790	1,090	895	1,140	895
29-----	800	895	5,800	3,820	-----	2,340	1,660	1,660	2,060	895	1,090	895
30-----	800	800	7,240	3,640	-----	2,340	1,660	1,790	4,000	895	1,090	990
31-----	800	-----	4,720	3,300	-----	2,340	-----	2,060	-----	895	990	-----
1915-1916												
1-----	2,640	1,660	1,360	13,200	7,600	2,340	2,200	1,600	2,200	2,340	2,960	2,490
2-----	3,640	1,600	1,360	7,240	16,600	4,540	2,060	1,600	2,200	1,790	2,800	2,340
3-----	2,060	1,540	1,360	4,360	13,400	4,360	1,920	1,540	2,060	1,600	3,640	2,340
4-----	1,600	1,540	1,300	3,640	7,600	3,640	1,790	1,540	2,060	1,360	6,520	2,340
5-----	4,720	1,480	1,300	3,470	5,440	3,300	1,790	1,540	2,060	1,140	4,360	2,340
6-----	6,520	1,480	1,300	3,300	3,640	2,800	2,490	1,540	2,060	3,300	12,100	2,200
7-----	2,640	1,420	1,300	3,300	3,300	3,300	3,300	1,480	1,920	6,160	8,860	2,200
8-----	1,540	1,420	1,250	3,130	3,130	3,130	2,640	1,480	1,790	13,800	6,880	2,060
9-----	1,200	1,300	1,250	2,960	2,960	2,960	2,200	1,480	1,540	31,000	4,720	1,920
10-----	1,090	1,300	1,250	2,800	4,180	2,640	2,060	1,420	1,540	40,000	5,260	1,790
11-----	1,090	1,250	1,200	2,640	3,640	2,640	2,060	1,420	2,060	44,700	4,720	1,790
12-----	1,090	1,200	1,200	2,490	3,300	2,640	2,060	1,360	3,640	40,000	4,180	1,660
13-----	1,040	1,790	1,420	4,180	3,130	2,640	1,920	1,300	2,960	29,900	3,640	1,660
14-----	3,640	2,060	1,300	5,260	2,960	2,640	1,920	1,300	2,800	21,300	3,300	1,600
15-----	12,100	2,340	1,300	3,640	2,640	2,490	1,920	1,250	2,640	17,300	2,490	1,540
16-----	6,160	2,200	1,540	2,800	2,640	2,490	1,920	1,200	2,960	13,900	4,180	1,540
17-----	2,490	2,060	2,490	2,640	2,640	2,490	1,920	1,200	2,960	13,000	4,000	1,540
18-----	2,200	2,060	22,400	2,490	2,490	2,490	1,920	1,200	1,920	11,600	3,640	1,540
19-----	5,980	2,060	26,300	2,490	2,490	2,340	1,920	1,140	1,660	10,300	3,300	1,540
20-----	24,700	1,920	13,400	2,340	2,340	2,340	1,790	1,140	1,600	9,040	2,800	1,480
21-----	14,100	1,790	4,360	2,340	2,340	2,200	1,790	1,090	1,540	6,880	2,340	1,480
22-----	7,060	1,660	3,470	2,960	2,340	2,200	1,790	2,340	1,540	14,300	2,340	1,420
23-----	6,520	1,660	2,960	2,960	2,340	2,200	1,790	7,600	1,420	10,800	2,340	1,420
24-----	4,360	1,540	2,800	2,800	2,640	2,060	1,790	11,600	1,420	8,680	2,340	1,420
25-----	2,960	1,420	2,640	2,640	2,340	2,060	1,790	7,960	2,060	6,520	2,200	1,420
26-----	2,340	1,420	2,640	2,640	2,340	2,340	1,790	5,800	2,340	5,080	2,200	1,360
27-----	2,340	1,660	2,640	2,490	2,340	2,200	1,790	3,300	2,030	4,720	2,060	1,300
28-----	2,200	1,540	2,640	2,490	2,340	2,060	1,660	2,060	1,790	4,360	2,060	1,300
29-----	2,060	1,420	29,000	2,340	2,640	2,340	1,660	3,130	1,660	4,000	1,920	5,800
30-----	1,790	1,420	37,800	2,340	-----	2,060	1,660	2,640	1,600	3,640	1,920	2,640
31-----	1,790	-----	30,300	2,200	-----	2,060	-----	2,340	-----	3,300	1,790	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Etowah River near Rome, Ga.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-1917												
1-----	1,920	2,340	1,920	2,200	9,760	4,720	8,680	3,130	4,360	1,790	1,360	5,800
2-----	1,480	2,060	1,790	2,060	15,900	5,980	6,160	2,960	2,960	1,660	1,300	5,080
3-----	1,300	1,920	1,480	2,060	6,880	10,300	5,080	2,800	2,960	1,540	4,180	4,180
4-----	1,300	1,790	1,300	1,920	4,540	33,700	5,620	3,470	2,800	1,540	2,640	3,640
5-----	1,250	1,790	1,200	4,000	4,000	38,900	20,000	4,360	2,640	1,420	1,920	3,470
6-----	1,200	1,660	1,140	3,640	3,640	29,600	22,900	4,000	2,640	2,940	1,600	2,300
7-----	1,140	1,480	1,090	3,470	3,300	21,600	14,300	4,000	2,640	2,340	2,960	3,300
8-----	1,090	1,300	1,360	3,300	3,130	19,700	8,680	3,820	2,640	2,340	8,500	3,130
9-----	1,040	1,040	3,130	2,960	3,130	15,900	7,060	3,820	2,640	2,060	17,000	2,960
10-----	1,040	895	6,700	2,490	2,960	7,960	6,700	3,640	3,640	2,060	7,960	2,640
11-----	1,040	1,920	4,360	2,200	2,800	5,620	6,340	3,470	3,640	1,920	3,130	2,200
12-----	990	1,790	2,800	2,060	2,640	4,900	5,880	3,300	3,300	1,790	1,920	1,790
13-----	990	1,660	2,060	2,200	2,640	4,720	5,440	2,960	3,130	1,790	1,600	1,420
14-----	942	1,660	1,790	3,300	2,490	4,720	5,080	2,800	2,960	2,960	1,540	1,140
15-----	942	1,600	1,790	7,960	2,340	4,720	4,900	2,640	2,800	2,490	1,480	1,090
16-----	895	1,540	1,660	12,100	2,340	4,540	4,720	2,640	2,640	1,790	1,480	1,040
17-----	895	1,480	1,660	9,760	3,300	4,720	4,540	2,640	2,490	1,250	1,420	990
18-----	895	1,420	1,480	6,160	3,300	5,080	4,360	2,490	2,340	1,040	1,420	942
19-----	2,340	1,420	1,790	4,720	14,400	4,360	4,360	2,340	3,300	12,100	1,360	942
20-----	2,060	1,360	2,200	4,360	31,700	4,000	4,360	2,340	3,130	7,600	1,300	895
21-----	1,790	1,300	2,060	4,000	30,100	7,600	4,180	2,340	2,960	4,540	1,300	895
22-----	1,660	1,300	2,060	7,780	13,900	11,600	4,000	2,200	2,800	2,960	1,300	848
23-----	1,480	1,250	1,920	8,500	9,760	9,760	4,000	2,640	2,800	2,340	1,250	848
24-----	1,300	1,250	1,920	7,060	26,300	28,800	4,000	2,340	2,640	2,340	1,200	1,660
25-----	1,200	1,200	1,790	6,160	21,300	33,700	4,000	2,340	2,490	2,200	1,200	4,360
26-----	1,090	1,200	1,790	4,720	12,300	26,700	3,820	2,640	2,340	2,060	1,200	3,640
27-----	1,040	1,140	1,660	3,640	6,150	29,600	3,640	3,130	2,060	2,340	1,140	2,490
28-----	990	1,660	5,800	3,300	4,720	29,200	3,470	4,900	2,340	2,200	1,090	11,200
29-----	990	2,200	9,760	3,130	-----	22,000	3,300	4,360	2,060	1,920	1,090	15,200
30-----	942	2,060	4,360	2,960	-----	16,600	3,300	2,960	1,920	1,600	1,040	6,340
31-----	2,960	-----	2,340	2,640	-----	12,100	-----	2,340	-----	1,420	990	-----
1917-1918												
1-----	4,360	1,360	1,200	1,090	11,200	2,060	1,360	11,200	1,200	2,200	3,300	895
2-----	3,300	1,250	1,140	1,090	6,880	2,060	1,360	9,040	1,140	1,920	2,960	1,540
3-----	2,640	1,200	1,140	1,090	4,540	1,920	1,300	7,240	1,090	1,790	5,800	4,900
4-----	2,340	1,140	1,090	1,090	3,820	1,790	1,300	4,000	1,300	1,790	3,640	5,800
5-----	2,060	1,140	1,090	1,040	3,640	1,660	1,250	3,640	1,790	1,660	2,490	3,640
6-----	1,790	1,090	1,090	1,040	3,470	1,660	1,250	3,300	1,300	1,600	2,340	2,060
7-----	1,480	1,090	1,090	990	3,470	1,600	1,790	3,300	1,200	1,540	2,340	1,300
8-----	1,250	1,090	1,200	990	3,300	1,600	16,600	3,300	1,200	1,420	2,200	1,090
9-----	1,040	1,090	1,200	1,540	2,960	1,540	21,300	2,960	1,140	1,300	2,200	990
10-----	942	1,090	1,090	1,250	2,800	1,540	9,760	2,960	1,090	1,200	2,060	990
11-----	895	1,090	1,090	2,340	2,640	1,540	40360	2,960	1,090	1,200	1,920	942
12-----	848	1,090	1,090	15,200	2,640	1,540	3,300	2,800	990	1,090	1,790	895
13-----	800	1,040	1,040	9,040	2,490	1,600	2,960	2,340	2,340	990	1,660	895
14-----	800	1,040	1,040	3,470	2,490	1,600	2,960	3,640	2,060	895	1,480	848
15-----	755	1,040	1,040	7,240	2,340	1,600	2,800	2,960	1,790	848	1,250	848
16-----	755	990	1,090	7,240	2,200	1,540	2,800	2,640	1,540	800	1,090	800
17-----	710	990	1,090	5,440	3,640	1,540	2,640	2,490	1,420	755	2,340	800
18-----	710	990	1,090	4,180	3,820	1,540	2,640	2,340	2,200	710	3,130	755
19-----	2,490	990	1,090	3,640	2,960	1,540	2,640	2,200	1,790	2,340	1,600	755
20-----	2,200	990	1,040	3,640	2,800	1,540	2,960	2,060	1,660	2,200	1,420	2,200
21-----	1,600	942	990	3,300	2,640	1,540	4,720	1,920	1,600	2,060	1,300	1,540
22-----	1,420	942	990	3,130	2,490	1,540	2,960	1,790	1,540	2,060	1,200	990
23-----	1,420	942	1,090	2,640	2,340	1,540	2,640	1,790	1,420	1,920	1,090	800
24-----	1,360	895	1,140	2,490	2,340	1,480	2,490	1,790	1,360	3,640	990	710
25-----	1,300	895	1,200	2,340	2,340	1,480	2,340	1,660	1,300	2,640	895	710
26-----	1,250	895	1,200	2,340	2,340	1,420	6,700	1,660	2,200	2,340	848	668
27-----	1,200	1,090	1,140	2,340	2,200	1,420	7,420	1,540	1,660	5,440	800	668
28-----	1,200	1,090	1,090	5,800	2,060	1,420	5,800	1,420	1,420	7,240	942	1,540
29-----	1,200	1,090	1,090	17,300	-----	1,420	5,440	1,420	1,300	5,440	2,490	1,300
30-----	1,140	1,200	1,090	16,600	-----	1,360	7,960	1,300	3,130	4,000	1,540	1,200
31-----	1,090	-----	1,090	18,400	-----	1,360	-----	1,200	-----	3,640	1,040	-----

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Etowah River near Rome, Ga.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1	2.2	7.5	3.2	3.9	4.1	4.8	3.8	3.7	3.6	2.6	2.3	2.9
2	2.0	3.4	2.9	5.4	4.0	4.4	3.8	3.6	3.4	2.5	2.25	2.8
3	2.0	3.1	2.8	9.6	4.0	3.9	3.7	3.5	3.0	2.45	3.2	2.8
4	1.9	3.0	2.8	7.5	4.2	3.6	3.7	3.4	2.9	2.4	2.5	2.7
5	1.8	2.9	2.8	5.5	4.2	5.8	3.7	3.3	2.9	3.8	2.4	2.6
6	1.75	2.8	2.7	4.3	4.0	7.5	3.6	3.2	2.8	3.2	2.3	2.5
7	1.7	2.8	2.7	4.0	4.0	6.4	3.6	3.2	2.8	2.7	2.25	2.45
8	1.65	2.8	2.6	3.9	3.9	5.8	3.6	3.4	2.8	2.6	3.5	2.4
9	1.6	2.7	2.6	3.8	3.7	17.3	3.5	3.9	2.8	2.5	3.1	2.3
10	1.55	2.6	2.6	3.7	3.6	17.2	3.4	3.6	2.7	2.5	2.6	2.2
11	1.5	2.6	2.5	3.6	3.4	8.9	6.1	3.4	2.7	2.6	2.4	2.1
12	1.5	2.5	2.5	3.4	3.4	5.6	6.0	3.2	2.6	2.6	2.8	2.6
13	1.5	2.45	2.45	3.4	4.5	4.9	4.2	3.1	2.6	2.45	2.6	2.4
14	1.9	2.4	3.5	3.4	6.5	4.7	3.8	4.2	2.6	2.4	2.35	2.4
15	2.1	2.4	6.4	3.3	5.2	4.5	3.7	3.7	2.6	2.4	2.25	2.35
16	1.7	2.9	5.6	3.4	4.4	4.4	6.2	3.2	2.5	2.35	2.25	2.3
17	1.6	3.4	4.2	3.8	4.0	6.8	7.0	3.1	3.2	2.3	2.9	2.3
18	1.55	3.0	3.8	3.8	3.8	6.6	5.2	3.1	4.0	2.3	2.7	2.2
19	1.5	2.8	3.2	5.2	3.7	5.0	4.2	3.0	3.6	4.0	2.5	2.2
20	1.5	2.6	2.8	4.2	3.6	4.5	4.0	3.0	3.4	3.7	2.4	2.1
21	2.2	2.6	4.4	3.7	4.8	4.2	3.8	3.0	3.6	2.9	2.3	2.1
22	2.05	2.6	15.0	3.8	10.6	4.1	3.6	3.0	3.9	2.6	2.6	2.25
23	1.9	2.5	20.6	8.6	16.4	4.0	3.5	3.0	4.4	2.6	2.6	2.35
24	1.9	2.5	19.4	10.4	11.2	4.0	3.5	3.0	4.6	2.8	2.35	2.15
25	4.8	2.5	12.4	7.0	7.9	3.9	3.5	2.9	4.0	2.9	2.6	19.5
26	4.2	2.4	7.9	14.3	8.5	3.8	3.5	2.9	3.6	3.0	3.2	1.8
27	3.3	2.4	6.0	13.2	6.3	5.0	3.5	2.9	4.9	2.8	2.5	1.7
28	3.0	3.7	4.4	7.0	5.0	6.1	3.4	2.8	5.3	2.6	2.4	1.6
29	8.8	7.4	3.8	5.2	---	4.7	3.4	2.8	3.6	2.45	2.3	1.6
30	19.0	4.8	3.6	4.7	---	4.2	3.4	2.8	2.8	2.4	2.8	1.6
31	18.6	---	3.4	4.3	---	3.9	---	3.0	---	2.35	3.3	---
1919-1920												
1	1.55	2.0	2.38	2.5	4.6	3.5	8.8	4.4	3.7	---	2.8	---
2	1.5	2.0	2.2	2.6	4.3	3.1	19.9	4.3	3.6	---	2.8	---
3	2.0	2.0	2.15	2.5	8.5	3.1	20.9	8.4	3.5	---	2.8	---
4	2.35	1.95	2.1	2.6	17.9	3.6	16.5	8.4	5.3	---	2.8	---
5	2.2	1.95	2.18	2.5	16.3	4.7	16.5	5.8	7.8	---	2.6	---
6	2.2	1.9	2.05	2.5	11.4	4.3	15.6	5.0	6.2	---	2.6	---
7	2.1	1.9	3.5	2.6	8.2	4.0	14.4	4.8	5.2	---	2.7	---
8	2.1	1.9	4.7	4.0	5.8	3.9	12.0	4.4	4.0	---	---	---
9	2.05	1.9	18.8	4.0	4.8	3.9	13.2	4.2	3.7	---	---	---
10	2.05	1.95	24.2	3.9	4.2	3.8	12.8	4.1	3.5	---	---	---
11	2.05	2.85	27.5	3.8	4.3	3.8	8.0	4.1	3.5	4.2	---	---
12	2.05	3.18	19.5	3.0	4.6	4.6	6.2	4.0	3.4	3.9	---	---
13	2.0	3.0	16.0	3.0	5.0	10.0	5.9	8.8	3.4	3.8	---	---
14	2.0	2.8	8.0	3.0	4.6	8.1	5.8	13.2	3.3	3.7	---	---
15	2.0	2.6	4.7	2.9	4.2	5.0	5.5	8.0	3.2	3.6	---	---
16	2.0	2.4	4.1	3.0	4.0	4.4	5.4	5.7	3.1	4.6	---	---
17	2.0	2.3	3.7	4.2	3.9	8.2	5.4	4.8	3.0	4.5	---	---
18	2.0	2.3	3.5	4.0	3.9	9.0	5.0	5.6	3.0	---	---	---
19	2.1	2.25	3.4	3.8	4.0	8.8	4.7	5.6	3.0	---	---	---
20	2.0	2.2	3.4	3.4	3.6	11.9	4.5	5.0	3.5	---	---	---
21	1.9	2.15	3.3	3.0	3.5	7.8	14.5	4.6	5.0	---	---	---
22	1.95	2.1	3.2	3.0	3.6	4.9	11.2	4.4	4.4	---	---	---
23	3.6	2.18	3.2	3.0	8.9	4.5	7.0	4.3	3.8	---	---	---
24	5.45	2.05	3.1	9.4	5.8	4.4	5.9	4.2	3.6	---	---	---
25	4.2	2.0	3.0	13.6	4.9	4.5	5.0	4.1	3.5	---	---	---
26	3.0	2.0	3.0	14.0	4.3	7.2	4.6	4.0	3.4	---	---	---
27	2.45	1.95	2.9	17.0	4.0	6.0	4.8	3.9	3.3	---	---	---
28	2.25	2.0	2.9	12.2	3.7	6.4	7.0	3.9	3.2	---	---	---
29	2.15	2.35	2.8	8.6	---	12.8	5.7	3.8	3.1	---	---	---
30	2.1	2.4	2.7	6.0	---	11.6	4.7	3.8	3.0	---	---	---
31	2.18	---	2.6	4.6	---	6.8	---	3.7	---	---	---	---

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Etowah River near Rome, Ga.

