



**Date:** January 3, 2001

**From:** Rebecca L. Mitchell

**To:** Distribution (by E-mail, Fax or regular Mail)

**Subject:** Lake Gaston Water Withdrawal Report For 2000  
(FERC Project # 2009)

Enclosed please find a copy of the Virginia Beach yearly water withdrawal report from Lake Gaston for 2000. Withdrawals in 2000 totaled 6,777 million gallons (MG) and averaged 18.5 million gallons per day (mgd). The maximum monthly withdrawal of 1,429 MG (46.1 mgd) occurred in December and the minimum monthly withdrawal of 144 MG (4.8 mgd) occurred in April.

January 2000: Withdrawals in January 2000 totaled 153 million gallons (MG) and averaged 4.9 million gallons per day (mgd). The maximum daily withdrawal was 10.0 MG and the minimum daily withdrawal was 4.4 MG.

February 2000: Withdrawals in February 2000 totaled 148 million gallons (MG) and averaged 5.1 million gallons per day (mgd). The maximum daily withdrawal was 10.1 MG and the minimum daily withdrawal was 3.4 MG.

March 2000: Withdrawals in March 2000 totaled 156 million gallons (MG) and averaged 5.0 million gallons per day (mgd). The maximum daily withdrawal was 16.3 MG and the minimum daily withdrawal was 4.1 MG.

April 2000: Withdrawals in April 2000 totaled 144 million gallons (MG) and averaged 4.8 million gallons per day (mgd). The maximum daily withdrawal was 8.4 MG and the minimum daily withdrawal was 4.3 MG.

May 2000: Withdrawals in May 2000 totaled 412 million gallons (MG) and averaged 13.3 million gallons per day (mgd). The maximum daily withdrawal was 16.4 MG and the minimum daily withdrawal was 4.7 MG.

June 2000: Withdrawals in June 2000 totaled 624 million gallons (MG) and averaged 20.8 million gallons per day (mgd). The maximum daily withdrawal was 34.1 MG and the minimum daily withdrawal was 15.2 MG.

July 2000: Withdrawals in July 2000 totaled 901 million gallons (MG) and averaged 29.1 million gallons per day (mgd). The maximum daily withdrawal was 34.1 MG and the minimum daily withdrawal was 27.1 MG.

August 2000: Withdrawals in August 2000 totaled 894 million gallons (MG) and averaged 28.8 million gallons per day (mgd). The maximum daily withdrawal was 32.4 MG and the minimum daily withdrawal was 27.6 MG.

September 2000: Withdrawals in September 2000 totaled 286 million gallons (MG) and averaged 9.5 million gallons per day (mgd). The maximum daily withdrawal was 28.7 MG and the minimum daily withdrawal was 0.0 MG.

October 2000: Withdrawals in October 2000 totaled 255 million gallons (MG) and averaged 8.2 million gallons per day (mgd). The maximum daily withdrawal was 28.0 MG and the minimum daily withdrawal was 4.5 MG.

November 2000: Withdrawals in November 2000 totaled 1,376 million gallons (MG) and averaged 45.9 million gallons per day (mgd). The maximum daily withdrawal was 59.9 MG and the minimum daily withdrawal was 29.0 MG.

December 2000: Withdrawals in December 2000 totaled 1,429 million gallons (MG) and averaged 46.1 million gallons per day (mgd). The maximum daily withdrawal was 59.4 MG and the minimum daily withdrawal was 37.2 MG.

This report is being sent as an attachment to this e-mail in Word Perfect (\*.wpd), QuatroPro (\*.wb2), Excel (\*.xls), MS Word (\*.doc), fax, or regular mail. If you have any questions, you may respond by e-mail to [bmitchel@city.virginia-beach.va.us](mailto:bmitchel@city.virginia-beach.va.us), by fax at 757-427-3183, by mail at Department of Public Utilities, 2405 Court House Drive, Virginia Beach, VA 23456, or by phone at 757-427-8674.

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CITY OF VIRGINIA BEACH, VIRGINIA -- LAKE GASTON WITHDRAWAL REPORT: 2000

