

Roanoke River Lake Gaston Roanoke Rapids Lake



February 28, 2020

Safety

- 1 death in September.
- No reported injuries
- No reported boat accidents

This year:

- Open flood gates
- Lifejackets

2019 Lake Levels

- Lake Gaston
 - Normal: 199.0 – 200.0
 - 2018 Range 199.0 – 201.3
 - 2019 Range 198.9 – 201.4
- Roanoke Rapids Lake
 - Normal 127-132
 - 2018 Range 127.0 – 132.3
 - 2019 Range 126.3 – 132.3

Lake Gaston Levels

- During 2019, the Lake Gaston Dam gauge indicated:
 - Peak level 201.4 ft (Jan/Feb)
 - 0 hours over 201.5 ft
 - 200 hours over 201.0 ft
 - 10 Weeks in Flood Control, 12.4% of that above 201.0 ft

River Flows

- 1989-2019 average: 8,176 cfs
- 2019
 - Average of 11,020 cfs
 - Low daily average on Sep 10th: 2,250 cfs
 - High daily average on Mar 10th: 35,192 cfs
- 2020 to date
 - Average of 17,400 cfs or 7.8 million gallons per minute
 - Low daily average on Feb 16th: 6,070 cfs
 - High daily average on Feb 13th: 36,200 cfs: 23.4 BGD
- 2018
 - Average of 12,350 cfs
 - Low daily average on Feb 15th: 2,300 cfs
 - High daily average on Nov. 29th: 35,400

Activities at the dams

- 2019

- Outage at Gaston Dam Spring 2019 for replacement of internal water supply piping.
- Outage for replacement of original transformers at Roanoke Rapids Dam. Began October 20 and will continue into March
- Eels

- 2020

- Outage at Roanoke Rapids for replacement of internal water supply piping
- Outage at Gaston for replacement of main wiring
- Eels

Generation

- The two dams generated 671,000 megawatt hours of electricity in 2019
- 20% increase over the average year but 25% less than last year due to outages and lower flows
- Cheapest electricity in the fleet with fuel cost passed directly to the consumer