[Drainage area, 1,800 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	19,300	2,060	3,220	1.79	2.06	A.
February	13,600	2,200	5,110	2.84	2.96	A.
March	26,700	2,340	5,030	2.79	3.22	A.
April	7,930	2,200	3,040	1.69	1.89	A.
May	9,280	2,200	3,390	1.88	2.17	A.
June	9,280	2,200	3,390	1.88	2.17	A.
July	5,290	1,660	2,530	1.41	1.57	A.
August	2,490	1,090	1,620	.990	1.04	A.
September	3,380	990	1,610	.894	1.03	A.
October	3,910	895	1,440	.800	.89	A.
November	2,060	895	1,040	.578	.67	A.
December	8,820	990	2,210	1.23	1.37	A.
The year	23,000	1,420	3,540	1.97	2.27	A.
1908						
January	26,700	895	2,820	1.56	21.14	
February	9,280	2,120	3,430	1.91	2.20	A.
March	23,000	2,640	5,810	3.23	3.48	A.
April	35,600	2,490	5,550	3.08	3.55	A.
May	17,900	2,640	4,650	2.58	2.88	A.
June	6,260	2,340	3,170	1.76	2.03	A.
July	2,880	1,420	1,970	1.09	1.22	A.
August	4,000	1,200	1,740	.967	1.11	A.
September	2,880	1,040	1,450	.806	.93	A.
October	4,360	800	1,140	.633	.71	A.
November	4,720	710	1,150	.639	.74	A.
December	1,200	942	1,040	.578	.578	A.
The year	19,300	990	3,050	1.69	1.95	A.
1909						
January	35,600	710	2,850	1.58	2.44	
February	9,040	1,420	2,910	1.62	1.87	A.
March	21,300	1,480	7,880	4.38	4.56	B.
April	36,800	3,130	11,400	6.33	7.30	C.
May	8,680	2,960	4,370	2.43	2.71	A.
June	22,200	2,720	5,110	2.84	3.27	A.
July	18,000	2,490	5,230	2.91	3.25	A.
August	5,080	1,920	2,760	1.53	1.76	A.
September	23,800	1,480	4,230	2.35	2.71	A.
October	3,300	1,300	1,900	1.06	1.18	A.
November	9,220	1,200	1,860	1.03	1.19	A.
December	1,420	1,200	1,250	.694	.77	A.
The year	7,600	1,200	2,280	1.27	1.47	A.
1910						
January	36,800	1,200	4,270	2.37	32.03	
February	4,360	1,540	2,360	1.31	1.51	A.
March	15,700	1,660	3,150	1.75	1.82	A.
April	7,420	1,660	2,630	1.46	1.68	A.
May	4,900	1,540	1,890	1.05	1.17	A.
June	13,000	1,360	3,830	2.13	2.46	A.
July	6,160	1,660	2,760	1.53	1.71	A.
August	5,800	1,660	3,050	1.69	1.95	A.
September	4,540	1,140	1,820	1.01	1.16	A.
October	3,820	876	1,260	.700	.78	A.
November	2,200	800	1,030	.572	.66	A.
December	1,090	876	906	.503	.56	A.
The year	7,240	895	1,520	.844	.97	A.

WATER POWERS OF GEORGIA

Monthly discharge of Etowah River near Rome, Ga.—Continued.

[Drainage area, 1,800 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1911						
January	17,500	1,200	2,730	1.52	1.75	A.
February	4,360	1,200	2,000	1.11	1.16	A.
March	3,730	1,140	1,710	.950	1.10	A.
April	27,000	1,540	5,810	3.23	3.60	A.
May	2,270	1,360	1,690	.939	1.08	A.
June	1,660	895	1,160	.644	.72	A.
July	7,600	895	1,920	1.07	1.23	A.
August	5,800	710	1,450	.806	.93	A.
September	1,660	545	833	.463	.52	A.
October	10,100	545	1,830	1.02	1.18	A.
November	9,760	848	2,140	1.19	1.33	A.
December	9,400	990	2,190	1.22	1.41	A.
The year	27,000	545	2,210	1.18	16.01	
1912						
January	18,200	1,540	3,630	2.02	2.33	
February	23,100	2,060	6,750	3.75	4.04	
March	33,200	4,000	9,660	5.37	6.19	
April	17,300	3,300	6,480	3.60	4.02	
May	13,700	2,640	4,830	2.68	3.09	
June	15,000	2,340	4,620	2.57	2.87	
July	11,900	2,060	4,520	2.51	2.89	
August	13,900	1,660	3,040	1.69	1.95	
September	10,800	1,360	2,400	1.33	1.48	
October	6,880	1,480	2,350	1.31	1.51	
November	2,840	1,250	1,630	.906	1.01	
December	3,640	1,420	1,870	1.04	1.20	
The year	33,200	1,250	4,310	2.39	32.58	
1913						
January	22,000	1,540	3,900	2.17	2.50	B.
February	19,300	2,800	5,510	3.06	3.19	B.
March	26,800	2,960	9,480	5.27	6.08	C.
April	5,440	2,340	3,310	1.84	2.05	A.
May	4,720	1,790	2,350	1.31	1.51	A.
June	3,300	1,360	1,870	1.04	1.16	A.
July	8,140	990	2,050	1.14	1.31	A.
August	4,720	990	1,740	.967	1.11	A.
September	7,240	800	1,190	.661	.74	A.
1913-1914						
October	3,640	755	1,110	0.617	0.71	A.
November	1,480	848	989	.549	.61	A.
December	2,640	1,040	1,370	.761	.88	A.
January	2,340	990	1,370	.761	.88	A.
February	3,820	1,090	1,830	1.02	1.06	A.
March	5,080	1,090	1,550	.861	.99	A.
April	20,600	1,250	4,550	2.53	2.82	B.
May	1,920	942	1,270	.706	.81	A.
June	2,340	625	1,050	.573	.65	A.
July	3,640	625	1,210	.672	.77	A.
August	2,960	625	1,290	.717	.83	A.
September	3,820	585	874	.486	.54	B.
The year	20,600	585	1,530	.850	11.55	

GEOLOGICAL SURVEY OF GEORGIA

Monthly discharge of Etowah River near Rome, Ga.—Continued.

[Drainage area, 1,800 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1914-1915						
October	8,500	609	1,390	0.772	0.89	A.
November	1,920	668	952	.529	.59	C.
December	17,000	990	4,420	2.46	2.84	B.
January	12,100	2,060	4,440	2.47	2.85	B.
February	21,300	2,640	5,930	3.29	3.43	B.
March	5,260	2,340	3,130	1.74	2.01	A.
April	2,340	1,660	1,940	1.08	1.20	A.
May	15,200	1,480	2,980	1.66	1.91	B.
June	4,000	990	1,880	1.04	1.16	A.
July	7,960	895	2,010	1.12	1.29	A.
August	4,000	895	1,270	.706	.81	A.
September	4,720	895	1,430	.794	.89	A.
The year	21,300	609	2,630	1.46	19.87	
1915-1916						
October	24,700	1,040	4,380	2.43	2.80	
November	2,340	1,200	1,640	.911	1.02	
December	37,800	1,200	6,670	3.71	4.28	
January	13,200	2,200	3,440	1.91	2.20	
February	16,600	2,340	4,060	2.26	2.44	
March	4,540	2,060	2,640	1.47	1.70	
April	3,300	1,660	1,980	1.10	1.23	
May	11,600	1,090	2,500	1.39	1.60	
June	3,640	1,420	2,070	1.15	1.28	
July	44,700	1,140	12,600	7.00	8.07	
August	12,100	1,790	3,800	2.11	2.43	
September	5,800	1,300	1,920	1.07	1.19	
The year	44,700	1,040	4,000	2.22	30.24	
1916-1917						
October	2,960	895	1,300	0.722	0.83	
November	2,340	895	1,560	.867	.97	
December	9,760	1,090	2,520	1.40	1.61	
January	12,100	1,920	4,410	2.45	2.82	
February	31,700	2,340	8,920	4.96	5.16	
March	38,900	4,000	14,900	8.28	9.55	
April	22,900	3,300	6,430	3.57	3.98	
May	4,900	2,200	3,090	1.72	1.98	
June	4,360	1,920	2,800	1.56	1.74	
July	12,100	1,040	2,580	1.43	1.65	
August	17,000	990	2,540	1.41	1.63	
September	15,200	848	3,250	1.81	2.02	
The year	38,900	848	4,500	2.50	33.94	
1917-1918						
November	4,360	710	1,500	0.833	0.96	
December	1,360	895	1,060	.589	.66	
January	1,200	990	1,100	.611	.70	
February	18,400	990	4,820	2.68	3.09	
March	11,200	2,060	3,320	1.84	1.92	
April	2,060	1,360	1,580	.878	1.01	
May	21,300	1,250	4,530	2.52	2.81	
June	11,200	1,200	3,060	1.70	1.96	
July	3,130	990	1,540	.856	.96	
August	7,240	710	2,250	1.25	1.44	
September	5,800	800	1,940	1.08	1.24	
October	5,800	668	1,440	.800	.89	
The year	21,300	668	2,340	1.30	17.64	

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Amicalola River near Potts Mountain, Ga.
—Continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1	510	660	330	375	420	250	154	130	110	94	102	154
2	465	420	330	375	398	250	154	130	110	94	94	130
3	375	330	310	330	375	250	154	130	110	94	94	110
4	290	290	310	330	375	398	154	130	110	94	94	110
5	760	290	310	290	375	250	182	130	120	94	94	110
6	375	290	290	510	510	232	290	130	182	94	94	110
7	330	290	290	330	560	232	250	142	130	94	94	-----
8	330	250	270	290	375	214	198	182	110	154	94	-----
9	290	250	270	290	330	214	465	198	110	130	94	760
10	290	-----	270	290	330	214	420	154	102	154	94	290
11	250	-----	290	290	330	214	214	130	102	110	94	250
12	760	560	290	290	310	214	182	130	102	94	94	250
13	510	510	290	290	290	214	182	130	102	94	94	214
14	420	585	290	290	290	290	154	130	102	94	102	214
15	375	-----	290	760	290	214	154	110	102	94	102	154
16	375	-----	290	510	290	198	154	110	102	94	94	130
17	330	610	270	760	330	182	142	130	102	94	94	130
18	330	510	270	420	290	182	142	130	102	-----	94	130
19	330	585	270	560	270	182	130	110	102	-----	94	130
20	290	510	465	510	270	182	130	110	110	-----	94	130
21	290	420	420	442	270	182	130	110	110	-----	94	130
22	270	420	375	465	250	182	130	214	102	-----	94	610
23	250	375	660	465	250	182	120	154	102	94	94	465
24	250	375	-----	420	250	214	130	154	94	94	94	214
25	250	375	-----	-----	-----	198	130	154	94	94	94	182
26	250	510	510	510	-----	182	130	154	94	94	94	182
27	250	420	465	610	375	182	130	154	94	94	94	154
28	250	375	442	510	290	182	130	130	102	102	94	154
29	270	375	420	420	290	168	154	130	94	130	94	154
30	250	-----	420	465	290	168	154	120	94	110	94	130
31	250	-----	420	-----	290	-----	130	110	-----	102	-----	130
1910												
1	-----	-----	-----	-----	-----	-----	226	152	165	113	90	80
2	-----	-----	-----	-----	-----	-----	296	152	138	102	90	80
3	-----	-----	-----	-----	-----	-----	334	138	165	102	90	80
4	-----	-----	-----	-----	-----	-----	296	243	210	102	90	80
5	-----	-----	-----	-----	-----	-----	710	194	180	113	90	760
6	-----	-----	-----	-----	-----	-----	375	735	152	113	80	375
7	-----	-----	-----	-----	-----	296	420	226	138	113	80	334
8	-----	-----	-----	-----	-----	278	334	334	126	138	80	296
9	-----	-----	-----	-----	-----	260	296	260	165	138	80	260
10	-----	-----	-----	-----	-----	260	260	194	126	113	80	210
11	-----	-----	-----	-----	-----	260	243	165	126	113	80	165
12	-----	-----	-----	-----	-----	260	243	152	126	102	80	138
13	-----	-----	-----	-----	-----	260	226	152	126	102	80	102
14	-----	-----	-----	-----	-----	260	210	152	126	102	80	102
15	-----	-----	-----	-----	-----	260	194	226	126	102	80	90
16	-----	-----	-----	-----	-----	243	194	165	113	102	80	90
17	-----	-----	-----	-----	-----	243	194	152	113	102	80	90
18	-----	-----	-----	-----	-----	226	194	152	113	102	80	90
19	-----	-----	-----	-----	-----	210	194	138	113	102	80	90
20	-----	-----	-----	-----	-----	194	194	138	113	90	80	90
21	-----	-----	-----	-----	-----	194	180	138	102	90	80	90
22	-----	-----	-----	-----	-----	194	180	138	102	90	80	90
23	-----	-----	-----	-----	-----	194	165	126	102	90	80	138
24	-----	-----	-----	-----	-----	194	165	126	90	90	80	138
25	-----	-----	-----	-----	-----	194	165	126	90	90	80	113
26	-----	-----	-----	-----	-----	194	165	138	90	90	80	113
27	-----	-----	-----	-----	-----	180	165	138	90	90	80	113
28	-----	-----	-----	-----	-----	180	165	126	90	90	80	113
29	-----	-----	-----	-----	-----	226	152	126	90	90	80	113
30	-----	-----	-----	-----	-----	226	152	138	260	90	80	113
31	-----	-----	-----	-----	-----	-----	152	165	-----	90	-----	113

WATER POWERS OF GEORGIA.

Daily discharge, in second feet, of Amicalola River near Potts Mountain, Ga.
—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1911												
1	138	113	138	165	260	165	102	90	90	69	90	126
2	810	113	138	152	260	165	102	165	90	69	86	126
3	1,140	113	138	152	260	165	90	194	90	69	86	126
4	465	113	138	165	226	165	90	194	90	69	90	126
5	260	113	138	4,550	226	165	194	296	138	69	90	126
6	226	138	126	760	210	152	126	138	113	69	354	126
7	194	136	126	660	210	152	90	334	90	69	194	113
8	165	138	126	915	194	152	585	296	90	165	138	113
9	152	152	113	760	194	138	260	138	90	165	760	113
10	138	138	113	510	194	138	165	113	90	1,300	226	113
11	138	138	113	560	194	138	138	102	90	226	194	113
12	138	138	113	535	194	126	138	90	90	138	194	113
13	138	138	113	510	180	126	126	90	90	113	165	113
14	138	138	113	465	180	113	296	90	80	102	138	108
15	138	138	113	420	165	113	113	90	80	102	138	108
16	138	138	113	398	165	113	113	80	80	102	126	126
17	138	138	113	375	165	113	113	80	80	560	126	113
18	138	138	113	334	165	113	113	194	80	260	296	113
19	138	296	126	315	165	260	113	138	80	165	165	113
20	138	210	165	296	165	165	113	113	102	138	138	126
21	138	165	138	278	260	138	113	90	90	126	138	126
22	126	138	126	278	210	226	113	90	90	126	126	970
23	113	138	126	278	260	126	113	90	80	113	126	510
24	113	138	113	260	226	113	113	80	80	113	126	278
25	113	138	113	243	180	113	138	80	80	113	126	260
26	113	138	296	243	165	113	113	80	80	102	126	296
27	113	138	226	226	165	113	113	194	80	102	126	260
28	113	138	210	226	226	102	113	138	80	102	126	760
29	113	---	210	296	296	102	113	102	80	90	126	296
30	113	---	194	278	226	102	102	90	80	90	126	260
31	113	---	180	---	165	---	90	90	---	90	---	260
1912												
1	226	334	420	760	510	260	243	194	152	138	138	138
2	226	296	420	710	465	260	260	194	138	138	138	138
3	260	260	375	660	465	260	296	194	138	138	138	165
4	226	260	375	635	420	334	260	194	138	260	138	165
5	226	243	334	610	420	296	260	194	194	165	138	138
6	226	226	860	610	420	278	334	194	152	138	138	138
7	260	226	510	510	760	278	260	194	138	138	165	138
8	296	226	465	465	465	278	243	260	152	138	152	138
9	296	226	465	420	420	260	260	296	138	138	138	138
10	278	226	465	398	420	243	260	334	138	126	138	138
11	278	243	442	375	398	243	2,690	296	138	126	138	138
12	296	243	420	375	398	226	710	260	138	126	152	138
13	260	243	375	375	375	226	510	260	152	126	138	138
14	243	278	375	375	375	210	375	226	138	165	138	138
15	226	760	5,150	375	334	1,020	375	210	138	138	138	138
16	226	510	1,140	510	334	296	334	210	138	138	138	138
17	210	465	610	465	334	260	334	210	138	138	138	138
18	210	375	560	442	334	243	296	296	138	126	138	138
19	194	334	510	442	334	226	296	226	126	1,300	126	165
20	194	398	488	420	296	226	260	226	126	226	126	165
21	194	334	442	420	296	226	260	210	138	165	126	152
22	194	334	420	2,450	278	210	260	210	138	152	126	152
23	194	334	398	610	278	210	260	194	1,250	152	126	165
24	194	375	1,020	510	278	210	243	180	420	138	126	165
25	180	420	610	465	260	465	243	180	260	138	126	165
26	180	1,190	560	420	260	660	243	180	165	138	126	152
27	180	1,020	560	420	260	296	226	165	138	138	138	152
28	180	510	610	465	296	260	226	165	138	138	138	138
29	1,740	465	6,050	710	296	243	210	152	138	138	138	138
30	760	---	1,140	560	278	243	210	152	138	126	138	138
31	465	---	1,020	---	278	---	194	152	---	126	---	138

NOTE.—Daily discharge computed from a rating curve fairly well defined below 300 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily gage height, in feet, of Amicalola River near Potts Mountain, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1913												
1	1.5	1.8	2.2	2.3	1.9	1.95	1.8	1.8	-----	1.4	1.2	1.1
2	1.5	1.8	2.1	2.25	1.9	1.95	1.8	1.8	-----	1.4	1.2	1.1
3	1.5	4.0	2.0	2.2	1.9	2.5	1.8	1.0	-----	1.5	1.2	1.1
4	1.5	2.5	2.0	2.2	1.9	2.1	1.8	1.75	-----	1.4	1.2	1.1
5	1.5	2.1	1.95	2.2	1.9	2.0	1.95	1.75	-----	1.35	1.2	1.1
6	1.6	2.0	1.9	2.15	1.9	2.0	1.9	1.7	-----	1.35	1.2	1.1
7	1.8	1.9	1.9	2.15	1.9	2.1	1.85	1.7	1.5	1.35	1.2	1.25
8	1.8	1.85	1.9	2.1	1.95	3.2	1.8	1.7	1.5	1.35	1.2	1.2
9	1.8	1.8	1.9	2.1	2.1	2.2	1.8	1.7	1.5	1.35	1.15	1.2
10	1.9	1.8	3.0	2.0	2.0	2.1	1.75	1.65	1.5	1.35	1.15	1.15
11	1.9	2.9	3.1	2.0	2.0	2.0	1.9	1.65	1.5	1.35	1.15	1.15
12	2.5	2.6	2.4	2.0	1.95	1.95	1.9	1.65	1.5	1.35	1.15	1.15
13	1.9	2.4	2.5	2.0	1.95	1.95	1.8	1.75	1.5	1.35	1.15	1.15
14	1.9	2.0	11.0	2.05	1.95	1.95	1.8	1.7	1.5	1.35	1.15	1.15
15	1.8	1.9	9.0	2.0	1.95	1.95	1.75	1.7	1.5	1.35	1.15	1.25
16	1.8	1.85	3.0	2.0	2.0	1.9	1.75	1.7	1.5	1.35	1.15	1.15
17	1.8	1.8	2.9	2.0	2.1	1.9	1.7	1.65	1.5	1.35	1.1	1.15
18	1.9	1.8	2.7	2.0	2.0	1.85	1.7	1.65	1.5	1.35	1.1	1.15
19	1.8	1.8	2.6	2.0	2.0	1.85	1.7	1.6	1.5	1.3	1.1	1.15
20	1.7	5.0	2.4	2.0	2.0	1.85	1.7	1.6	1.5	1.3	1.1	1.15
21	1.7	2.25	3.5	1.9	1.95	1.8	1.7	1.6	1.45	1.3	1.1	1.15
22	1.7	2.0	2.9	1.9	1.95	1.8	1.65	1.55	1.45	1.3	1.1	1.25
23	1.8	1.85	2.6	1.9	3.0	1.8	1.65	1.55	1.45	1.3	1.1	1.25
24	1.9	1.8	2.4	1.9	2.5	1.8	1.65	-----	1.45	1.25	1.1	1.3
25	1.9	1.8	2.2	1.9	2.1	1.8	1.75	-----	1.45	1.25	1.05	1.35
26	1.85	1.8	2.2	1.9	2.1	1.8	1.75	-----	1.45	1.25	1.05	1.35
27	4.0	3.6	7.0	1.9	2.0	1.9	1.8	-----	1.45	1.25	1.05	1.35
28	2.2	2.5	3.0	2.0	2.0	1.9	1.8	-----	1.45	1.25	1.05	1.4
29	2.0	-----	2.6	2.0	1.95	1.85	1.8	-----	1.45	1.25	1.05	1.5
30	1.8	-----	2.4	1.95	1.95	1.8	1.75	-----	1.45	1.2	1.1	1.5
31	1.8	2.4	-----	1.9	-----	-----	1.75	-----	-----	1.2	-----	2.0

Monthly discharge of Amicalola River near Potts Mountain, Ga.