| Day     | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL      | AUG  | SEP  | OCT  | NOV  | DEC  | YEAR |
|---------|------|------|------|------|------|------|----------|------|------|------|------|------|------|
| 1       | 4.6  | 10.1 | 4.6  | 4.6  | 4.8  | 18.1 | 34.1     | 29.1 | 28.7 | 4.8  | 29.4 | 43.7 |      |
| 2       | 4.7  | 5.6  | 4.5  | 4.7  | 6.1  | 16.2 | 34.129.4 | 28.6 | 4.7  | 29.1 | 43.7 |      |      |
| 3       | 4.8  | 8.2  | 4.6  | 6.3  | 4.8  | 16.1 | 30.829.3 | 28.5 | 4.5  | 29.1 | 43.7 |      |      |
| 4       | 4.6  | 4.8  | 4.4  | 5.2  | 4.7  | 16.0 | 28.929.0 | 28.6 | 4.6  | 29.3 | 43.8 |      |      |
| 5       | 4.4  | 4.7  | 4.3  | 4.7  | 4.7  | 16.0 | 28.828.5 | 28.6 | 4.5  | 29.6 | 43.8 |      |      |
| 6       | 10.0 | 4.8  | 4.5  | 4.8  | 4.8  | 16.4 | 28.828.4 | 20.4 | 4.5  | 30.6 | 38.4 |      |      |
| 7       | 4.7  | 5.0  | 4.5  | 4.7  | 5.0  | 15.7 | 27.928.3 | 5.8  | 4.6  | 29.1 | 49.7 |      |      |
| 8       | 4.9  | 5.0  | 4.5  | 4.7  | 7.5  | 15.7 | 28.928.2 | 4.9  | 4.7  | 29.1 | 58.8 |      |      |
| 9       | 4.6  | 4.7  | 4.3  | 4.7  | 12.2 | 15.2 | 28.728.2 | 5.0  | 4.7  | 29.1 | 58.6 |      |      |
| 10      | 4.6  | 4.6  | 4.1  | 4.7  | 16.2 | 15.2 | 28.828.2 | 5.0  | 4.7  | 29.0 | 58.7 |      |      |
| 11      | 4.6  | 4.6  | 4.1  | 4.5  | 16.1 | 15.2 | 29.028.4 | 3.8  | 4.7  | 29.0 | 56.8 |      |      |
| 12      | 4.6  | 4.6  | 4.1  | 4.6  | 16.1 | 15.2 | 29.028.6 | 0.0  | 9.0  | 29.1 | 59.4 |      |      |
| 13      | 4.7  | 4.6  | 4.1  | 4.8  | 16.1 | 15.2 | 28.928.4 | 0.0  | 9.2  | 47.4 | 37.2 |      |      |
| 14      | 4.8  | 4.7  | 4.1  | 4.6  | 16.1 | 15.2 | 28.828.1 | 8.5  | 10.2 | 59.7 | 44.5 |      |      |
| 15      | 4.8  | 4.8  | 4.3  | 4.7  | 16.1 | 15.2 | 28.628.1 | 9.5  | 10.1 | 59.9 | 44.5 |      |      |
| 16      | 4.8  | 4.8  | 7.5  | 4.6  | 16.1 | 15.3 | 28.530.8 | 4.7  | 9.4  | 59.0 | 44.3 |      |      |
| 17      | 4.8  | 4.5  | 4.8  | 4.6  | 16.1 | 15.3 | 28.632.4 | 4.6  | 9.7  | 58.8 | 42.9 |      |      |
| 18      | 4.8  | 3.4  | 4.8  | 4.5  | 16.1 | 15.3 | 28.828.9 | 4.7  | 9.8  | 58.4 | 44.4 |      |      |
| 19      | 4.8  | 4.6  | 4.9  | 4.4  | 16.3 | 18.7 | 28.728.7 | 4.6  | 9.3  | 58.0 | 44.5 |      |      |
| 20      | 4.8  | 4.5  | 5.0  | 4.5  | 16.4 | 27.4 | 28.628.5 | 5.0  | 7.8  | 58.7 | 39.3 |      |      |
| 21      | 4.8  | 4.5  | 4.8  | 4.6  | 16.4 | 28.3 | 28.629.0 | 4.7  | 7.8  | 50.9 | 44.1 |      |      |
| 22      | 4.8  | 4.7  | 4.7  | 4.4  | 16.4 | 29.0 | 28.528.6 | 4.6  | 7.8  | 53.4 | 44.3 |      |      |
| 23      | 4.7  | 4.7  | 4.8  | 4.3  | 16.3 | 29.2 | 28.628.5 | 4.6  | 7.8  | 59.3 | 44.4 |      |      |
| 24      | 4.6  | 4.6  | 5.0  | 4.5  | 16.3 | 29.6 | 29.428.7 | 4.6  | 7.8  | 59.3 | 44.4 |      |      |
| 25      | 4.6  | 4.6  | 5.0  | 4.4  | 16.3 | 29.9 | 28.527.6 | 4.6  | 9.9  | 58.7 | 44.4 |      |      |
| 26      | 4.6  | 4.2  | 4.9  | 4.3  | 16.3 | 27.7 | 28.328.9 | 4.5  | 9.4  | 58.3 | 44.5 |      |      |
| 27      | 4.6  | 4.2  | 4.6  | 4.3  | 16.3 | 29.0 | 28.328.9 | 4.6  | 7.8  | 59.1 | 44.4 |      |      |
| 28      | 4.6  | 8.9  | 16.3 | 8.4  | 16.4 | 27.8 | 27.131.7 | 15.2 | 7.8  | 59.0 | 44.3 |      |      |
| 29      | 4.6  | 4.6  | 5.1  | 4.9  | 16.4 | 30.8 | 28.728.6 | 4.6  | 7.7  | 59.1 | 44.5 |      |      |
| 30      | 4.6  |      | 4.6  | 4.8  | 16.4 | 34.1 | 28.928.2 | 4.6  | 17.2 | 47.9 | 44.5 |      |      |
| 31      | 6.9  |      | 4.5  |      | 16.3 |      | 29.0     | 27.6 |      | 28.0 |      | 44.5 |      |
| Tot-MG  | 153  | 148  | 156  | 144  | 412  | 624  | 901      | 894  | 286  | 255  | 1376 | 1429 | 6777 |
| Ave-mgd | 4.95 | 5.0  | 4.8  | 13.3 | 20.8 | 29.1 | 28.8     | 9.5  | 8.2  | 45.9 | 46.1 |      | 18.5 |
| Min-mgd | 4.4  | 4.1  | 4.3  | 4.7  | 15.2 | 27.1 | 27.6     | 0.0  | 4.5  | 29.0 | 37.2 |      | 0.0  |
| Max-mgd | 10.0 | 10.1 | 16.3 | 8.4  | 16.4 | 34.1 | 34.1     | 32.4 | 28.7 | 28.0 | 59.9 | 59.4 | 59.9 |