[Drainage area, 80 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1910						
June 7-30	296	180	229	2.86	2.55	A.
July	710	152	240	3.00	3.46	A.
August	735	126	184	2.30	2.65	A.
September	260	90	129	1.61	1.80	A.
October	138	90	102	1.28	1.48	A.
November	90	80	81.7	1.02	1.14	A.
December	760	80	156	1.95	2.25	A.
1911						
January	1,140	113	205	2.56	2.95	A.
February	296	113	143	1.79	1.86	A.
March	296	113	143	1.79	2.06	A.
April	4,550	152	520	6.50	7.25	B.
May	296	165	205	2.56	2.95	A.
June	260	102	140	1.75	1.95	A.
July	585	90	142	1.78	2.05	A.
August	334	80	134	1.68	1.94	A.
September	138	80	88.1	1.10	1.23	A.
October	1,300	69	167	2.09	2.41	B.
November	760	86	169	2.11	2.35	A.
December	970	108	214	2.68	3.09	A.
The year	4,550	69	189	2.36	32.09	
1912						
January	1,740	180	301	3.76	4.34	
February	1,190	226	392	4.90	5.28	
March	6,050	334	890	11.1	12.80	
April	2,450	375	565	7.06	7.88	
May	760	260	366	4.58	5.28	
June	1,020	210	298	3.72	4.15	
July	2,690	194	369	4.61	5.32	
August	334	152	213	2.66	3.07	
September	1,250	126	192	2.40	2.68	
October	1,300	126	183	2.29	2.64	
November	165	126	137	1.71	1.91	
December	165	138	146	1.82	2.10	
The year	6,050	126	338	4.22	57.45	

LONG SWAMP CREEK NEAR BALL GROUND, GA.

Location.—At wooden wagon bridge, one-half mile above the mouth of the creek, which empties into the Etowah River a short distance above Gilmore Bridge where the Etowah River gaging station is located.

Records Available.—November 30, 1918, to September 30, 1920.

Gage.—Vertical staff attached to the downstream post of the left bank bent of the bridge.

Discharge Measurements.—Made from the downstream side of the bridge.

Channel and Control.—Bed is smooth and sandy. Control is not defined by ledge, but is probably fairly permanent. High stage of Etowah River will probably affect the stage-discharge relation.

Discharge measurements of Long Swamp Creek near Ball Ground, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1918	Feet.	Sec.-ft.	1919	Feet.	Sec.-ft.
November 26-----	0.75	74.4	October 2-----	.38	37.5
November 30-----	1.20	132	October 3-----	.51	49.9
December 13-----	0.80	103			
1919			1920		
April 7-----	1.64	188	April 3-----	5.00	691
			June 3-----	1.85	203

Daily gage height, in feet, of Long Swamp Creek at Ball Ground, Ga.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1-----			1.05	1.8	1.9	2.0	1.8	2.0	1.3	0.95	0.7	0.9
2-----			1.0	2.8	1.8	1.9	1.7	1.8	.95	.9	.8	.85
3-----			.9	4.8	1.75	1.8	1.7	1.5	.9	.85	.8	.75
4-----			.85	2.6	2.0	1.8	1.8	1.5	.9	.85	.8	.7
5-----			.85	2.0	1.6	1.9	1.7	1.4	.85	.8	.7	.65
6-----			.85	1.85	1.6	3.7	1.7	1.7	.8	1.0	.7	.65
7-----			.8	1.75	1.5	2.3	1.65	1.6	.8	.8	.7	.6
8-----			.8	1.7	1.45	2.2	1.65	1.7	.75	.9	.9	.6
9-----			.8	1.7	1.6	8.9	1.7	1.6	.8	.9	.9	.55
10-----			.8	1.6	1.5	3.7	1.7	1.5	.8	.8	2.4	.55
11-----			1.0	1.6	1.5	2.7	4.7	1.45	.75	.8	.9	.5
12-----			.9	1.6	1.6	2.4	2.3	1.3	.75	.8	.85	1.8
13-----			.9	1.55	1.7	2.2	1.9	1.3	.9	.75	.85	.6
14-----			.95	1.55	2.8	2.2	1.9	1.5	.8	.8	.75	.55
15-----			2.8	1.4	2.0	2.1	1.65	1.4	.85	.75	.75	.5
16-----			3.7	1.4	1.85	2.0	5.7	1.3	1.1	.7	.9	.5
17-----			2.0	1.9	1.8	2.0	3.0	1.3	1.3	.7	.8	.4
18-----			1.7	2.1	1.6	2.5	2.4	1.45	1.0	.75	.8	.35
19-----			1.6	1.7	1.5	2.1	2.0	1.4	.9	1.0	.7	.3
20-----			1.45	1.6	1.4	2.0	1.95	1.4	.9	1.0	.7	.3
21-----			.2.8	1.6	1.9	2.0	1.9	1.3	.85	1.0	.65	2.5
22-----				1.5	9.1	1.9	1.75	1.3	.8	.9	1.0	.3
23-----				5.0	7.5	1.8	1.7	1.3	.85	1.1	.8	.3
24-----			5.4	3.5	2.7	1.75	1.55	1.2	2.4	.85	.95	.25
25-----			3.2	2.3	3.2	1.7	1.55	1.2	2.5	.9	1.0	.25
26-----			2.2	7.6	2.5	1.8	1.5	1.25	1.0	1.0	.85	.2
27-----			1.95	3.4	2.1	5.0	1.45	1.2	2.5	.95	.8	.2
28-----			1.75	2.4	2.0	2.6	1.4	1.1	1.1	.9	.75	.2
29-----			1.7	2.2		2.3	1.35	1.0	1.1	.9	.7	.2
30-----			1.65	2.0		2.0	1.3	1.1	.95	.8	1.95	.2
31-----			1.5	1.9		1.9		1.0		.8	1.0	

Daily gage height, in feet, of Long Swamp Creek at Ball Ground, Ga.
—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-1920												
1-----	0.4	0.55	0.7	1.0	1.8	1.65	4.5	2.2	1.95	1.35	1.1	1.4
2-----	.4	.9	.6	.9	1.6	1.6	12.5	2.1	1.95	1.3	1.05	1.35
3-----	.4	.6	.6	.9	1.9	1.55	6.3	2.9	1.25	1.9	1.05	1.4
4-----	.6	.6	.6	.8	9.6	1.55	6.6	2.3	2.8	2.0	1.0	1.4
5-----	.4	.55	.6	.75	4.5	3.4	5.1	2.3	2.9	1.45	1.0	1.35
6-----	.4	.55	.6	.75	3.1	2.15	3.5	2.3	2.0	1.35	1.0	1.35
7-----	.45	.5	1.6	1.05	2.6	1.9	3.4	2.3	1.8	1.6	1.0	1.3
8-----	.4	.55	2.7	2.0	2.3	1.15	3.0	2.3	1.8	1.4	.9	1.3
9-----	1.0	.5	16.7	1.8	2.1	1.7	5.4	2.3	1.7	1.35	1.9	1.55
10-----	.5	.5	16.5	1.55	2.0	1.7	4.4	2.0	1.6	1.3	2.5	2.4
11-----	.5	.9	3.6	1.25	1.95	1.6	3.2	2.0	1.6	1.5	2.6	1.6
12-----	.45	1.2	2.2	1.15	1.6	1.7	3.0	1.9	1.5	2.6	2.4	1.4
13-----	.7	.9	1.6	1.1	2.15	5.0	2.9	11.8	1.5	1.4	2.7	1.35
14-----	.6	.7	2.1	1.0	1.9	1.8	2.7	3.7	1.5	1.3	9.1	1.3
15-----	.5	.7	1.5	1.0	1.75	1.75	2.6	2.9	1.5	1.3	4.4	1.3
16-----	.5	.65	1.4	1.2	1.65	2.2	2.6	2.6	1.4	2.1	3.0	1.35
17-----	.7	.6	1.3	2.6	1.6	3.5	2.6	2.5	1.4	1.4	2.3	1.2
18-----	.5	.6	1.2	1.6	1.6	2.8	2.5	2.5	1.4	2.9	2.3	1.2
19-----	.5	.6	1.3	1.35	1.6	6.3	2.5	2.8	1.5	2.3	2.4	1.2
20-----	.5	.6	1.9	1.25	1.55	4.4	2.4	2.5	2.6	1.8	5.8	1.2
21-----	.5	.6	1.5	1.25	1.5	2.9	8.7	2.4	1.8	1.5	2.6	1.1
22-----	.9	.55	1.35	1.15	7.5	2.6	2.7	2.5	1.5	2.5	2.2	1.1
23-----	1.7	.6	1.2	1.15	4.4	2.3	3.5	2.4	1.6	1.6	1.9	1.1
24-----	1.8	.6	1.2	6.0	2.5	2.2	2.4	2.3	2.4	1.4	1.75	1.1
25-----	.8	.6	1.1	4.3	2.2	2.2	2.3	2.2	1.6	1.35	1.6	1.2
26-----	.7	.7	1.0	5.4	1.95	3.5	2.4	2.3	1.5	1.3	1.45	1.1
27-----	.6	.6	1.0	5.5	1.8	2.3	3.2	2.2	1.4	1.3	1.4	1.1
28-----	.6	.6	1.0	3.0	1.7	2.8	2.6	2.4	1.4	1.25	1.9	1.50
29-----	.6	.6	1.0	2.4	1.8	7.2	2.4	2.2	1.4	1.2	2.1	1.0
30-----	.55	1.0	.95	2.1	-----	2.4	2.3	2.0	1.4	1.15	1.6	1.0
31-----	.55	-----	.95	1.9	-----	2.7	-----	2.0	-----	1.1	1.6	-----

HIWASSEE RIVER DRAINAGE BASIN.

DESCRIPTION

Hiwassee River rises in the mountains of the Blue Ridge in western North Carolina and northern Georgia, takes a northwesterly direction, breaks through the Unaka Mountains, and enters Tennessee River 36 miles above Chattanooga, after flowing for 41 miles through a level country.

Nottely and Ocoee rivers, important tributaries, head in the Blue Ridge in Georgia. The Nottely enters the Hiwassee a short distance below Murphy, N. C., but the Ocoee has cut for itself a separate channel through the mountain border and enters the Hiwassee about 6 miles below Savannah Ford, which is the head of navigation. The lower mountain channels of both Hiwassee and Ocoee are exceedingly narrow, with high, precipitous banks, and the fall of both streams is very large.

The Hiwassee River basin occupies the southwestern portion of the Appalachian Mountains, covering the southern extremity of this mountain range northwest of the Blue Ridge.

WATER POWERS OF GEORGIA

HIWASSEE RIVER NEAR HAYESVILLE, N. C.

Location.—At the iron wagon bridge known as Barnard Bridge, 2½ miles east of Hayesville, about 1 mile below the mouth of Shooting Creek and 4 miles above Tusquitee Creek.

Drainage.—186 square miles.

Records Available.—May 20, 1907 to December 31, 1909.

Gage.—Vertical rod attached to a maple tree on the left bank about 200 feet above the bridge.

Discharge Measurements.—Made from the single-span bridge.

Channel and Control.—The current is swift and the bed is com-

Discharge measurements of Hiwassee River near Hayesville, N. C.

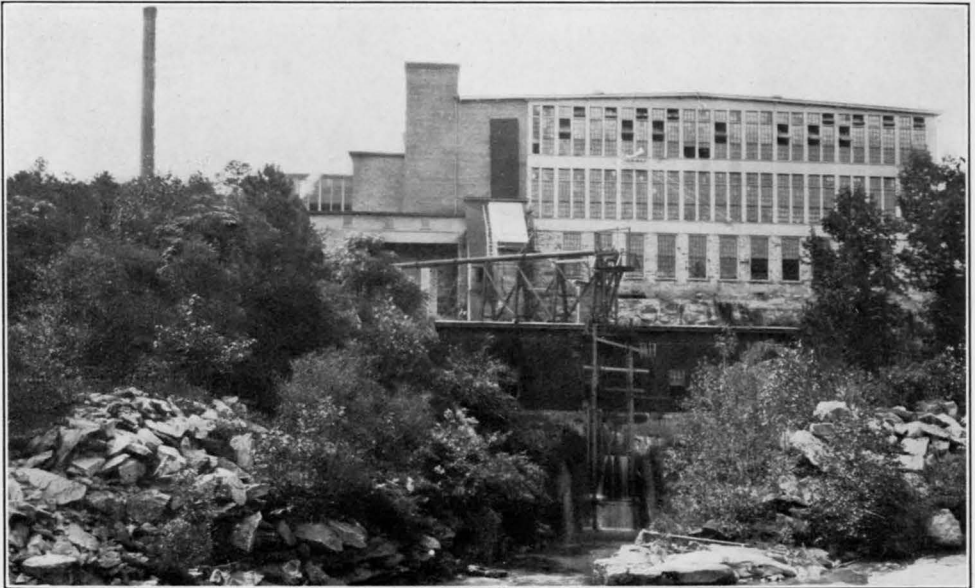
Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907	Feet.	Sec.-ft.	1908	Feet.	Sec.-ft.
May 20	1.41	437	November 20	1.01	237
August 22	1.32	390	November 20	1.01	235
August 22	1.32	382			
October 14	1.00	242	1909		
			April 12	1.79	549
1908			July 22	1.42	440
August 14	0.88	198	October 23	1.07	249

Daily discharge, in second-feet, of Hiwassee River near Hayesville, N. C.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1							370	344	236	370	204	344
2							370	318	204	318	430	318
3							370	296	236	318	255	318
4								274	274	318	255	318
5							430	274	274	344	236	296
6						465	370	274	274	296	274	296
7						465	370	274	220	274	236	296
8							370	318	236	465	236	274
9							370	274	236	296	220	400
10							344	274	370	274	500	
11							500	255		236	370	
12								370	296	236	318	
13						500		274	274	236	318	500
14							500	400	236	236	274	
15						500	430		236	236	255	
16						465	500	500	220	236	236	
17						430	430	370	210	220	236	
18						430	400		210	204	430	
19						430	430	465	204	204	318	
20					430	430	430	370	204	204	296	500
21					430	430	400	400	201	204		430
22					430	400	370	400	255	204		430
23					430	500	344	370		204		
24					430		318	400		*236		
25					430		318	318	500	220		
26						465	318	296	370	204		
27						430	296	274	318	430	500	
28					430	430	296	255		274	430	
29					430	500	274	255		236	370	
30					430	430		236	500	220	344	
31							370	236		204		



PORTERDALE DAM AND POWER PLANT, BIBB MANUFACTURING COMPANY,
YELLOW RIVER, NEAR COVINGTON, GEORGIA.



POWER PLANT, MILSTEAD MANUFACTURING COMPANY, YELLOW RIVER,
NEAR CONYERS, GEORGIA.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Hiwassee River near Hayesville, N. C.

—Continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908												
1						465	255	204	236	176	318	500
2						430	236	204	220	171	274	430
3						430	318	204	204	166	255	318
4						500	318	204	204	164	318	296
5						430		236	220	162	255	274
6						430	500	370	500	162	255	274
7						400	500	274	318	162	255	
8						400		274	274	157	236	
9						370		430	255	204	230	
10						370		255	236	500	220	
11						430		274	236	255	236	500
12						370	430	220	236	220	274	
13						344	370	204	220	190	255	
14							344	204	204	187	296	500
15						465	318	204	204	182	296	430
16						370	370	190	190	176	255	370
17						344	318	190	176	176	255	370
18						370	296	204	176	176	255	370
19						318	370	190	176	176	230	400
20						296	296	274	176	171	226	370
21							344	274	204	176	226	344
22							370	255	500	166	220	
23					500	318	236	400	176		217	
24					500	318	236	400	176	500	217	
25						318	274		176	318	210	
26						274	274		176	274	204	
27						274	255	430	176	236	204	500
28						274	236	318	220	274	204	500
29					500	255	274	274	190		204	430
30							255	274	176	500	198	430
31	500				500		236	255		400		500
1909												
1	430	370						430	274	236	236	204
2	400	370							255	236	236	204
3	370	370							236	220	220	204
4	370	344							236	220	220	204
5		344						500	236	220	220	204
6								465	236	236	220	190
7		465							236	220	220	
8		430						500	236	220	204	
9	500	400						430	255	204	204	400
10	430							500	430	204	204	318
11	430							430	255		204	296
12	430							400	255	274	204	274
13	430							500	236	236	204	
14	430							400	220		204	
15									255		204	
16							500	430	274	500	204	500
17								430	255	370	318	430
18								370	274	318	236	274
19							500	344	255	296	204	274
20							500	318	236	274	204	255
21							465	318	236	274	204	296
22							430	296		274	204	296
23								296		255	318	296
24	500						465	274	500	274	220	296
25	500						430	274	370	274	220	
26	465						400	274	344	255	204	274
27	430						500	274	274	255	204	296
28	400						430	274	274	255	204	344
29	430						400	274	255	236	204	296
30	430						430	274	255	236	204	296
31	370						370	274		236	204	

NOTE.—These discharges are based on a rating curve that is well defined between discharges 152 and 500 second-feet. The high-water portion of the curve has not been developed. Discharges for all missing days are above 500 second-feet.
Daily discharge for 1907 and 1908 based on a well-defined rating curve. On missing days, beginning May 20, 1907, the discharge was greater than 530 second-feet.

NOTTELY RIVER RANGER, N. C.

Location.—About half a mile downstream from Ranger, Cherokee County, which is on Louisville & Nashville Railroad, 7½ miles from Murphy, N. C., and 8 miles upstream from Hiwasee River, to which Nottely River is tributary.

Drainage Area.—272 square miles.

Records Available.—February 16, 1901, to December 31, 1905; January 22, 1914, to September 30, 1920.

Gage.—Rod gage fastened to a large birch tree on left bank 75 feet upstream from highway bridge; zero same as for original gage which was destroyed in 1913, when a new steel bridge replaced old wooden one.

Discharge Measurements.—Made from downstream side of steel highway bridge on road from Ranger to Murphy, N. C. Measuring section is poor and uneven and current somewhat erratic, necessitating very careful measurements.

Channel and Control.—Bed composed of boulders, gravel and sand; permanent. Right bank high; left bank subject to overflow beyond bridge end at stages above 18 feet. Control is formed by a low shoal about 300 feet downstream from gage; permanent.

Regulation.—The operation of small mills upstream may cause slight diurnal fluctuation, but not enough to affect accuracy of determinations.

Discharge measurements of Nottely River near Ranger, N. C.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1914	Feet.	Sec.-ft.	1918	Feet.	Sec.-ft.
January 22-----	2.66	186	October 19-----	2.59	164
February 17-----	3.00	281	October 28-----	5.44	986
April 18-----	4.08	530	November 8-----	3.59	422
November 7-----	2.41	144			
1915			1919		
October 18-----	2.95	248	January 10-----	4.60	742
			April 2-----	4.60	739
1916			April 3-----	4.55	727
January 4-----	4.40	681	1920		
August 30-----	3.78	455	January 22-----	3.83	477
August 30-----	3.71	442	January 25-----	7.54	1,910
October 6-----	3.01	263	March 30-----	6.38	1,380
December 11-----	3.69	414	April 12-----	5.73	1,160
1917			April 18-----	5.28	994
February 13-----	4.00	522			

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Nottely River at Ranger, N. C.,

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914												
1					406	287	457	357	182	106	115	162
2					310	265	431	310	182	89	115	162
3					265	265	381	310	182	89	115	143
4					244	254	357	310	182	106	182	124
5					234	254	333	565	202	124	162	124
6					287	265	310	431	202	124	143	106
7					621	287	265	357	223	124	124	106
8					406	265	333	333	202	106	106	106
9					333	265	431	310	182	381	79	89
10					287	254	357	287	182	357	202	89
11					333	244	333	287	172	483	431	89
12					265	800	333	287	162	406	381	106
13					265	510	287	244	223	333	265	106
14					406	381	1,200	244	202	406	244	89
15					310	333	1,510	244	143	333	202	89
16					287	287	1,330	244	143	183	162	89
17					265	265	920	244	202	431	162	143
18					265	287	537	244	182	357	172	143
19					265	265	483	234	182	265	143	124
20					357	333	1,910	234	172	202	143	124
21					333	381	800	223	162	182	143	124
22				192	287	333	593	212	143	162	143	124
23				192	357	310	510	212	143	143	152	162
24				192	287	265	457	202	124	152	124	162
25				254	287	265	406	202	124	134	124	143
26				223	287	265	381	192	124	124	124	124
27				223	287	310	357	192	124	124	143	106
28				202	265	310	310	192	124	106	143	106
29				202	287	310	287	182	106	106	124	89
30				202	310	310	431	182	106	124	182	89
31				182	265	265	182	182	124	124	162	124
1914-1915												
1	89	143	1,230	524	1,980	653	437	310	437	410	223	192
2	89	143	524	524	1,380	587	437	310	359	384	202	182
3	89	143	1,080	524	1,310	555	437	287	310	359	182	182
4	89	143	4,180	524	862	524	437	287	265	265	202	162
5	143	143	2,300	494	862	862	410	265	265	653	182	265
6	143	143	1,230	494	862	524	410	265	265	524	182	223
7	124	143	862	1,230	862	790	384	265	359	359	192	182
8	124	143	971	862	721	721	384	1,230	465	310	162	192
9	106	143	524	524	653	620	359	790	359	310	162	182
10	89	143	465	524	587	587	359	687	265	465	162	172
11	143	162	437	494	587	555	359	587	265	524	202	162
12	124	162	384	494	587	524	359	587	265	359	182	162
13	124	162	494	465	524	524	359	653	359	265	182	182
14	106	162	494	465	524	524	334	587	359	265	202	265
15	2,980	524	465	437	265	524	334	524	524	265	182	202
16	1,620	265	437	410	862	524	334	410	465	265	182	182
17	359	265	410	310	721	524	334	359	265	244	182	182
18	310	265	384	265	587	494	334	359	687	223	182	162
19	287	244	384	1,620	587	494	334	334	310	223	192	162
20	265	223	384	1,230	587	494	334	310	265	223	162	223
21	244	202	384	862	524	494	334	310	265	223	202	244
22	202	182	359	826	524	465	334	310	244	212	192	202
23	182	162	359	755	524	465	334	287	244	202	182	172
24	182	162	437	1,540	1,120	465	334	287	223	202	202	182
25	162	152	2,980	1,380	862	465	334	287	223	202	182	182
26	162	143	1,620	862	721	437	334	287	223	202	182	162
27	143	143	1,080	826	653	437	334	465	223	192	202	162
28	143	143	898	790	653	410	334	359	265	182	182	182
29	143	162	587	653	-----	410	310	310	310	182	182	223
30	143	3,780	524	524	-----	524	310	310	310	182	182	1,540
31	143	-----	524	524	-----	465	-----	465	-----	182	182	-----

NOTE.—Discharge determined from a rating curve fairly well defined between 124 and 800 second-feet, but only an extension above 800 second-feet.

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Nottely River at Ranger, N. C.,
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-1916												
1	1,540	310	265	1,230	2,420	721	465	359	410	350	653	465
2	862	265	265	1,230	3,780	862	437	334	410	524	862	410
3	265	265	265	790	1,940	790	410	334	410	465	755	410
4	265	265	265	687	1,230	755	721	334	359	359	721	410
5	2,420	265	244	687	1,040	721	524	334	359	334	687	384
6	1,230	244	244	587	862	721	524	334	359	334	620	384
7	1,160	234	234	687	790	653	494	334	359	334	587	359
8	524	223	234	620	790	653	465	334	369	1,230	790	359
9	410	223	223	524	755	620	465	334	359	3,380	653	410
10	265	212	223	524	721	587	437	310	359	6,580	862	384
11	244	212	234	524	687	555	437	310	653	4,980	721	359
12	234	202	494	524	653	524	437	310	826	2,980	587	359
13	223	202	384	1,230	620	494	410	287	721	2,020	524	334
14	182	524	265	862	587	653	410	384	721	2,420	1,120	334
15	524	437	265	653	555	524	410	310	1,620	1,940	653	334
16	359	384	244	687	524	494	410	287	1,230	1,160	653	310
17	265	359	234	620	524	465	410	287	862	1,010	587	310
18	265	334	4,580	587	524	437	410	265	653	1,230	587	287
19	265	265	1,740	524	494	437	410	265	524	1,010	555	287
20	1,980	359	1,230	524	494	437	384	265	524	1,230	524	265
21	524	334	1,160	494	465	437	384	265	494	1,080	494	265
22	465	310	1,230	687	465	437	359	265	1,080	1,230	465	265
23	465	310	524	1,190	437	437	359	1,080	524	1,080	465	265
24	410	287	465	1,010	410	410	334	862	437	971	437	265
25	384	287	437	862	384	410	334	1,500	384	988	410	265
26	359	265	359	790	359	410	384	1,230	1,080	862	410	265
27	359	265	334	687	310	653	359	790	524	862	359	244
28	384	265	265	620	310	587	359	524	410	826	359	244
29	384	265	4,580	587	587	524	359	465	721	790	359	1,620
30	359	265	2,420	555	555	465	359	410	465	721	524	465
31	334	2,300	524	524	465	465	410	410	687	359	359	-----
1916-1917												
1	359	524	653	555	1,620	5,780	1,230	-----	-----	-----	-----	-----
2	310	790	524	587	1,380	1,620	1,230	-----	-----	-----	-----	-----
3	287	653	465	1,230	862	2,420	1,190	-----	-----	-----	-----	-----
4	265	653	359	1,160	790	4,980	1,120	-----	-----	-----	-----	-----
5	265	587	359	862	755	4,580	2,020	-----	-----	-----	-----	-----
6	265	524	359	790	721	2,020	1,740	-----	-----	-----	-----	-----
7	265	465	359	721	637	1,620	1,420	-----	-----	-----	-----	-----
8	265	359	334	653	653	1,580	1,380	-----	-----	-----	-----	-----
9	265	310	524	653	620	1,340	1,310	-----	-----	-----	-----	-----
10	265	310	494	620	587	1,160	1,270	-----	-----	-----	-----	-----
11	265	310	465	587	555	1,120	1,230	-----	-----	-----	-----	-----
12	265	310	410	555	555	1,080	1,160	-----	-----	-----	-----	-----
13	265	359	359	524	524	1,160	1,040	-----	-----	-----	-----	-----
14	265	524	359	1,160	524	1,160	1,040	-----	-----	-----	-----	-----
15	265	465	359	1,010	524	1,190	1,010	-----	-----	-----	-----	-----
16	265	359	334	934	524	524	1,010	-----	-----	-----	-----	-----
17	265	310	334	862	524	1,460	971	-----	-----	-----	-----	-----
18	265	310	334	790	1,540	1,230	934	-----	-----	-----	-----	-----
19	1,190	265	465	653	1,620	1,120	898	-----	-----	-----	-----	-----
20	524	265	410	524	4,580	934	862	-----	-----	-----	-----	-----
21	410	265	410	465	2,420	1,940	826	-----	-----	-----	-----	-----
22	310	265	384	1,380	1,230	1,580	826	-----	-----	-----	-----	-----
23	265	862	384	1,160	862	1,980	790	-----	-----	-----	-----	-----
24	265	753	359	1,080	1,620	4,180	790	-----	-----	-----	-----	-----
25	265	524	334	1,010	1,190	2,620	755	-----	-----	-----	-----	-----
26	265	410	334	934	1,080	1,980	971	-----	-----	-----	-----	-----
27	265	359	334	862	1,010	3,380	790	-----	-----	-----	-----	-----
28	265	359	1,620	790	931	2,300	755	-----	-----	-----	-----	-----
29	265	862	826	653	-----	1,620	755	-----	-----	-----	-----	-----
30	265	790	755	587	-----	1,460	1,190	-----	-----	-----	-----	-----
31	265	620	524	524	-----	1,310	-----	-----	-----	-----	-----	-----

NOTE.—Gage heights, February 20, March 1, 4, 5, 24 and 27, estimated by observer; discharge may be considerably in error.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second feet, of Notteley River near Ranger, N. C.—Continued

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1918-1919												
1		1,180	508	846	744	954	778	778	418	448	338	338
2		880	478	2,350	744	812	744	642	418	418	418	288
3		642	418	1,700	608	710	744	574	418	390	364	264
4		574	364	1,330	642	744	778	574	418	364	338	252
5		744	364	1,100	812	1,920	710	540	390	338	313	217
6		478	364	954	710	2,150	679	574	390	2,250	300	228
7		448	364	880	642	1,250	679	676	364	1,250	338	228
8		418	313	846	642	1,410	642	2,150	338	880	300	228
9		418	313	778	574	2,550	642	1,030	418	608	288	228
10		390	313	710	642	1,490	608	676	448	574	288	240
11		390	364	676	574	1,030	1,210	778	418	508	313	217
12		390	364	642	540	1,060	954	710	364	448	364	478
13		364	313	608	812	991	812	710	364	418	338	252
14		364	608	608	1,250	954	744	710	338	418	364	217
15		276	1,330	574	954	880	710	642	338	418	364	217
16		300	2,900	574	880	991	1,450	608	418	518	252	217
17		540	1,330	642	744	954	1,060	574	364	364	288	195
18		676	880	744	608	1,110	880	540	390	448	288	184
19		508	744	710	642	954	812	540	390	1,210	240	184
20	217	418	676	676	642	880	744	574	338	744	228	184
21	252	390	991	608	991	812	710	574	313	608	240	228
22	218	338	6,300	574	2,100	642	710	642	478	676	338	217
23	184	390	3,900	991	1,530	744	608	608	448	608	338	206
24	276	390	1,570	1,250	1,140	710	642	508	710	448	338	195
25	1,290	390	1,250	954	1,140	676	608	508	710	418	364	184
26	991	364	1,060	2,250	1,030	642	608	540	1,030	574	288	184
27	1,100	313	954	1,370	1,030	1,030	608	540	991	540	252	184
28	991	1,250	880	1,110	880	1,250	574	508	642	390	240	174
29	2,700	1,060	744	917	---	991	574	508	812	364	418	174
30	5,100	574	676	846	---	880	608	448	540	338	880	174
31	2,100	---	608	778	---	812	---	448	---	313	418	---

Daily gage height, in feet, of Nottely River near Ranger, N. C.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1919-1920												
1	2.6	3.05	3.4	3.3	4.4	4.1	6.8	4.8	4.1	3.5	3.3	4.4
2	2.6	3.5	3.2	3.2	4.2	4.1	16.0	4.7	4.2	3.6	3.3	4.1
3	2.9	3.1	3.05	3.2	5.4	4.0	9.1	4.8	4.3	3.8	3.2	3.9
4	3.2	3.1	2.95	3.2	10.3	4.1	13.5	4.6	4.6	4.0	3.2	4.0
5	2.85	3.05	2.9	3.2	6.8	6.2	8.4	4.5	4.7	3.6	3.1	3.8
6	2.8	3.0	3.1	3.2	5.8	4.2	7.4	5.4	4.7	3.6	3.2	4.4
7	2.85	2.95	3.4	3.3	5.4	4.0	6.5	5.0	4.3	3.6	3.2	4.0
8	2.85	2.85	4.5	3.5	4.9	4.4	6.4	5.6	4.0	3.4	3.9	4.0
9	2.9	2.85	11.7	3.6	4.7	4.3	6.6	4.8	3.9	3.4	4.9	6.2
10	2.95	2.8	11.0	3.7	4.6	4.3	6.4	4.7	3.8	3.4	8.0	6.8
11	2.9	2.75	6.0	3.6	4.6	4.4	6.0	4.6	3.8	3.6	7.6	4.6
12	2.85	3.6	5.0	3.4	4.5	5.8	5.2	4.5	3.8	3.6	6.5	4.2
13	3.3	3.8	4.4	3.3	4.8	6.9	5.7	5.6	3.6	3.4	8.4	6.2
14	3.05	3.4	4.6	3.3	4.4	5.6	6.0	5.0	3.6	3.8	8.0	4.4
15	2.85	3.3	4.3	3.4	4.2	5.2	5.4	4.8	3.7	3.6	9.4	4.2
16	2.85	3.2	4.0	3.8	4.2	4.8	5.2	4.6	3.7	4.8	8.0	4.0
17	2.95	3.1	3.9	5.4	4.1	5.6	5.3	4.4	3.8	4.1	8.2	3.8
18	2.8	3.05	3.8	4.1	4.1	5.2	5.3	4.5	3.9	6.5	6.8	3.8
19	2.95	3.05	3.9	3.8	4.0	6.2	5.1	4.8	3.8	6.9	7.0	3.8
20	2.85	3.01	3.8	3.7	4.0	6.5	5.0	4.6	5.0	5.6	7.1	3.8
21	2.85	2.95	3.6	3.6	3.8	5.6	7.2	4.4	4.4	4.9	6.2	3.7
22	3.4	2.95	3.5	3.6	6.6	5.3	5.7	4.4	5.4	4.8	6.5	3.6
23	6.1	2.8	3.4	3.8	5.2	5.0	5.4	4.3	4.7	3.9	5.4	3.6
24	5.0	2.75	3.3	9.5	4.7	4.8	5.2	4.4	4.4	3.8	5.2	3.6
25	3.6	2.75	3.2	7.3	4.5	4.7	4.3	4.4	4.0	3.7	4.8	3.5
26	3.3	2.7	3.2	8.7	4.4	6.6	5.6	5.2	3.9	3.6	4.7	3.6
27	3.1	2.7	3.4	7.4	4.3	5.7	6.1	4.6	3.8	3.3	4.6	3.3
28	3.1	2.65	3.3	7.0	4.2	9.0	5.3	4.5	3.7	3.4	4.9	3.5
29	3.1	2.65	3.3	6.4	4.3	9.0	5.1	4.4	4.0	3.2	4.6	3.5
30	3.0	2.4	3.3	5.6	---	6.9	4.9	4.4	3.6	3.3	4.2	3.6
31	3.0	---	3.3	4.6	---	5.8	---	4.3	---	3.3	4.0	---

WATER POWERS OF GEORGIA

Monthly discharge of Nottely River at Ronger, N. C.

[Drainage area, 272 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1914						
January 22-31.....	254	182	206	0.757	0.28	B.
February.....	406	234	314	1.15	1.20	B.
March.....	800	244	313	1.15	1.33	B.
April.....	1,910	265	570	2.10	2.34	B.
May.....	565	182	266	.978	1.13	B.
June.....	223	106	166	.610	.68	B.
July.....	483	89	219	.805	.93	B.
August.....	431	89	168	.618	.71	B.
September.....	162	89	118	.434	.48	C.
1914-1915						
October.....	2,980	89	298	1.10	1.27	B.
November.....	3,780	143	303	1.11	1.24	B.
December.....	4,180	359	884	3.25	3.75	B.
January.....	1,620	265	708	2.60	3.00	B.
February.....	1,980	265	768	2.82	2.94	B.
March.....	862	410	537	1.97	2.27	B.
April.....	437	310	359	1.32	1.47	B.
May.....	1,230	265	422	1.55	1.79	B.
June.....	687	223	321	1.18	1.32	B.
July.....	653	182	292	1.07	1.23	B.
August.....	223	162	186	.684	.79	A.
September.....	1,540	162	236	.868	.97	B.
The year.....	4,180	89	442	1.62	22.04	
1915-1916						
October.....	2,420	182	578	2.12	2.44	
November.....	524	202	288	1.06	1.18	
December.....	4,580	223	845	3.11	3.58	
January.....	1,230	494	720	2.65	3.06	
February.....	3,780	310	818	3.01	3.25	
March.....	862	410	559	2.06	2.38	
April.....	721	334	422	1.55	1.73	
May.....	1,500	265	455	1.67	1.92	
June.....	1,620	359	607	2.23	2.49	
July.....	6,580	334	1,420	5.22	6.02	
August.....	1,120	359	592	2.18	2.51	
September.....	1,620	244	377	1.39	1.55	
The year.....	6,580	182	641	2.36	32.11	
1916-1917						
October.....	1,190	265	315	1.16	1.34	
November.....	862	265	467	1.72	1.92	
December.....	1,620	334	472	1.74	2.01	
January.....	1,380	465	802	2.95	3.40	
February.....	4,580	524	1,090	4.01	4.18	
March.....	5,780	524	2,010	7.39	8.52	
April.....	2,020	755	1,080	3.97	4.43	
1918-1919						
October 20-31.....	5,100	184	1,280	4.71	2.10	
November.....	1,250	276	529	1.94	2.16	
December.....	6,300	313	1,040	3.82	4.40	
January.....	2,350	574	954	3.51	4.05	
February.....	2,100	540	866	3.18	3.31	
March.....	2,550	642	1,060	3.90	4.50	
April.....	1,450	574	754	2.77	3.09	
May.....	2,150	448	659	2.42	2.79	
June.....	1,030	313	481	1.77	1.98	
July.....	2,250	313	587	2.16	2.49	
August.....	880	228	337	1.24	1.43	
September.....	478	174	226	.831	.93	
The period.....	478	174	-----	-----	-----	

TOCCOA RIVER NEAR DIAL, GA.

Location.—About 2,600 feet above Shallow Ford, 1 mile above Rock Creek, 2½ miles below Big Creek, 3½ miles below Noontootley Creek, about 4 miles northwest of Dial, Fannin County, and about 12 miles by river above gaging station at Morganton.

Drainage Area.—175 square miles.

Records Available.—January 1, 1913, to September 30, 1918.

Gage.—Bristol water-gage recorder, also an auxiliary staff gage.

Discharge Measurements.—Made from cable about 1,000 feet upstream from gage.

Channel and Control.—Bed of stream consists of gravel and boulders; fairly smooth.

Left bank is overflowed at a stage of about 12 feet. Control is formed by the head of rapids just below gage; probably permanent.

Regulation.—There are slight diurnal fluctuations due to operation of small mills upstream.

Discharge measurements of Toccoa River near Dial, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1913			1915		
March 1	Feet. 3.45	Sec.-ft. 1,450	April 1	Feet. 1.80	Sec.-ft. 527
April 17	2.30	812	April 20	1.53	371
May 1	1.90	674	April 23	1.50	362
May 6	1.80	526	May 14	1.78	525
May 11	1.70	547	June 8	1.58	381
May 19	1.60	466	July 5	2.32	704
May 23	5.00	3,200	July 27	1.02	190
May 24	2.70	1,020	August 19	1.05	215
June 16	1.50	462	August 26	0.89	176
June 24	1.40	374	August 31	0.88	164
June 28	1.40	326	September 18	0.84	151
July 1	1.38	337	October 26	1.44	336
July 2	1.30	336	1916		
July 7	1.20	325	January 1	2.70	1,000
July 8	1.20	273	January 26	2.17	689
July 9	1.20	268	March 4	2.26	709
July 16	1.20	273	April 12	1.72	453
July 17	1.20	271	May 2	1.50	341
July 19	1.10	235	May 31	1.85	495
August 21	0.90	191	July 12	5.56	3,600
August 28	0.80	161	July 12	5.20	3,210
September 24	0.80	163	August 3	2.46	868
September 30	1.38	350	August 25	1.74	648
October 15	0.72	145	September 2	1.60	411
November 20	0.75	147	October 2	1.24	278
1914			November 1	1.35	317
August 20	0.80	169	December 6	1.27	282
1915			December 27	1.40	342
March 9	2.27	729	1917		
March 19	2.02	616	February 10	1.94	582
March 26	1.87	534			

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Toccoa River near Dial, Ga.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1907													
1						500	290	177	150	335	150	247	
2						385	290	177	150	335	385	247	
3						335	290	177	290	290	150	247	
4						335	210	177	210	247	150	247	
5						335	247	177	210	247	150	210	
6						335	247	177	210	247	150	177	
7						290	210	177	177	247	150	177	
8							247	177	150	247	150	177	
9						385	177	177	150	177	150		
10						335	210	150	150	150			
11						335	210	150	150	150	247	440	
12						290	210		150	150	247	440	
13						290	335	210	150	150	210		
14						290	247	210	150	150	210		
15						335	247		150	150	210	500	
16						290	247	177	150	150	177	440	
17					335	247	247	177	150	150	210	385	
18					335	247		290	150	150	210	385	
19					335	247	385	210	150	150	177	335	
20					290	247	385	177	150	150	177	335	
21					290	247	290	177	150	150	500	335	
22					290	247	290	210	290	150	440	500	
23					290	247	290	210		150			
24					290	290	177	247	385	150			
25					290	290	150	177	247	150	385	500	
26						290	210	177	247	150	385	440	
27					335	290	177	150	247	335	335	385	
28					335	290	177	150		210	335	385	
29					290	290	210	177	440	150	290	385	
30					290	290	247	177	335	150	247		
31							247	177		150			
1908													
1	500		500	440	500	290	16			385		385	290
2	440		500	440	500	290	17	500		385		385	268
3	440	440	500	440	550	290	18	500		385		440	335
4		440	500	440	500	335	19	500		335		412	290
5			500	500	550	335	20	500			550	385	290
6		500	500	500	440	335	21	500		550	500	385	290
7		440	440	440		290	22	500		550	500	335	290
8	500	335	440	440	500	290	23	500			500	290	290
9	440	440	385	440	440	290	24	440	500		500	290	247
10	440		385	412	440	290	25	440	500			335	247
11			385	385	440	290	26	500				335	228
12			500	385	440	290	27	500				335	228
13			385	385	412	290	28	500	500			335	210
14			385	385	412	335	29	440	500	500	550	290	210
15	550		385		412	335	30			500		335	210
							31	385		440		335	

NOTE.—Daily discharge 1907-8 based on a fairly well-defined rating curve. On missing days from May 17, 1907, to June 30, 1908, the discharge was greater than 550 second-feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Toccoa River near Dial, Ga.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913												
1				478	650	942	1,260	600	526	342	363	163
2				431	625	805	1,180	575	526	321	302	163
3				600	832	778	2,450	575	502	321	266	163
4				454	750	750	1,090	550	526	321	234	163
5				454	675	750	1,030	550	478	394	249	176
6				454	675	700	1,000	550	575	313	249	204
7				454	650	675	970	600	915	302	249	189
8				600	600	650	942	575	778	283	363	163
9				502	575	650	915	575	625	283	249	176
10				454	550	1,090	882	550	526	283	234	163
11				454	454	1,030	915	526	502	459	218	152
12				942	970	832	915	526	478	502	218	152
13				650	778	970	849	502	454	342	218	163
14				550	700	5,140	915	502	431	321	218	152
15				502	700	4,120	866	492	431	321	218	163
16				502	650	2,040	805	492	408	302	218	176
17				502	625	1,550	783	550	408	283	218	176
18				650	600	1,360	761	502	408	249	218	176
19				502	600	1,220	745	526	408	249	321	176
20				502	970	1,180	735	625	386	249	218	234
21				526	750	1,550	700	502	408	249	204	302
22				502	750	1,180	685	526	386	249	204	189
23				502	700	1,090	685	3,160	363	249	218	163
24				860	650	1,030	665	1,030	363	283	204	163
25				750	625	1,060	655	725	342	249	189	152
26				650	600	1,430	655	675	342	266	176	152
27				1,430	1,940	4,360	655	675	342	302	176	152
28				970	1,180	1,940	675	600	363	266	176	152
29				778		1,590	650	550	386	249	189	408
30				700		1,550	625	550	408	321	189	249
31				778		1,550		526		249	163	
1913-14												
1	204	163	431	283	302	302	478	408	249	140	140	176
2	176	163	249	249	283	234	431	431	234	140	152	176
3	163	163	204	266	283	218	386	431	234	140	176	152
4	152	163	189	249	266	234	342	454	234	189	204	130
5	152	163	176	218	249	266	342	526	249	176	163	140
6	152	163	234	218	550	283	342	454	321	152	152	140
7	152	163	363	218	408	302	408	408	283	140	130	140
8	249	204	234	234	266	234	526	408	283	140	140	140
9	152	189	176	249	266	218	363	363	266	176	321	140
10	152	163	176	234	302	266	342	363	218	176	454	119
11	152	152	163	176	283	408	386	386	204	204	342	130
12	152	152	163	163	283	478	386	386	204	176	204	152
13	152	152	176	163	342	342	431	363	189	163	189	130
14	140	152	176	163	342	321	1,250	342	189	189	234	119
15	140	163	176	189	283	302	860	321	189	234	234	119
16	140	176	176	189	266	302	675	321	189	321	204	119
17	140	176	176	176	266	298	575	302	189	321	189	119
18	152	163	163	163	363	306	575	302	218	302	176	130
19	302	152	163	189	600	298	778	283	189	218	176	189
20	218	152	189	189	526	294	805	283	204	180	163	163
21	176	152	163	176	363	321	650	283	189	176	163	140
22	163	152	163	152	363	302	600	283	189	163	176	140
23	163	152	266	152	431	283	575	283	176	163	152	130
24	408	152	218	204	342	302	575	283	176	163	152	119
25	454	152	321	204	302	302	550	266	163	163	176	119
26	408	152	266	176	302	363	526	249	163	163	163	140
27	386	152	218	163	283	408	502	249	163	163	152	130
28	431	152	218	163	302	431	478	249	163	234	204	130
29	342	152	363	176		449	478	249	152	204	176	130
30	321	266	302	266		478	431	283	140	152	163	140
31	302		321	550		478		266		152	140	

WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Toccoa River near Dial, Ga.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1914-15												
1	130	152	756	581	2,340	739	500	345	394	322	261	173
2	140	152	640	545	1,420	706	505	330	341	420	211	171
3	454	152	1,150	520	1,110	690	505	330	304	304	191	158
4	249	152	2,680	495	1,010	674	481	326	294	318	189	181
5	176	152	1,360	515	1,080	980	471	308	315	653	173	500
6	168	149	942	1,110	980	865	495	312	330	424	168	280
7	163	140	810	843	920	854	485	1,140	333	337	163	206
8	161	152	695	680	865	766	476	782	364	385	166	181
9	152	218	625	612	804	739	466	505	304	402	181	168
10	130	163	560	576	772	733	457	424	284	352	194	161
11	140	152	512	696	744	712	461	402	287	341	242	151
12	119	152	488	739	744	685	457	520	308	287	223	173
13	109	140	595	617	739	674	411	565	304	322	208	208
14	140	158	492	612	782	664	402	471	360	330	200	232
15	942	329	426	601	1,310	659	394	438	373	394	186	163
16	750	294	422	565	980	701	377	402	330	312	173	144
17	386	204	413	920	860	674	373	381	411	248	181	144
18	302	181	408	1,220	799	606	360	360	360	235	235	144
19	266	173	399	1,220	739	612	352	352	315	245	211	151
20	234	171	464	920	717	601	341	345	294	248	220	168
21	234	158	468	755	690	565	337	341	287	238	270	341
22	234	163	431	810	701	550	333	402	274	220	197	194
23	204	161	413	950	980	530	330	360	257	217	178	171
24	189	161	585	1,250	1,280	530	352	356	251	211	173	146
25	189	161	2,680	1,110	950	530	349	349	254	206	194	144
26	189	163	1,010	950	843	530	349	341	251	200	171	144
27	140	163	794	860	804	535	352	312	251	197	197	144
28	130	168	706	782	788	510	360	308	287	194	211	144
29	109	816	865	766	-----	500	360	312	284	191	178	144
30	109	1,760	701	760	-----	520	345	337	322	191	181	352
31	156	-----	617	810	-----	505	-----	385	-----	194	171	-----
1915-1916												
1	1,000	284	260	1,000	1,840	662	478	370	432	455	815	410
2	370	284	253	905	2,200	905	478	370	410	410	845	410
3	260	264	225	815	1,420	875	522	370	410	390	845	410
4	684	256	260	733	1,130	728	500	370	390	390	755	410
5	1,340	253	260	600	1,000	672	478	350	390	410	755	410
6	522	260	260	755	935	645	478	330	595	370	905	410
7	424	260	256	706	851	755	522	350	570	432	815	410
8	350	260	256	656	815	700	570	330	432	1,750	700	455
9	298	260	253	620	875	645	500	330	390	6,730	728	432
10	284	253	236	615	785	620	478	312	390	6,990	672	410
11	247	242	295	662	700	595	478	312	522	5,300	645	370
12	256	256	350	645	755	570	455	312	595	3,220	595	370
13	253	302	295	827	672	570	455	312	478	2,600	645	350
14	410	350	270	728	595	545	455	295	522	2,110	620	410
15	432	500	270	672	620	570	432	295	1,880	1,620	590	380
16	330	323	302	728	595	545	432	295	1,030	1,840	570	350
17	312	298	1,100	645	595	522	478	295	755	1,580	545	330
18	295	330	3,660	595	570	522	410	295	620	1,700	595	330
19	935	565	1,270	570	605	500	410	312	570	1,840	545	350
20	845	394	845	555	605	500	410	278	545	1,580	518	330
21	645	358	700	570	590	500	500	278	522	1,420	500	312
22	575	330	620	1,000	565	500	432	815	522	1,240	478	312
23	455	312	570	815	625	478	410	1,840	478	1,270	500	312
24	390	295	545	716	755	455	410	1,200	620	1,380	491	295
25	370	278	672	672	610	455	410	700	570	1,300	464	295
26	354	295	595	672	595	570	410	570	432	1,160	455	278
27	334	295	545	656	585	785	410	500	446	1,060	432	278
28	326	278	728	595	595	595	390	500	450	968	432	278
29	312	260	5,430	620	620	545	370	545	545	935	478	545
30	295	260	1,840	595	-----	500	390	595	455	905	500	312
31	264	-----	1,200	733	-----	500	-----	522	-----	845	432	-----

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Toccoa River near Dial, Ga.—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1916-1917												
1-----	295	312	312	522	1,580	1,100	1,420	785	570	350	312	785
2-----	295	278	295	478	1,060	1,130	1,500	728	522	330	278	410
3-----	278	260	295	570	875	1,980	1,380	700	500	330	312	370
4-----	260	260	278	570	815	4,700	1,460	1,160	478	330	295	278
5-----	260	260	312	755	755	3,880	2,450	845	455	330	278	278
6-----	260	242	278	700	728	2,020	1,840	755	478	370	278	260
7-----	260	242	278	620	672	1,580	1,500	755	455	330	330	242
8-----	260	242	278	570	700	1,580	1,540	728	755	330	545	225
9-----	260	242	455	522	672	1,380	1,500	700	968	312	455	242
10-----	260	242	370	500	595	1,270	1,380	672	700	312	350	242
11-----	260	225	350	478	595	1,200	1,300	672	570	295	295	225
12-----	242	260	350	432	570	1,160	1,270	645	500	295	278	225
13-----	242	278	312	455	570	1,130	1,300	620	478	295	278	210
14-----	225	330	295	815	570	1,100	1,100	620	645	295	260	210
15-----	225	295	312	755	700	1,030	1,060	595	522	312	350	210
16-----	225	260	278	1,000	595	1,000	1,030	595	478	330	370	278
17-----	225	242	278	815	570	1,420	1,000	570	455	432	370	210
18-----	295	225	370	785	845	1,160	968	570	432	432	278	210
19-----	432	225	330	700	1,750	1,030	935	545	432	370	260	195
20-----	330	225	312	645	2,200	968	935	545	455	370	260	195
21-----	295	225	350	672	1,380	1,580	905	522	478	522	242	210
22-----	260	225	478	1,030	1,100	1,300	875	570	455	500	242	410
23-----	242	500	390	845	1,100	1,500	845	545	370	390	260	295
24-----	242	432	350	755	1,240	4,460	845	522	370	330	242	225
25-----	242	312	350	700	1,100	2,400	845	500	350	312	225	210
26-----	225	295	330	645	1,000	2,110	905	785	370	410	210	210
27-----	225	278	370	595	905	2,900	815	522	390	350	210	545
28-----	225	312	1,380	595	905	2,060	785	595	410	312	210	1,200
29-----	242	410	875	875	-----	1,840	785	522	390	330	210	478
30-----	700	370	570	700	-----	1,620	755	500	350	295	225	370
31-----	390	-----	522	645	-----	1,500	-----	620	-----	312	455	-----
1917-1918												
1-----	312	312	225	210	785	428	334	656	374	382	330	148
2-----	278	295	225	210	755	424	323	610	310	330	455	140
3-----	278	295	225	210	700	419	330	585	402	312	330	192
4-----	278	278	278	195	595	410	354	560	442	302	312	171
5-----	278	278	242	195	545	406	323	545	406	295	298	210
6-----	260	260	225	312	545	406	316	536	455	284	267	180
7-----	242	260	210	260	570	432	845	522	424	284	260	195
8-----	242	260	242	225	522	390	1,030	700	394	295	242	210
9-----	260	260	195	225	478	419	785	536	390	281	232	201
10-----	260	242	278	225	455	446	620	522	362	267	338	162
11-----	242	260	195	1,200	432	390	565	496	342	260	312	162
12-----	242	260	225	595	455	378	514	482	370	253	288	165
13-----	225	260	278	410	432	394	464	755	370	242	213	165
14-----	225	260	260	432	432	386	455	620	330	239	213	152
15-----	225	260	295	815	432	370	437	550	320	232	242	142
16-----	225	242	260	478	700	354	645	527	306	225	320	140
17-----	210	242	210	410	672	362	595	504	428	242	302	148
18-----	242	242	210	370	595	358	672	504	509	610	260	250
19-----	785	225	210	330	700	350	565	532	398	575	195	267
20-----	500	260	210	330	672	398	532	509	362	342	195	354
21-----	390	242	210	312	620	386	545	565	460	330	180	216
22-----	350	242	225	350	570	358	500	610	374	330	165	180
23-----	330	242	210	312	522	362	478	555	330	309	165	165
24-----	312	225	210	295	522	378	460	500	302	330	180	155
25-----	312	225	210	312	500	354	585	491	700	414	162	152
26-----	312	225	225	350	500	338	1,030	468	545	398	160	160
27-----	295	225	242	545	455	334	700	432	402	386	171	168
28-----	295	225	210	1,880	455	330	662	410	350	386	165	165
29-----	330	278	210	1,270	-----	330	635	410	437	350	171	183
30-----	595	242	165	1,500	-----	330	728	402	442	390	162	168
31-----	390	-----	210	1,100	-----	330	-----	382	-----	370	165	-----

Monthly discharge of Toccoa River near Dial, Ga.

[Drainage area, 175 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1913						
January.....	1,430	431	616	3.52	4.06	B.
February.....	1,940	454	744	4.25	4.43	B.
March.....	5,140	650	1,470	8.40	9.68	B.
April.....	2,450	625	889	5.08	5.67	B.
May.....	3,160	492	660	3.77	4.35	B.
June.....	915	342	466	2.66	2.97	B.
July.....	502	249	302	1.73	1.99	B.
August.....	363	163	230	1.31	1.51	B.
September.....	408	152	184	1.05	1.17	B.
1913-14						
October.....	454	140	221	1.26	1.45	B.
November.....	266	152	166	.949	1.06	B.
December.....	431	163	224	1.28	1.48	B.
January.....	550	152	212	1.21	1.40	B.
February.....	600	249	336	1.92	2.00	B.
March.....	478	218	323	1.85	2.13	B.
April.....	1,260	342	535	3.06	3.41	B.
May.....	526	249	338	1.93	2.22	B.
June.....	321	140	207	1.18	1.32	B.
July.....	321	140	187	1.07	1.23	B.
August.....	454	130	102	1.10	1.27	B.
September.....	189	119	138	.789	.88	B.
The year.....	1,260	119	256	1.46	19.85	
1914-15						
October.....	942	109	232	1.33	1.53	B.
November.....	1,760	140	247	1.41	1.57	C.
December.....	2,680	399	778	4.45	5.13	C.
January.....	1,250	495	787	4.50	5.19	B.
February.....	2,340	690	955	5.46	5.46	B.
March.....	980	500	650	3.71	4.28	A.
April.....	505	330	408	2.33	2.60	A.
May.....	1,140	308	414	2.37	2.73	B.
June.....	411	251	311	1.78	1.99	A.
July.....	653	191	295	1.69	1.95	B.
August.....	270	163	197	1.13	1.30	A.
September.....	500	144	193	1.10	1.23	A.
The year.....	2,680	109	453	2.59	35.19	
1915-1916						
October.....	1,340	253	458	2.62	3.02	
November.....	565	242	305	1.74	1.94	
December.....	5,430	225	794	4.54	5.23	
January.....	1,000	555	699	3.99	4.60	
February.....	2,200	565	817	4.67	5.04	
March.....	905	455	598	3.42	3.94	
April.....	570	370	452	2.58	2.88	
May.....	1,840	278	469	2.68	3.09	
June.....	1,880	390	567	3.24	3.62	
July.....	6,990	370	1,750	10.00	11.53	
August.....	905	432	609	3.48	4.01	
September.....	545	278	365	2.09	2.33	
The year.....	6,990	225	659	3.77	51.23	
1916-1917						
October.....	700	225	280	1.60	1.84	
November.....	500	225	283	1.62	1.81	
December.....	1,380	278	397	2.27	2.62	
January.....	1,030	432	669	3.82	4.40	
February.....	2,200	570	934	5.34	5.56	
March.....	4,700	968	1,780	10.20	11.76	
April.....	2,450	755	1,170	6.69	7.46	
May.....	1,160	500	645	3.69	4.25	
June.....	968	350	493	2.82	3.15	
July.....	522	295	349	1.99	2.29	
August.....	545	210	296	1.69	1.95	
September.....	1,200	195	322	1.84	2.05	
The year.....	4,700	195	633	3.62	49.14	

Monthly discharge of Toccoa River near Dial, Ga.—Continued.
[Drainage area, 175 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per square mile.	
1918-1919					
October.....	785	210	314	1.79	2.06
November.....	312	225	254	1.45	1.62
December.....	295	165	227	1.30	1.50
January.....	1,880	195	512	2.93	3.38
February.....	785	432	558	3.19	3.32
March.....	446	330	379	2.17	2.50
April.....	1,030	316	568	3.25	3.63
May.....	755	382	531	3.03	3.49
June.....	700	302	403	2.30	2.57
July.....	610	225	330	1.89	2.18
August.....	455	160	240	1.37	1.58
September.....	354	140	182	1.04	1.16
The year.....	1,880	140	374	2.14	28.99

TOCCOA RIVER NEAR MORGANTON, GA.

Location.—At Morganton highway bridge on road from Blue Ridge Ga., to Morganton, half a mile downstream from mouth of Star Creek, 2 miles west of Morganton Post Office, 4 miles east of Blue Ridge, 7 miles downstream from Dial gaging station, 14 miles upstream from Georgia-Tennessee State line at Copperhill, Tenn.

Drainage Area.—231 square miles.

Records Available.—November 25, 1898, to March 31, 1903, and April 1, 1913, to September 30, 1918.

Gage.—Bristol automatic water-stage recorder on right bank 200 feet downstream from bridge and 150 feet downstream from the old vertical staff which was used from 1898 to 1903. A rod gage has been placed at sight of automatic gage. Observes visits gage every day and checks record sheet with rod reading.

Discharge Measurements.—Made from cable about 1,800 feet downstream from gage.

Channel and Control.—Bed composed of gravel and boulders. Banks high; left subject overflow at about gage height 15 feet; right bank not subject to overflow. Low-water control by a low shoal or riffle just below gage; high-water control by combination of shoals and banks. Control subject to small shifts at low stages.

Regulation.—Slight diurnal fluctuations probably caused by operation of small mills upstream.

WATER POWERS OF GEORGIA

Discharge measurements of Toccoa River near Morganton, Ga.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1913			1915		
	Feet.	Sec.-ft.		Feet.	Sec.-ft.
April 2	4.26	1,500	March 24	3.27	644
April 18	3.61	938	April 2	3.16	574
May 2	3.25	860	April 19	2.94	461
May 7	3.21	788	April 24	2.90	452
May 13	3.10	680	May 13	3.48	786
May 26	3.40	898	May 22	2.82	397
May 30	3.10	677	June 7	2.84	390
June 17	2.90	645	July 2	3.08	433
June 27	2.70	475	July 23	2.52	261
July 3	2.60	427	July 23	2.52	262
July 8	2.50	369	August 18	2.61	296
July 19	2.40	312	August 25	2.48	248
August 26	2.15	206	August 30	2.42	227
August 30	2.25	244	September 6	2.76	375
October 14	2.05	176	December 31	4.28	1,440
August 30	2.25	244	September 6	2.76	375
September 12	2.05	175	September 17	2.33	022
September 26	2.10	195	December 10	2.58	28
October 1	2.35	274	December 30	4.97	940
October 14	2.05	176	December 31	4.28	1,440
October 22	2.17	205	1916		
November 5	2.12	189	January 3	3.75	989
November 10	2.22	219	January 25	3.53	779
November 12	2.15	206	February 1	5.60	2,450
December 17	2.15	205	February 2	6.30	3,230
December 30	2.65	365	February 2	5.92	2,750
1914			March 2	4.05	1,170
February 20	2.95	531	May 4	2.95	473
April 14	5.40	2,380	June 1	3.06	540
April 15	4.25	1,420	July 5	3.08	527
July 1	2.00	167	July 6	2.91	447
July 3	2.02	174	July 13	5.60	2,750
July 9	2.10	211	July 29	3.87	1,060
July 17	2.60	396	August 1	3.70	928
July 18	2.80	472	August 4	3.60	892
August 21	2.09	205	August 26	3.06	523
1915			August 31	3.00	484
January 20	4.00	1,180	September 30	2.75	374
January 22	3.60	897	November 3	2.65	339
January 25	4.48	1,470	December 4	2.68	347
March 13	3.46	759	December 28	4.70	1,720
March 18	3.37	700	1917		
March 18	3.37	698	February 6	3.44	766

Daily discharge, in second-feet, of Toccoa River near Morganton, Ga.

Day	Apr.	May	June	July	Aug.	Sept.	Day	Apr.	May	June	July	Aug.	Sept.
1913							1913						
1	1,600	876	745	508	480	206	16	1,140	682	564	400	301	221
2	1,560	810	1,010	480	508	206	17	1,080	876	564	374	280	221
3	1,560	810	1,010	426	400	191	18	1,110	682	564	349	258	221
4	1,460	810	876	426	349	191	19	1,010	682	564	325	426	221
5	1,420	810	810	426	301	240	20	976	843	564	325	349	349
6	1,350	810	810	453	325	221	21	942	682	622	325	280	622
7	1,320	843	942	400	325	221	22	942	745	593	301	258	280
8	1,280	876	1,420	374	480	240	23	909	4,210	564	301	258	221
9	1,240	876	876	349	426	240	24	876	2,210	536	301	240	206
10	1,210	876	778	349	325	206	25	876	1,280	508	349	221	191
11	1,210	843	714	564	301	191	26	876	942	453	349	206	191
12	1,210	810	682	714	301	191	27	876	942	453	374	206	191
13	1,180	745	682	536	258	206	28	876	876	508	400	191	191
14	1,140	745	682	480	325	206	29	876	876	508	349	191	426
15	1,140	714	622	426	374	206	30	876	778	622	508	240	652
							31		745		453	206	

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Toccoa River near Morganton, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1913-14												
1	280	240	508	374	400	400	622	508	280	167	179	157
2	280	240	349	330	349	349	564	508	258	179	179	206
3	258	240	258	349	301	349	508	508	258	179	206	191
4	221	240	240	301	280	349	453	508	258	206	240	147
5	206	240	221	280	280	374	426	593	280	240	206	147
6	191	240	258	258	652	349	400	508	400	179	179	138
7	191	240	426	258	564	374	400	480	349	167	167	143
8	191	325	374	258	453	349	682	508	349	167	167	138
9	191	301	221	280	400	301	538	480	301	221	374	138
10	191	258	221	280	426	301	480	453	258	221	536	129
11	191	240	221	258	426	480	453	453	240	191	480	138
12	191	206	221	240	374	652	480	426	221	206	301	157
13	191	206	221	240	453	480	453	400	240	179	258	147
14	191	206	221	221	453	426	1,860	374	221	191	301	129
15	179	206	221	240	400	426	1,380	374	221	258	325	129
16	179	206	221	240	374	400	1,010	349	221	426	240	129
17	179	221	221	221	349	400	843	349	240	453	221	129
18	191	206	221	221	349	400	652	349	301	374	191	138
19	426	191	206	206	652	416	942	325	280	221	167	167
20	349	191	191	206	622	519	1,240	325	221	206	167	167
21	258	191	191	206	453	453	909	301	221	186	179	147
22	258	191	191	191	400	400	778	301	206	179	179	147
23	258	191	240	191	508	374	714	301	191	167	157	129
24	480	191	258	240	426	349	622	301	191	167	147	147
25	400	191	258	280	400	349	622	301	179	167	167	191
26	349	191	374	221	400	400	564	280	191	167	179	147
27	325	191	301	206	374	453	564	280	191	167	179	138
28	374	191	400	206	400	519	564	280	191	179	206	138
29	280	191	453	206	-----	536	593	280	179	325	206	129
30	258	221	400	258	-----	652	564	325	167	191	191	129
31	240	-----	400	652	-----	593	-----	301	-----	179	167	-----
1914-15												
1	129	167	982	483	2,730	930	588	404	517	414	238	218
2	138	167	739	472	2,030	856	582	383	419	478	261	223
3	426	167	1,290	434	1,700	827	582	373	388	373	223	235
4	400	167	2,990	414	1,520	812	540	369	373	398	220	229
5	191	157	1,780	388	1,400	1,330	534	354	378	885	210	576
6	147	159	1,160	784	1,410	1,080	529	359	393	540	199	378
7	143	167	955	1,330	1,210	1,050	517	1,520	409	369	196	268
8	143	179	804	848	1,060	960	517	982	429	404	215	245
9	143	258	720	722	960	878	512	663	373	414	226	232
10	167	206	658	663	915	848	506	570	373	588	226	223
11	157	179	599	670	870	820	523	512	369	512	258	223
12	147	179	564	915	841	791	558	644	378	378	254	223
13	157	179	682	750	805	757	483	764	398	359	254	283
14	942	179	622	689	856	743	478	600	472	414	238	310
15	2,250	297	519	683	1,650	736	478	529	472	350	226	232
16	536	416	536	644	1,260	777	467	483	419	369	220	223
17	349	254	525	1,200	1,040	729	472	456	414	331	229	223
18	258	209	480	1,520	960	696	461	429	461	315	290	223
19	240	194	486	1,450	885	689	456	424	373	323	265	223
20	221	186	542	1,090	841	703	445	419	378	331	279	229
21	191	179	599	975	812	670	445	414	373	327	306	345
22	191	200	536	834	798	657	440	404	369	315	248	272
23	191	194	508	892	1,030	632	434	461	369	302	223	226
24	191	186	695	1,450	1,690	619	414	424	373	261	212	201
25	191	177	2,890	1,540	1,240	625	409	419	369	258	232	196
26	191	181	1,360	1,240	1,040	619	409	404	331	254	218	196
27	167	189	1,150	1,050	952	606	398	383	331	238	220	196
28	167	179	771	982	930	600	393	378	388	229	261	196
29	167	547	955	863	-----	594	398	378	354	226	229	196
30	167	2,270	1,040	856	-----	613	388	424	419	223	229	440
31	172	-----	707	952	-----	613	-----	512	-----	218	218	-----

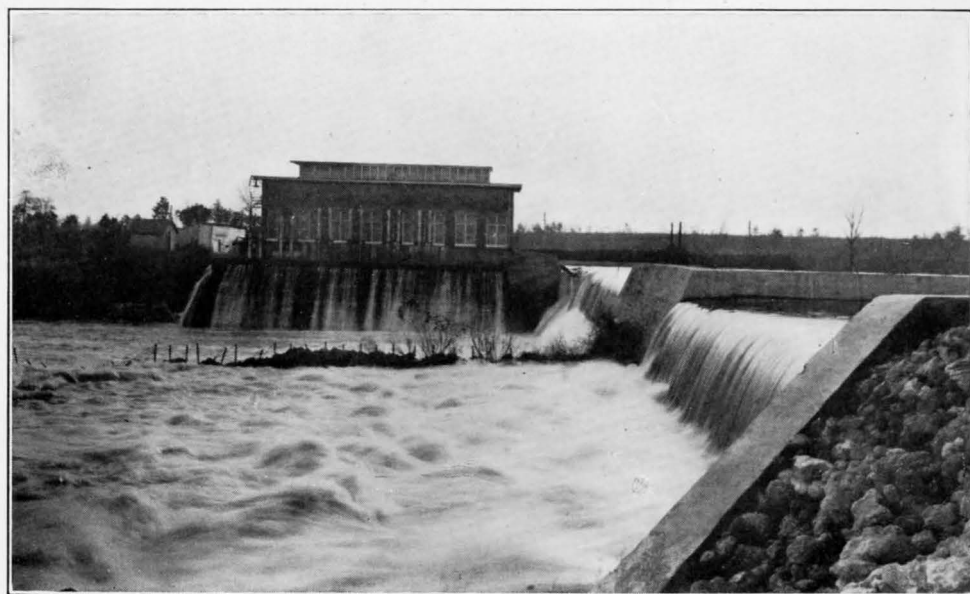
WATER POWERS OF GEORGIA

Daily discharge, in second-feet, of Toccoa River near Morganton, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1915-1916												
1	1,260	331	290	1,180	2,220	798	570	429	518	575	870	465
2	456	331	290	1,100	2,640	1,180	570	429	490	545	908	490
3	319	310	290	960	1,820	1,180	632	429	465	490	945	465
4	404	306	290	848	1,420	908	500	429	465	465	835	450
5	1,580	298	286	805	1,260	834	540	429	465	518	800	440
6	600	298	283	885	1,180	798	570	404	575	465	1,020	431
7	456	294	261	820	1,110	945	570	404	665	518	908	422
8	378	290	261	784	1,020	834	696	404	490	3,490	800	426
9	323	290	254	764	1,060	729	632	404	465	11,600	800	490
10	302	290	254	757	1,010	729	600	404	465	12,000	800	465
11	290	290	331	750	922	729	570	378	635	11,000	698	418
12	283	290	429	743	908	663	540	378	765	7,170	665	395
13	272	331	354	1,100	885	663	540	378	635	2,550	678	375
14	404	414	310	870	812	663	512	378	605	2,060	698	465
15	570	600	310	764	784	663	512	354	2,060	1,820	653	440
16	388	404	378	812	784	632	540	354	1,220	1,820	605	375
17	364	354	1,420	798	764	600	570	354	908	1,740	599	375
18	340	354	2,840	743	764	600	483	331	765	1,660	593	375
19	870	663	1,500	743	709	600	483	354	665	1,940	605	375
20	998	483	1,020	750	696	600	600	331	605	1,740	545	355
21	784	429	798	736	696	600	512	331	605	1,500	540	355
22	657	378	764	1,180	663	600	483	945	605	1,340	496	355
23	534	354	663	1,020	696	540	483	2,300	545	1,380	528	355
24	478	354	600	834	945	540	483	1,500	710	1,460	501	338
25	429	331	729	798	674	540	456	835	744	1,420	512	338
26	404	345	663	798	689	663	483	665	581	1,300	518	320
27	378	378	600	798	663	945	483	575	534	1,180	490	320
28	378	331	1,020	764	676	729	456	518	534	1,140	465	338
29	364	331	7,650	750	863	663	456	635	623	1,020	465	765
30	345	290	1,980	729	-----	600	456	730	605	982	636	355
31	331	-----	1,420	870	-----	600	-----	605	-----	945	490	-----
1916-1917												
1	338	395	395	575	1,980	1,500	1,700	982	729	429	456	1,220
2	338	355	375	545	1,260	1,380	1,660	834	663	404	404	632
3	320	320	355	605	982	2,380	1,580	834	632	404	483	483
4	320	320	355	665	945	9,410	1,580	1,340	632	404	378	404
5	320	320	375	870	835	2,950	1,740	982	600	404	331	354
6	320	320	355	870	835	2,220	2,140	870	600	456	331	331
7	320	302	320	698	765	1,940	1,820	870	632	404	378	331
8	320	302	355	635	800	1,940	1,900	870	908	404	663	354
9	338	302	575	575	765	1,700	1,780	798	1,340	378	632	331
10	320	338	440	545	665	1,580	1,660	798	1,020	354	483	331
11	320	302	395	518	665	1,500	1,580	764	729	354	483	310
12	302	320	395	465	665	1,500	1,540	764	663	331	378	290
13	302	375	355	490	635	1,420	1,540	729	663	331	354	290
14	302	440	338	1,100	605	1,380	1,300	729	945	354	331	290
15	285	375	355	870	835	1,300	1,260	696	663	404	331	331
16	320	320	320	1,260	698	1,220	1,220	696	570	404	404	456
17	302	320	338	1,020	665	1,780	1,180	663	600	456	456	354
18	320	302	395	908	1,020	1,460	1,140	663	600	540	354	290
19	800	302	395	870	1,820	1,340	1,140	663	600	512	331	290
20	418	302	355	730	2,740	1,260	1,100	663	600	483	331	290
21	338	302	395	800	1,540	1,980	1,100	663	600	982	310	290
22	320	302	490	605	1,420	1,660	1,060	663	600	729	310	456
23	320	665	440	782	1,420	1,860	1,020	696	570	600	331	429
24	302	575	418	870	1,660	6,530	982	632	570	483	310	310
25	302	395	395	800	1,380	2,740	982	632	570	456	290	290
26	302	355	375	730	1,180	2,460	1,060	870	570	540	290	290
27	302	338	375	665	1,860	3,200	945	663	570	512	290	456
28	302	395	1,580	665	1,820	2,380	908	729	600	483	290	1,500
29	302	545	1,020	1,020	-----	2,220	945	632	600	456	290	570
30	945	465	698	870	-----	2,740	945	632	456	429	331	429
31	518	-----	605	730	-----	1,740	-----	798	-----	404	834	-----



DAM, CHESTATEE PYRITES & CHEMICAL CORPORATION, CHESTATEE RIVER,
NEAR DAHLONEGA, GEORGIA.



DAM AND PLANT, ALBANY POWER COMPANY, MUCKAFOONEE CREEK, NEAR
ALBANY, GEORGIA

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Toccoa River near Morganton, Ga.
—Continued.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1917-1918												
1-----	331	310	272	254	982	570	434	827	529	461	369	272
2-----	290	290	272	272	908	540	424	743	512	383	494	254
3-----	290	290	254	254	870	529	404	716	529	354	378	306
4-----	310	290	310	254	674	512	434	683	594	354	354	298
5-----	310	290	290	254	696	494	393	670	540	340	336	327
6-----	254	272	272	378	663	483	393	657	594	331	323	306
7-----	238	272	272	354	696	546	1,050	696	576	345	323	290
8-----	238	254	272	272	600	489	1,340	1,120	512	340	319	290
9-----	238	254	254	272	570	494	975	764	500	323	302	323
10-----	223	254	238	254	540	558	736	696	494	310	364	268
11-----	210	254	196	1,300	540	483	663	683	483	298	440	254
12-----	196	254	290	908	540	483	600	663	517	290	298	261
13-----	254	254	310	512	540	483	558	1,040	517	290	290	261
14-----	272	254	272	834	540	483	540	885	456	286	290	248
15-----	272	254	272	945	540	456	529	764	434	286	290	245
16-----	254	254	290	600	1,060	440	729	716	429	272	350	238
17-----	238	254	272	483	945	440	736	696	650	283	419	235
18-----	238	254	290	429	764	440	777	683	750	709	388	354
19-----	238	238	272	404	764	429	689	709	512	856	354	350
20-----	512	254	272	378	908	540	683	736	500	451	290	478
21-----	354	254	254	378	798	483	689	805	594	383	276	323
22-----	310	254	254	429	729	440	600	856	517	383	268	261
23-----	290	254	272	378	663	434	588	805	445	331	265	254
24-----	272	254	254	378	663	478	552	696	429	378	310	248
25-----	272	254	254	378	663	451	696	670	975	424	283	245
26-----	254	254	254	429	632	429	1,260	650	827	472	268	272
27-----	254	254	254	663	600	419	870	600	523	429	290	283
28-----	272	254	272	2,220	570	419	812	576	456	512	290	279
29-----	290	290	254	1,500	-----	404	798	564	523	540	279	283
30-----	540	290	254	1,940	-----	398	922	552	570	540	272	261
31-----	331	-----	254	1,420	-----	419	-----	540	-----	456	286	-----

Monthly discharge of Toccoa River near Morganton, Ga.

[Drainage area, 231 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1913						
April-----	1,600	876	1,140	4.94	5.51	B.
May-----	4,210	682	978	4.23	4.88	B.
June-----	1,420	453	695	3.01	3.36	B.
July-----	714	301	409	1.77	2.04	B.
August-----	508	191	309	1.34	1.54	B.
September-----	652	191	252	1.09	1.22	B.
1913-14						
October-----	480	179	256	1.11	1.28	B.
November-----	325	191	219	.948	1.06	B.
December-----	508	191	281	1.22	1.41	B.
January-----	652	191	262	1.13	1.30	B.
February-----	652	280	426	1.84	1.92	B.
March-----	652	301	425	1.84	2.12	B.
April-----	1,860	400	696	3.01	3.36	B.
May-----	593	280	388	1.68	1.94	B.
June-----	400	167	243	1.05	1.17	B.
July-----	453	167	216	.985	1.08	B.
August-----	536	147	227	.983	1.13	B.
September-----	206	129	147	.636	.71	B.
The year-----	1,860	129	315	1.36	18.48	

WATER POWERS OF GEORGIA

Monthly discharge of Toccoa River near Morganton, Ga.—Continued.

[Drainage area, 231 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1914-15						
October	2,250	129	299	1.29	1.49	B. B. C. B. B. A. A. A. B. A. A.
November	2,270	157	279	1.21	1.35	
December	2,990	480	930	4.03	4.65	
January	1,540	388	896	3.88	4.47	
February	2,730	798	1,190	5.15	5.36	
March	1,330	594	770	3.33	3.84	
April	588	388	479	2.07	2.31	
May	1,520	354	511	2.21	2.55	
June	517	331	395	1.71	1.91	
July	885	218	368	1.59	1.83	
August	306	196	236	1.02	1.18	
September	576	196	256	1.11	1.25	
The year	2,990	129	548	2.37	32.18	
1915-1916						
October	1,580	272	514	2.23	2.57	
November	663	290	358	1.55	1.73	
December	7,650	254	921	3.99	4.60	
January	1,180	729	847	3.67	4.23	
February	2,640	663	1,010	4.37	4.71	
March	1,180	540	722	3.13	3.61	
April	696	456	536	2.32	2.59	
May	2,300	331	561	2.43	2.80	
June	2,060	465	667	2.89	3.22	
July	12,000	465	2,510	10.9	12.57	
August	1,020	465	667	2.89	3.33	
September	765	320	411	1.78	1.99	
The year	12,000	254	813	3.52	47.95	
1916-1917						
October	945	285	361	1.56	1.80	
November	665	302	366	1.58	1.76	
December	1,580	320	462	2.00	2.31	
January	1,260	465	753	3.26	3.76	
February	2,740	605	1,160	5.02	3.76	
March	9,410	1,220	2,280	9.87	11.38	
April	2,140	908	1,350	5.84	6.52	
May	1,340	632	768	3.32	3.83	
June	1,340	456	670	2.90	3.24	
July	982	331	461	2.00	2.31	
August	834	290	393	1.70	1.96	
September	1,500	290	433	1.87	2.09	
The Year	9,410	285	786	3.40	46.19	
1917-1918						
October	540	196	285	1.23	1.42	
November	310	238	264	1.14	1.27	
December	310	196	267	1.16	1.34	
January	2,220	254	636	2.75	3.17	
February	1,060	540	705	3.05	3.80	
March	570	398	473	2.05	2.36	
April	1,340	393	696	3.01	3.36	
May	1,120	540	725	3.14	3.62	
June	975	420	550	2.38	2.66	
July	856	272	400	1.73	1.99	
August	494	265	324	1.40	1.61	
September	478	235	286	1.24	1.38	
The year	2,220	196	466	2.02	27.36	

OCOEE RIVER AT COPPER HILL, TENN.

Location.—At highway bridge in town of Copper Hill, Tenn., half a mile above the mouth of Fightingtown Creek.

Drainage Area.—374 square miles.

Records Available.—March 21, 1903, to September 30, 1913.

Gage.—Chain gage attached to upstream side of bridge, installed August 2, 1911; read daily, morning and evening, to half-tenths.

Discharge Measurements.—Made from the downstream side of bridge.

Channel and Control.—Channel shifts slightly, but discharge relation is practically permanent.

Regulation.—As there are only a few small water-power plants operating above the station, diurnal fluctuation is noticeable only during extremely low stages.

Discharge measurements of Ocoee River at Copper Hill, Tenn.

Date	Gage height.	Dis-charge.	Date	Gage height.	Dis-charge.
1907			1911		
April 26.....	Feet. 1.70	Sec.-ft. 962	August 1.....	Feet. 0.87	Sec.-ft. 436
August 17.....	1.02	526	August 2.....	.82	429
October 10.....	.93	509	November 6.....	.67	334
1909			1912		
July 15.....	1.68	924	September 11.....	0.93	465
July 16.....	1.67	928	1913		
October 21.....	.84	458	February 27.....	7.54	7,960
1910			February 27.....	7.40	7,340
March 9.....	1.25	631	February 28.....	4.08	2,800
March 10.....	1.25	676	February 28.....	3.77	2,530
July 22.....	1.65	915			
July 23.....	1.60	909			
September 17.....	1.07	534			

Daily gage height, in feet, of Ocoee River at Copper Hill, Tenn.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1907												
1.....	2.95	3.2	2.05	1.8	1.5	3.0	1.2	1.0	0.7	1.2	0.78	1.15
2.....	2.5	2.65	4.2	1.5	1.45	2.05	1.2	1.0	.7	1.1	1.05	1.1
3.....	2.4	2.35	2.7	1.4	1.4	1.8	1.2	1.0	1.1	1.1	1.2	1.1
4.....	2.25	2.4	2.2	1.4	1.7	1.6	1.2	.9	1.15	1.1	.88	1.1
5.....	2.1	3.2	2.0	1.4	1.5	1.5	1.45	.9	.85	1.1	.82	1.1
6.....	2.1	2.65	1.9	2.25	1.4	1.45	1.25	1.0	.8	1.05	.85	1.0
7.....	2.0	2.2	1.9	1.6	1.6	1.4	1.1	.95	.75	.98	.85	1.0
8.....	1.9	2.1	2.0	1.6	1.7	2.1	1.0	.9	.8	1.1	.8	1.0
9.....	1.9	2.0	1.8	1.55	1.7	1.8	1.0	.85	1.4	1.0	.8	1.15
10.....	1.9	1.9	1.8	1.5	1.5	1.5	1.0	.88	1.1	.9	1.5	2.25
11.....	1.9	1.8	1.8	1.45	1.8	1.5	1.2	.8	1.45	.9	1.4	1.6
12.....	1.85	1.8	1.7	1.7	1.6	1.55	2.3	1.2	.85	.85	1.0	1.5
13.....	1.8	1.8	1.7	1.5	1.5	1.55	2.3	1.35	.75	.85	1.0	1.65
14.....	1.8	1.7	1.7	1.4	1.4	1.4	1.7	1.6	.7	.85	.9	2.3
15.....	1.8	1.7	1.85	1.4	1.95	1.3	1.3	1.15	.6	.85	.9	1.85
16.....	1.7	1.65	1.7	1.5	1.75	1.3	1.2	2.35	.7	.82	.82	1.7
17.....	1.7	1.6	1.6	1.5	1.6	1.2	1.2	1.0	.7	.8	.82	1.6
18.....	1.7	1.6	1.6	1.4	1.5	1.2	2.0	2.25	.7	.8	1.2	1.5
19.....	1.7	1.6	1.6	1.8	1.6	1.3	1.8	1.55	.7	.8	1.2	1.5
20.....	2.0	1.6	1.6	1.6	1.4	1.3	1.3	1.05	.65	.8	1.15	1.4
21.....	1.8	1.6	1.5	1.4	1.4	1.3	1.2	1.0	.65	.8	1.8	1.3
22.....	1.7	1.55	1.5	1.75	1.35	1.4	1.2	1.0	2.3	.8	1.6	1.3
23.....	1.7	1.5	1.5	2.3	1.3	1.4	1.1	1.0	4.8	.8	2.9	2.85
24.....	1.6	1.5	1.5	2.15	1.3	1.5	1.0	1.1	1.65	.8	2.9	1.2
25.....	1.6	1.75	1.45	1.9	1.35	2.35	1.0	1.1	1.2	.75	1.85	1.85
26.....	1.7	2.05	1.5	1.75	2.1	1.8	1.2	.9	1.0	.72	1.55	1.7
27.....	1.6	2.1	1.4	1.7	1.6	1.5	1.1	.8	1.3	1.1	1.45	1.6
28.....	1.55	1.9	1.4	1.6	1.4	1.3	1.0	.8	1.5	1.45	1.4	1.6
29.....	1.6		1.4	1.55	1.3	1.6	1.0	.9	2.4	1.8	1.25	2.65
30.....	1.55		1.4	1.5	2.0	1.3	1.5	.85	1.35	.8	1.2	3.4
31.....	1.65		1.5		2.15		1.1	.8		.8		3.2

WATER POWERS OF GEORGIA

Daily gage height, in feet, of Ocoee River at Copper Hill, Tenn.—Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1908	2.35	3.5	2.0	2.0	2.2	1.5	1.0	.9	.9	.65	.7	1.3
2	2.1	2.35	2.0	1.95	2.1	1.4	1.05	.9	.9	.62	.7	1.45
3	1.9	2.0	2.0	1.9	2.0	1.45	1.25	.85	.82	.6	.75	.92
4	1.8	2.0	2.0	1.9	2.0	2.05	1.95	.85	.8	.6	.9	.6
5	3.4	1.9	1.9	2.05	2.15	1.75	2.6	1.25	1.65	.6	.75	1.05
6	2.5	2.1	1.9	2.45	2.0	1.7	2.0	1.3	2.1	.6	.7	1.2
7	2.4	1.85	1.9	2.05	3.5	1.45	2.1	1.15	1.25	.6	.7	5.1
8	2.15	1.8	1.9	1.95	2.3	1.4	1.7	1.3	1.0	.6	.7	2.75
9	1.95	1.95	1.85	1.9	2.1	1.4	1.9	1.5	.95	1.2	.68	1.8
10	1.9	2.6	1.8	1.85	2.0	1.45	2.7	1.05	.9	1.6	.65	1.5
11	3.0	2.95	1.9	1.8	1.95	1.5	1.8	.95	.9	.85	.75	1.3
12	4.2	2.5	2.15	1.8	1.9	1.3	1.45	.92	.8	.75	.82	1.6
13	3.0	2.5	1.9	1.75	1.85	1.3	1.35	.85	.8	.7	.7	1.35
14	2.55	2.55	1.85	1.8	1.8	1.5	1.3	.85	.8	.7	.8	1.2
15	2.3	6.5	1.8	2.95	1.8	1.45	1.2	.8	.8	.7	.85	1.2
16	2.3	3.6	1.8	2.1	1.8	1.3	1.2	.8	.75	.65	.72	1.15
17	2.3	3.0	1.75	2.45	1.8	1.3	1.1	.82	.8	.65	.7	1.1
18	2.15	2.8	1.7	2.75	2.0	1.3	1.3	1.15	.75	.6	.65	1.1
19	2.0	2.8	1.75	2.8	2.05	1.3	1.2	.88	.75	.6	.65	1.2
20	2.0	2.55	2.65	2.45	1.9	1.2	1.1	.95	.75	.6	.65	1.3
21	1.95	2.4	2.8	2.25	1.75	1.55	1.0	0.85	0.78	0.62	0.65	1.45
22	1.9	2.3	2.3	2.1	1.7	1.45	1.0	2.8	.7	.6	.65	2.95
23	1.9	2.3	3.8	2.1	1.6	1.3	1.6	2.25	.72	.75	.65	2.2
24	1.8	2.2	4.7	2.0	1.7	1.2	1.15	1.8	.7	.88	.65	1.75
25	1.8	2.25	3.1	4.2	1.85	1.2	1.0	2.6	.65	.7	.65	1.55
26	1.8	2.6	2.65	2.7	1.9	1.1	1.0	1.5	.65	.62	.65	1.4
27	2.1	2.3	2.45	2.55	1.85	1.05	.9	1.25	.65	.6	.62	1.3
28	1.8	2.1	2.3	2.3	1.65	1.05	1.0	1.1	.7	.75	.6	1.3
29	1.9	2.05	2.2	2.2	1.6	1.05	1.35	1.0	.75	1.2	.6	1.3
30	1.8	-----	2.1	2.2	1.8	1.05	1.15	1.0	.65	1.0	.65	1.2
31	1.8	-----	2.1	-----	1.5	-----	1.0	.9	-----	.8	-----	.145

Rating table for Ocoee River at Copper Hill, Tenn., for 1907 and 1908

Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.	Gage height.	Dis-charge.
Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.	Feet.	Sec.-ft.
0.60	360	1.80	990	3.00	1,790	4.40	2,850
.70	400	1.90	1,055	3.10	1,860	4.60	3,015
.80	445	2.00	1,120	3.20	1,930	4.80	3,185
.90	490	2.10	1,185	3.30	2,000	5.00	3,360
1.00	540	2.20	1,250	3.40	2,075	5.20	3,540
1.10	590	2.30	1,315	3.50	2,150	5.40	3,730
1.20	640	2.40	1,380	3.60	2,225	5.60	3,930
1.30	695	2.50	1,445	3.70	2,300	5.80	4,130
1.40	750	2.60	1,510	3.80	2,375	6.00	4,330
1.50	810	2.70	1,580	3.90	2,450	6.20	4,530
1.60	870	2.80	1,650	4.00	2,530	6.40	4,740
1.70	930	2.90	1,720	4.20	2,690	6.60	4,960

NOTE.—The above table is based on seven discharge measurements made during 1906 and 1907 and the form of previous curves, and is well-defined between gage heights 0.9 feet and 3.5 feet.

GEOLOGICAL SURVEY OF GEORGIA

Daily discharge, in second-feet, of Ocoee River at Copper Hill, Tenn.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909												
1	640	640	1,440	1,580	4,960	1,120	1,180	695	590	445	400	360
2	615	640	1,440	1,540	1,760	1,120	1,120	1,220	490	422	400	360
3	615	640	1,440	1,440	1,680	2,770	1,090	1,320	490	422	400	360
4	695	640	1,320	1,380	1,540	4,330	1,060	900	490	409	400	360
5	1,350	780	1,250	1,350	1,440	1,540	990	840	515	409	400	360
6	1,020	1,180	1,380	1,320	1,380	1,540	990	750	515	409	400	360
7	840	840	1,320	1,480	1,320	1,350	1,580	780	490	409	400	1,410
8	750	750	1,320	1,380	1,280	1,510	1,790	695	490	409	380	1,180
9	695	1,440	1,380	1,480	1,250	2,000	1,410	722	540	400	380	590
10	695	3,360	3,360	1,350	1,650	1,440	1,150	695	640	380	380	540
11	695	1,540	1,930	1,250	1,350	1,480	1,020	695	540	870	380	490
12	640	1,250	1,790	1,250	1,250	1,380	990	668	515	870	380	490
13	640	2,080	9,920	1,380	1,180	1,350	1,060	750	590	409	380	1,930
14	750	1,650	4,530	1,410	1,150	1,250	1,120	750	445	1,510	380	1,250
15	1,510	2,530	3,020	1,320	1,180	1,440	930	695	445	1,650	380	695
16	1,790	3,360	2,450	1,250	1,350	1,280	930	640	445	668	380	668
17	1,580	2,150	2,220	1,180	1,180	1,480	930	640	640	540	422	590
18	1,220	1,720	2,080	1,180	1,060	1,350	870	590	468	490	422	590
19	1,020	1,790	2,000	1,180	1,060	1,180	810	590	490	468	380	540
20	930	1,620	2,080	1,120	1,860	1,120	810	590	445	454	380	515
21	870	1,380	1,930	1,120	2,220	1,180	810	540	445	445	380	490
22	810	2,220	1,720	1,120	2,530	1,180	840	540	640	445	380	490
23	810	2,530	1,620	2,080	1,790	1,250	1,150	540	1,180	422	445	490
24	810	2,380	1,580	1,440	1,510	1,250	870	515	640	422	468	515
25	810	2,000	2,850	1,380	1,410	1,320	750	515	590	422	400	615
26	750	1,760	1,790	1,380	1,320	1,410	750	490	490	400	380	615
27	695	1,650	1,680	1,250	1,410	1,510	840	490	445	400	380	540
28	695	1,580	2,220	1,320	1,280	1,650	780	490	445	400	360	540
29	750	-----	2,000	1,320	1,180	1,680	750	490	445	400	360	490
30	722	-----	1,760	1,280	1,150	1,540	750	590	445	400	360	490
31	640	-----	1,620	-----	1,180	-----	722	590	-----	400	-----	490
1910												
1	484	498	1,170	484	614	850	1,240	913	2,530	508	370	560
2	508	484	1,080	459	534	850	1,380	913	1,860	484	370	508
3	508	498	945	459	508	1,860	1,010	788	1,650	459	370	-----
4	459	614	788	459	508	1,170	1,760	1,240	788	484	370	-----
5	436	508	788	459	508	2,150	1,650	1,480	728	508	370	-----
6	758	484	728	498	508	2,300	1,580	1,170	728	614	370	-----
7	1,550	459	728	459	670	1,480	1,650	1,440	728	728	370	-----
8	1,410	459	670	450	1,940	1,210	1,580	1,170	670	614	370	-----
9	977	484	642	436	1,760	1,110	1,690	1,040	670	587	350	-----
10	614	508	728	436	1,040	1,110	1,580	882	670	587	350	-----
11	534	560	850	436	642	1,940	1,310	977	614	534	330	-----
12	508	728	728	436	913	1,790	1,110	882	670	459	330	-----
13	508	560	670	534	882	1,440	1,480	819	642	484	330	-----
14	508	560	642	469	758	1,380	1,550	788	642	508	350	-----
15	508	534	614	459	670	1,240	1,270	788	614	459	350	-----
16	459	508	587	614	699	1,170	1,270	788	614	459	330	-----
17	484	977	587	1,790	850	1,110	1,110	850	534	413	350	-----
18	508	1,940	560	882	882	945	1,080	913	534	413	350	-----
19	560	913	560	642	850	913	1,040	670	534	370	350	-----
20	508	788	560	614	2,450	913	1,010	758	534	370	350	-----
21	699	788	560	587	2,680	1,550	1,040	670	534	370	350	-----
22	614	882	560	508	2,230	1,580	913	670	534	370	350	-----
23	614	788	534	508	1,620	1,620	850	788	534	370	350	-----
24	614	728	534	534	1,860	977	882	788	534	370	350	-----
25	614	642	508	560	1,940	1,110	850	699	534	370	350	-----
26	560	614	508	614	1,720	788	850	850	534	350	350	-----
27	560	614	508	614	1,620	850	977	1,040	508	350	362	-----
28	560	850	508	614	1,080	913	1,040	977	508	350	614	-----
29	534	-----	508	614	1,010	1,170	2,080	788	508	370	560	-----
30	587	-----	484	614	977	1,140	1,480	728	819	370	560	-----
31	508	-----	484	-----	913	-----	850	1,940	-----	370	-----	-----

NOTE.—Daily discharge determined from a discharge rating curve well defined between 292 and 670 second-feet (gauge heights 0.5 and 1.3 feet).

WATER POWERS OF GEORGIA

Monthly discharge of Ocoee River at Copper Hill, Tenn.

[Drainage area, 374 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1907						
January	1,760	840	1,040	2.78	3.20	A.
February	1,930	810	1,110	2.97	3.09	A.
March	2,690	750	995	2.66	3.07	A.
April	1,320	750	891	2.38	2.66	A.
May	1,220	695	857	2.29	2.64	A.
June	1,790	640	861	2.30	2.57	A.
July	1,320	540	705	1.89	2.18	A.
August	1,350	445	598	1.60	1.84	A.
September	3,180	300	670	1.79	2.00	A.
October	990	409	522	1.40	1.61	A.
November	1,720	436	694	1.86	2.08	A.
December	2,080	540	920	2.46	2.84	A.
The year	3,180	360	822	2.20	29.78	
1908						
January	2,690	990	1,270	3.40	3.92	A.
February	4,850	990	1,520	4.06	4.38	A.
March	3,100	930	1,280	3.42	3.94	A.
April	2,690	960	1,280	3.42	3.82	A.
May	2,150	810	1,080	2.89	3.33	A.
June	1,150	565	736	1.97	2.20	A.
July	1,580	490	768	2.05	2.36	A.
August	1,650	445	658	1.76	2.03	A.
September	1,180	380	485	1.30	1.45	A.
October	870	360	424	1.13	1.30	A.
November	490	360	400	1.07	1.19	A.
December	4,430	445	903	2.41	2.78	A.
The year	4,850	360	900	2.41	32.70	
1909						
January	1,790	615	873	2.33	2.69	A.
February	3,360	640	1,650	4.41	4.59	A.
March	8,920	1,250	2,180	5.83	6.72	A.
April	2,080	1,120	1,350	3.61	4.03	A.
May	4,960	1,060	1,540	4.12	4.75	A.
June	4,330	1,120	1,530	4.09	4.56	A.
July	1,790	722	995	2.66	3.07	A.
August	1,320	490	678	1.81	2.09	A.
September	1,180	445	538	1.44	1.61	A.
October	1,650	400	535	1.43	1.65	A.
November	468	360	391	1.05	1.17	A.
December	1,930	360	626	1.67	1.92	A.
The year	8,920	360	1,070	2.87	38.85	
1910						
January	1,550	436	621	1.66	1.91	A.
February	1,940	459	678	1.81	1.88	A.
March	1,170	484	656	1.75	2.02	A.
April	1,790	436	575	1.54	1.72	A.
May	2,680	508	1,160	3.10	3.67	A.
June	2,300	788	1,290	3.45	3.85	A.
July	2,080	850	1,300	3.50	4.04	A.
August	1,940	670	942	2.52	2.90	A.
September	2,530	508	750	2.01	2.24	A.
October	728	350	453	1.21	1.40	A.
November	614	330	376	1.01	1.13	A.

Monthly discharge of Ocoee River at Copper Hill, Tenn.
—Continued

[Drainage area, 374 square miles.]

Month	Discharge in second-feet.				Run-off (depth in inches on drainage area).	Accuracy.
	Maximum.	Minimum.	Mean.	Per square mile.		
1911						
March 19-31-----	1,440	614	837	2.24	1.08	A.
April-----	2,230	614	1,430	3.82	4.26	B.
May-----	1,170	614	855	2.29	2.64	A.
June-----	614	413	503	1.34	1.50	A.
July-----	1,080	404	610	1.63	1.88	A.
August-----	670	330	398	1.06	1.22	A.
September-----	614	274	367	.981	1.09	B.
October-----	1,720	274	459	1.23	1.42	A.
November-----	1,040	311	463	1.24	1.38	A.
December-----	1,860	370	710	1.90	2.19	B.
1912						
January-----	2,390	545	874	2.34	2.70	A.
February-----	3,100	660	1,320	3.53	3.81	A.
March-----	8,100	1,180	1,970	5.27	6.08	B.
April-----	2,480	1,260	1,710	4.57	5.10	A.
May-----	5,390	910	1,410	3.77	4.35	A.
June-----	1,720	720	1,060	2.83	3.16	A.
July-----	1,400	545	895	2.39	2.76	A.
August-----	1,110	465	649	1.74	2.01	A.
September-----	3,970	390	698	1.87	2.09	B.
1912-1913						
October-----	1,560	440	583	1.56	1.80	A.
November-----	975	415	527	1.41	1.57	B.
December-----	1,400	415	629	1.68	1.94	A.
January-----	2,480	660	1,070	2.86	3.30	A.
February-----	5,710	975	1,410	3.77	3.93	A.
March-----	8,700	1,110	2,470	6.60	7.61	B.
April-----	2,050	975	1,410	3.77	4.21	A.
May-----	3,970	780	1,100	2.94	3.39	A.
June-----	1,560	545	766	2.05	2.29	A.
July-----	1,110	130	478	1.28	1.48	B.
August-----	975	310	451	1.21	1.40	B.
September-----	910	270	330	.882	.98	B.
The year-----	8,700	130	933	2.49	33.90	
1913						
October-----	440	270	297	0.794	0.92	B.
November-----	330	270	285	.762	.85	B.
December-----	975	390	512	1.37	1.58	B.

APPENDIX

As this report takes up the stream gaging data at the beginning of the year 1907, thus omitting a very large amount of similar data previously published in Bulletin No. 16, a digest of the data previous to 1907, which was prepared some years ago, is here included as an appendix to this report.

The object of these computations was to determine the flow values for the Average Year, to be used as a basis for estimating water power.

The period for which the Average Year flow values were determined is the seven year period from 1900 to 1906 inclusive, and the computations have been made for all of the gaging stations which were maintained during any portion of that period.

The minimum discharge as shown in the tabulation, or the "low water flow, as it may be more properly called, is not the lowest day which may be found in the daily discharge table, but is the average of two separate seven consecutive day periods. The seven day period is used to eliminate low days due to stoppage of Sunday water in storage reservoirs above, and two such seven day periods are used to lessen the effect of an unusual amount of stoppage of flow which might occur during some low water week.

The minimum discharge for six high months is the average of the lowest seven day period occurring during the six consecutive months of highest minimum flow.

These minimum flow values for the average year are determined by taking the similar flow values for each of the seven years and making a direct average of them for gaging stations having records for the full seven years.

For other gaging stations having only partial records, the average year figures have been determined by a comparative method which briefly explained is as follows: For the full record stations, the average year figures bear a known relation to the similar figures for each of the other years. These relations, expressed as percentage, are then applied to the partial records at other nearby gaging stations to determine the average year flow at such partial stations. For example, assume that the low water flow at a gaging station is known for one year only and is 100 second feet; assume also that the relation for this same year as determined from one or more nearby full record stations is 75 per cent of the average year flow. The 100 second feet at the partial record station will then be assumed to be 75 per cent of the average year flow, making the average year flow at this station 133 second feet.

The flow for the average year is given in cubic feet per second, also as runoff per square mile of drainage basin area, expressed in cubic feet per second.

In addition to the minimum discharge and minimum discharge for the six-high months, the annual mean discharge is given, when it is available. These flow values with the addition of the maximum discharge are also given for each of the years for which the flow records are available.

GEOLOGICAL SURVEY OF GEORGIA

Stream flow in cubic feet per second, at the gaging stations in Georgia, as determined for the seven-year period from 1900 to 1906 inclusive:

STATION	Year	Minimum Discharge		Minimum Discharge 6-High Months		Mean Discharge		Maximum 24-Hour Discharge	
			Per Sq mi		Per Sq mi		Per Sq mi		Per Sq mi
Chattooga River Near Clayton, Ga. Drainage Area ----205 sq. mi.	Average								
	Year	300	1.46	500	2.43				
	1907	275		480					
Tugaloo River Near Toccoa, Ga. Drainage Area ----535 sq. mi.	Average								
	Year	700	1.31	1,000	1.87				
	1907	520		980					
Tugaloo River Near Madison, S. C. Drainage Area ----593 sq. mi.	Average								
	Year	750	1.26	1,050	1.77	1,880	3.17		
	1900	808		1,080		1,820		14,800	
	1901	994		1,230		2,520		16,500	
	1903	552		620	1.05	930	1.57	3,200	
	1904	446	.75	652		1,040		14,400	
	1905	682		805		1,770		21,900	37.0
	1906	1,200	2.02	1,910	3.22	3,230		16,900	
	1907	550		1,000					
Savannah River Near Calhoun Falls, S. C. Drainage Area ----2,710 sq. mi.	Average								
	Year	2,050	.76	3,200	1.18	6,200	2.29		
	1900	1,810		3,200		6,460		75,200	27.7
	1902	1,540		2,300		5,790		62,200	
	1903	2,020		4,860		7,900		57,400	
Savannah River At Woodlawn, S. C. Drainage Area ----6,600 sq. mi.	Average								
	Year	3,960	.60	5,330	.81	10,500	1.60		
	1905	3,620							
	1906	6,190		9,010		13,800		72,000	11.0
	1907	2,980		5,760					
Savannah River At Augusta, Ga. Drainage Area ----7,300 sq. mi.	Average								
	Year	4,320	.59	6,360	.87	12,100	1.66		
	1900	4,120		6,150		11,600		124,000	
	1901	7,440	1.02	7,500		16,400	2.25	112,000	
	1902	3,740		6,660		12,300		137,000	18.8
	1903	3,650		7,800		14,000		130,000	
	1904	1,850	.258	3,670	.50	5,530	.76	55,700	
	1905	3,590		4,530		8,710		82,900	
	1906	5,880		8,230	1.12	16,000		99,400	
	1908							216,000	29.6
Stekoa Creek Near Clayton, Ga. Drainage Area ----36 sq. mi.	Average								
	Year	55	1.53	86	2.40				
	1907	52		75					
Tallulah River At Tallulah Falls, Ga. Drainage Area ----191 sq. mi.	Average								
	Year	260	1.36	400	2.09	580	3.04		
	1900	240							
	1901	403		585				7,760	
	1904	126	.66						
	1905	215		380		538		4,360	
	1906	450	2.35	608		1010		9,000	4.70
	1907	180		350					
Broad River Near Carlton, Ga. Drainage Area ----762 sq. mi.	Average								
	Year	557	.73	814	1.07	1,490	1.96		
	1900	603		950		1,660		26,000	
	1901	870	1.14	1,010		1,990	2.60	22,900	
	1902	512		894		1,630		29,100	38.2
	1903	602		1,060	1.39	1,750		24,400	
	1904	305		475	.62	730	.95	10,300	
	1905	286	.375	510		950		8,800	
	1906	720		800		1,710		24,900	

WATER POWERS OF GEORGIA

Stream flow in cubic feet per second, at the gaging stations in Georgia, as determined for the seven year period, from 1900 to 1906, inclusive.—Continued.

STATION	Year	Minimum Discharge		Minimum Discharge 6-High Months		Mean Discharge		Maximum 24-Hour Discharge	
			Per Sq mi		Per Sq mi		Per Sq mi		Per Sq mi
Ogeechee River Near Millen, Ga. Drainage Area...1,900 sq. mi.	Average Year 1903	465	.24	800	.42				
Williamson Swamp Co. Near Davisboro, Ga. Drainage Area...128 sq. mi.	Average Year 1903	48	.375						
Cannoochee River Near Groveland, Ga. Drainage Area...960 sq. mi.	Average Year 1903 1904 1905 1906	82 155 33 27 81	.085	200 124 113 309	.208	900 640 582 1,010	.94	5,210 4,300 4,080 4,930	5.4
South River Near Lithonia, Ga. Drainage Area...150 sq. mi.	Average Year 1903 1904	114 106 61	.76	220 134	1.46	410 206	2.70		
Ocmulgee River Near Jackson, Ga. Drainage Area...1,440 sq. mi.	Average Year 1906 1907	580 896 350	.403	1,020 1,140 1,000	.71			25,400	17.6
Ocmulgee River Near Flovilla, Ga. Drainage Area...1,500 sq. mi.	Average Year 1903 1904 1905	680 660 250 290	.453	850 860 615 742	.57	1,930 1,350	1.28		
Ocmulgee River At Macon, Ga. Drainage Area...2,425 sq. mi.	Average Year 1900 1901 1902 1903 1904 1905 1906 1907	828 1,140 1,080 852 926 286 340 1,170 620	.341	1,370 2,230 1,320 1,060 1,530 760 1,090 1,570 1,250	.56 .92	3,170 4,200 3,780 3,500 3,960 1,480 1,930 3,300	1.31 1.73	46,200 34,100 50,900 42,000 12,600 25,200 20,600	21.0
Yellow River At Almon, Ga. Drainage Area...379 sq. mi.	Average Year 1900 1901 1899	225 285 270 131	.59	290 340 355	.76	715 775 947	1.89	9,220 6,970	24.4
Alcovy River Near Covington, Ga. Drainage Area...228 sq. mi.	Average Year 1901 1902 1903 1904	103 146 111 100 42	.45	200 194 194 116	.88	320 338 359 190	1.40 .83	2,170 1,410 888	9.5
Alcovy River Near Stewart, Ga. Drainage Area...395 sq. mi.	Average Year 1905 1906	120 45 186	.304	230 267	.58	430 524	1.09	2,650	6.7
Towaliga River Near Juliette, Ga. Drainage Area...350 sq. mi.	Average Year 1900 1901	112 125 165	.32	207 260 240	.59	390 489 444	1.11	3,080 2,380	8.8

GEOLOGICAL SURVEY OF GEORGIA

Stream flow in cubic feet per second, at the gaging stations in Georgia, as determined for the seven year period from 1900 to 1906, inclusive.—Continued.

STATION	Year	Minimum Discharge		Minimum Discharge 6-High Months		Mean Discharge		Maximum 24-Hour Discharge	
			Per Sq mi		Per Sq mi		Per Sq mi		Per Sq mi
Oconee River Barnett Shoals Near Watkinsville, Ga. Drainage Area835 sq. mi.	Average								
	Year 1901	470	.56	780					
Oconee River Near Greensboro, Ga. Drainage Area1,100 sq. mi.	Average								
	Year 1903	525	.477	740	.67	1,570	1.43		
	1904	574							
	1905	244	.223	570	.52	832	.76	6,520	
	1906	265		570		1,113		8,090	
Oconee River At Carey, Ga. Drainage Area1,346 sq. mi.	Average								
	Year 1897	435	.32	800	.59				
Oconee River At Fraleys Ferry near Milledgeville, Ga. Drainage Area2,810 sq. mi.	Average								
	Year 1906	1,140	.405	1,500	.53				
	1907	1,544		1,770					
Oconee River At Milledgeville, Ga. Drainage Area2,845 sq. mi.	Average								
	Year 1904	930	.327	1,420	.50	1,815		10,800	
Oconee River At Dublin, Ga. Drainage Area4,182 sq. mi.	Average								
	Year 1900	1,410	.337	2,520	.60	5,210	1.24		
	1901	1,480		2,900		5,870		28,200	
	1902	2,250	.54	2,340		6,500	1.55	25,600	
	1903	1,160		2,500		5,410		29,300	
	1904	1,620		3,160		6,220		34,900	8.3
	1905	576	.133	1,820	.435	2,620	.63	11,500	
	1906	725		2,170		3,810		27,400	
Middle Oconee River Near Athens, Ga. Drainage Area395 sq. mi.	Average								
	Year 1902	270	.69	450	1.14			19,600	49.5
Apalachee River Near Buckhead, Ga. Drainage Area440 sq. mi.	Average								
	Year 1901	204	.464	340	.77	680	1.55		
	1902	290		440	1.00				
	1903	234		290		708		6,680	15.1
	1904	222		352		688		4,480	
	1905	69	.157	271	.62	377	.86	2,680	
	1906	75		294		505		3,910	
Ohoopsee River Near Reidsville, Ga. Drainage Area1,280 sq. mi.	Average								
	Year 1904	83	.065	312	.244	1,320	1.03		
	1905	53	.042	192		798		4,890	
	1906	56		140	.109	988		10,400	8.1
Chattahoochee River At Aerial, Ga. Drainage Area118 sq. mi.	Average								
	Year 1907	150	1.27	275	2.34				
Chattahoochee River Near Leaf, Ga. Drainage Area150 sq. mi.	Average								
	Year 1907	106		225					
Chattahoochee River Near Leaf, Ga. Drainage Area150 sq. mi.	Average								
	Year 1907	200	1.33	304	2.03				
		145		248					

WATER POWERS OF GEORGIA

Stream flow in cubic feet per second, at the gaging stations in Georgia, as determined for the seven year period from 1900 to 1906, inclusive.—Continued.

STATION	Year	Minimum Discharge		Minimum Discharge 6-High Months		Mean Discharge		Maximum 24-Hour Discharge	
			Per Sq mi		Per Sq mi		Per Sq mi		Per Sq mi
Chattahoochee River Near Gainesville, Ga. Drainage Area—544 sq. mi.	Average								
	Year	450	.83	1,160	2.13	1,420	2.61		
	1901	555						17,500	32.2
	1902			1,320				16,200	
	1903	435		1,100		1,689		15,400	
Chattahoochee River Near Buford, Ga. Drainage Area—1,050 sq. mi.	Average								
	Year	1,050	1.00						
1901	1,490						23,100	22.0	
Chattahoochee River Near Norcross, Ga. Drainage Area—1,170 sq. mi.	Average								
	Year	1,100	.94	1,800	1.54	3,050	2.51		
	1903	1,020		1,780				7,000	
	1904	514	.44	1,010	.86	1,310	1.12	9,120	
	1905	692		1,290		1,970		15,600	
	1906	1,590	1.35	2,260	1.93	3,490	3.00	20,800	19.0
	1907	808		1,470					
Chattahoochee River At Oakdale, Ga. Drainage Area—1,560 sq. mi.	Average								
	Year	1,330	.85	2,030	1.30	3,460	2.22		
	1900	1,880		2,730		4,260		28,600	
	1901	1,720		2,350		4,490		48,800	31.5
1902	1,070		2,000		3,390		41,800		
Chattahoochee River At West Point, Ga. Drainage Area—3,300 sq. mi.	Average								
	Year	1,930	.58	3,410	1.03	6,550	1.98		
	1900	2,560		3,910		7,610		63,300	
	1901	2,550		4,480	1.35	8,660	2.65	88,600	26.8
	1902	1,450		3,480		6,890		65,600	
	1903	1,850		3,650		7,910		66,100	
	1904	864	.263	1,650	.50	3,020	.97	29,300	
	1905	1,200		2,380		4,360		32,200	
	1906	3,010	.94	4,340		7,400		50,800	
	1907	1,550		3,390					
Soque River Near Demorest, Ga. Drainage Area—158 sq. mi.	Average								
	Year	225	1.42	285	1.80	550	3.48		
	1904	100							
	1905	171		226		349		4,950	
	1906	306		327		629		8,830	56.0
1907	145		240						
Flint River Near Woodbury, Ga. Drainage Area—988 sq. mi.	Average								
	Year	318	.32	610	.62	1,560	1.58		
	1900	390		830	.84				
	1901	470	.47	665		1,880		19,800	
	1902	300		630		1,850		30,200	30.5
	1903	315		520		1,890	1.90	25,800	
	1904	144	.146	365	.37	816	.82	15,000	
	1905	162		446		997		9,100	
1906	444		807		1,580		12,800		
Flint River Near Montezuma, Ga. Drainage Area—2,700 sq. mi.	Average								
	Year	1,180	.437	1,650	.61	3,650	1.35		
	1905	770		1,600		2,540		13,900	5.1
1906	1,370		1,790		3,440		11,300		
Flint River At Albany, Ga. Drainage Area—5,000 sq. mi.	Average								
	Year	2,650	.53	4,460	.89	7,810	1.56		
	1902	1,700		4,580		7,150		27,000	
	1903	3,140		4,980	1.00	9,260	1.83	35,900	
	1904	1,540	.308	3,050	.61	5,200	1.04	27,400	
	1905	1,840		3,740		6,260		39,000	.78
	1906	3,390	.68	4,100		7,620		25,100	

GEOLOGICAL SURVEY OF GEORGIA

Stream flow in cubic feet per second, at the gaging stations in Georgia, as determined for the seven year period from 1900 to 1906, inclusive.—Continued.

STATION	Year	Minimum Discharge		Minimum Discharge 6-High Months		Mean Discharge		Maximum 24-Hour Discharge	
		Per Sq mi		Per Sq mi		Per Sq mi		Per Sq mi	
Kinchafoonee Creek Near Leesburg, Ga. Drainage Area ----480 sq. mi.	Average								
	Year	270	.56	460	.96				
	1905	188							
	1906	353		430					
Kinchafoonee Creek Near Albany, Ga. Drainage Area ----540 sq. mi.	Average								
	Year	310	.57	600	1.11				
	1903	352		745					
	1904	200							
Muckalee Creek Near Albany, Ga. Drainage Area ----950 sq. mi.	Average								
	Year	580	.61	1,000	1.05				
	1903	730		1,180					
	1904	330							
Ishawaynochaway Creek Near Milford, Ga. Drainage Area ----640 sq. mi.	Average								
	Year	330	.51	590	.92	1,190	1.85		
	1905	230							
	1906	431		540		1,160		8,400	13.5
Cartecay River Near Cartecay, Ga. Drainage Area ----90 sq. mi. (Oak Hill, Ga.)	Average								
	Year	142	1.58	215	2.39				
	1904	67	.74						
	1905	95		128					
Coosawattee River At Carters, Ga. Drainage Area ----530 sq. mi.	Average								
	Year	445	.84	770	1.45	1,310	2.47		
	1900	488		625					
	1901	648		860		1,780	3.35	17,000	
	1902	256		416		1,110		15,500	
	1903	345		815		1,340		14,400	
	1904	184	.346	358	.68	539	1.01	2,690	
	1905	334		468		1,040		12,000	
	1906	859	1.61	1,080	2.03	1,650		17,700	33.3
	1907	450		870					
Oostanaula River At Resaca, Ga. Drainage Area ----1,610 sq. mi.	Average								
	Year	800	.50	1,400	.87	3,500	2.17		
	1900	920		1,280					
	1901	1,100							
	1905	540		1,330		2,640		18,500	
1906	1,450		2,130		4,600		36,600	22.8	
Coosa River At Rome, Ga. Drainage Area ----4,010 sq. mi.	Average								
	Year	1,700	.423	3,450	.86	7,500	1.87		
	1900	2,000		2,720		8,220		53,300	
	1901	2,160		4,360		10,100		64,200	16.0
	1902	1,500		2,770		6,920		56,800	
1903	1,510		4,000		8,930		56,300		
Ellijay River At Ellijay, Ga. Drainage Area ----90 sq. mi.	Average								
	Year	100	1.11	180	2.00				
	1904	42	.47						
	1905	114							
1907	100		200						
Mountain Town Creek Near Ellijay, Ga. Drainage Area ----78 sq. mi.	Average								
	Year	81	1.04						
	1904	34							
	1905	92							
Talking Rock Creek At Carters, Ga. Drainage Area ----146 sq. mi.	Average								
	Year	66	.452						
	1904	25							
	1905	51							
Connasauga River At Beaverdale, Ga. Drainage Area ----182 sq. mi.	Average								
	Year	92	.505	210	1.15				
	1907	92		235					

WATER POWERS OF GEORGIA

Stream flow in cubic feet per second, at the gaging stations in Georgia, as determined for the seven year period from 1900 to 1906, inclusive.—Continued.

STATION	Year	Minimum Discharge		Minimum Discharge 6-High Months		Mean Discharge		Maximum 24-Hour Discharge	
			Per Sq mi		Per Sq mi		Per Sq mi		Per Sq mi
Etowah River Near Ball Ground, Ga. Drainage Area ---- 466 sq. mi.	Average								
	Year	450	.96	680	1.46				
	1907	405		750					
Etowah River At Canton, Ga. Drainage Area ---- 600 sq. mi.	Average								
	Year	470	.78	990	1.65	1,550	2.58	12,300	28.5
	1900	792		1,240				17,100	
	1901	704		1,080		1,940		16,100	
	1902	438		650		1,450		15,200	
	1903	430		1,100		1,780		7,320	
	1904	200	.333	420	.70	605	1.01		
Etowah River Freemans Ferry Near Rome, Ga. Drainage Area ---- 1,800 sq. mi.	Average								
	Year	965	.53	1,450	.81	3,600	2.00		
	1904	415	.23					37,000	
	1905	671		1,270		2,670		59,400	33.0
	1906	1,740	.96	2,016		4,560			
	1907	850		1,660					
Amicalola River Near Potts Mountain, Ga. Drainage Area ---- 80 sq. mi.	Average								
	Year	120	1.50	140	1.75				
	1907	122		150					
Hiwassee River Near Hayesville, N. C. Drainage Area ---- 186 sq. mi.	Average								
	Year	152	.82	320	1.72				
	1907	205		430					
Hiwassee River At Murphy, N. C. Drainage Area ---- 410 sq. mi.	Average								
	Year	330	.80	603	1.47	1,080	2.63	13,100	
	1900	396		665		1,160		14,300	
	1901	450		800		1,550	3.80	15,900	
	1902	203		535		934		12,000	
	1903	241		550		1,120		4,400	
	1904	168	.41	280	.68	530	1.30	10,500	
	1905	272		500		859		22,000	53.5
	1906	575	1.41	890	2.17	1,410			
	1907	477		820					
Nottely River At Ranger, N. C. Drainage Area ---- 272 sq. mi.	Average								
	Year	223	.82	385	1.41	690	2.54		
	1901	362		473				5,360	
	1902	164		362		850		5,660	20.8
	1903	174		377		588		4,610	
	1904	101		204		310		1,940	
	1905	125		286		438		3,060	
Toccoa River At Dial, Ga. Drainage Area ---- 122 sq. mi.	Average								
	Year	165	1.35	360	2.95				
	1907	140		245					
Toccoa River Near Blue Ridge, Ga. Drainage Area ---- 231 sq. mi.	Average								
	Year	352	1.52	770	3.33	930	4.06		
	1900	440		550				6,240	
	1901	475		630		1,211		12,300	87.5
	1902	283		666		952		8,010	
	1899	255							
Oconee River (Toccoa) At Copper Hill, Tenn. Drainage Area ---- 360 sq. mi.	Average								
	Year	441	1.22	720	2.00	920	2.56		
	1903	315		785					
	1904	218	.61	351	.98	488	1.35	2,200	
	1905	324		497		675		4,370	
	1906	730	2.03	924	2.56	1,230		18,000	50.0
	1907	380		680					
Fighting Town Creek At Copper Hill, Tenn. Drainage Area ---- 72 sq. mi.	Average								
	Year	76	1.05						
	1903	61							
	1904	40							
	1905	47							

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