
Interbasin Transfer Certificate 2024 Annual Report

Prepared for
Town of Cary
Town of Apex

Submitted to
North Carolina
Division of Water Resources

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SECTION 1

Introduction

On March 12, 2015, the North Carolina Environmental Management Commission (EMC) granted an interbasin transfer (IBT) certificate modification to the Towns of Cary and Apex (Towns) with transfer limits of 31 million gallons per day (mgd) from the Haw River basin to the Neuse River basin, and 2 mgd from the Haw River basin to the Cape Fear River basin, calculated as a daily average of a calendar month.

This 2024 Annual Report is specified in the Compliance and Monitoring Plan (Plan) approved by the North Carolina Division of Water Resources (NCDWR) on July 14, 2015 and revised March 9, 2018. The schedule for reporting on IBT certificate compliance is provided in the Plan and repeated below.

TABLE 1-1

Interbasin Transfer Compliance Monitoring and Reporting

Description ^a		Comments
IBT Limits	Daily average of a calendar month:	Daily average IBT is calculated daily and reported in the Annual IBT Report.
	- 31 mgd Haw to Neuse	IBT calculated as the daily average of a calendar month reported on the Town of Cary website quarterly and in the Annual IBT Report.
	- 2 mgd Haw to Cape Fear	The percentages of water use in each basin, summarized historically, and set for calculating daily IBT for the next year will be reported in the Annual IBT Report.
Condition 1	Water Conservation Plan	Initial submittal to NCDWR by June 10, 2015, and then revised as needed to obtain NCDWR approval. Updates, if necessary, will be provided to NCDWR in the Towns' respective Secondary and Cumulative Impacts Master Management Plan biennial updates. Water Conservation Plan will always be available on the Town of Cary website. Status of the plan will be included in the Annual IBT Report.
Condition 2	Drought Management Plan	Initial submittal to NCDWR by June 10, 2015, and then revised as needed to obtain NCDWR approval. Updates will be provided to NCDWR as needed. Drought Management Plan will always be available on the Town of Cary website. Status of the plan will be included in the Annual IBT Report.
Condition 3	IBT Compliance and Monitoring Plan	Initial submittal to NCDWR by June 10, 2015, and then revised as needed to obtain NCDWR approval. A revised submittal on March 9, 2018, following the modification of the 2015 IBT certificate, added condition 9. IBT Compliance and Monitoring Plan will always be available on the Town of Cary website. Status of the plan will be included in the Annual IBT Report.
Condition 4	EMC Consideration of Alternative Sources	No reporting necessary.
Condition 5	EMC Consideration of Future Water Demand	No reporting necessary.
Condition 6	Resale of Transferred Water	Included in the Annual IBT Report.
Condition 7	EMC Consideration of Impacts	No reporting necessary.
Condition 8	Intake Access	Included in the Annual IBT Report.
Condition 9	Required Discharge	Included in the Annual IBT Report

^a Certificate conditions are described in Section 4.

To meet the annual reporting requirements of the Plan, the following sections of this 2024 Annual Report include:

- Status of compliance with IBT certificate limits.
- Summary of historical water withdrawals, reclaimed water usage, wastewater discharges and IBT for the January to December calendar years beginning with 2015.
- Table of calculated daily average of calendar month IBT amounts for the 2024 reporting year.
- Summary of amount of water used during 2015 to 2024 by customers in the Neuse River, Haw River, and Cape Fear River basins for use in determining the distribution of consumptive uses among the basins. Based on the amount of water used in each basin for the previous year, the distribution of consumptive use by basin in the following calendar year will be determined and documented.
- Discharge Report, documenting Required Discharge and Actual Discharge.
- Status of compliance with IBT certificate conditions.

Appendix A is a table of daily Jordan Lake water supply allocation raw water withdrawals for Cary/Apex, Morrisville and Wake County/RTP South for January 1 to December 31 of the 2024 reporting year.

Appendix B is a table of calculated daily IBT amounts for January 1 to December 31 of the 2024 reporting year.

Appendix C is a table of monthly billed water use for Cary/Apex for the 2024 reporting year from the Towns' billing database.

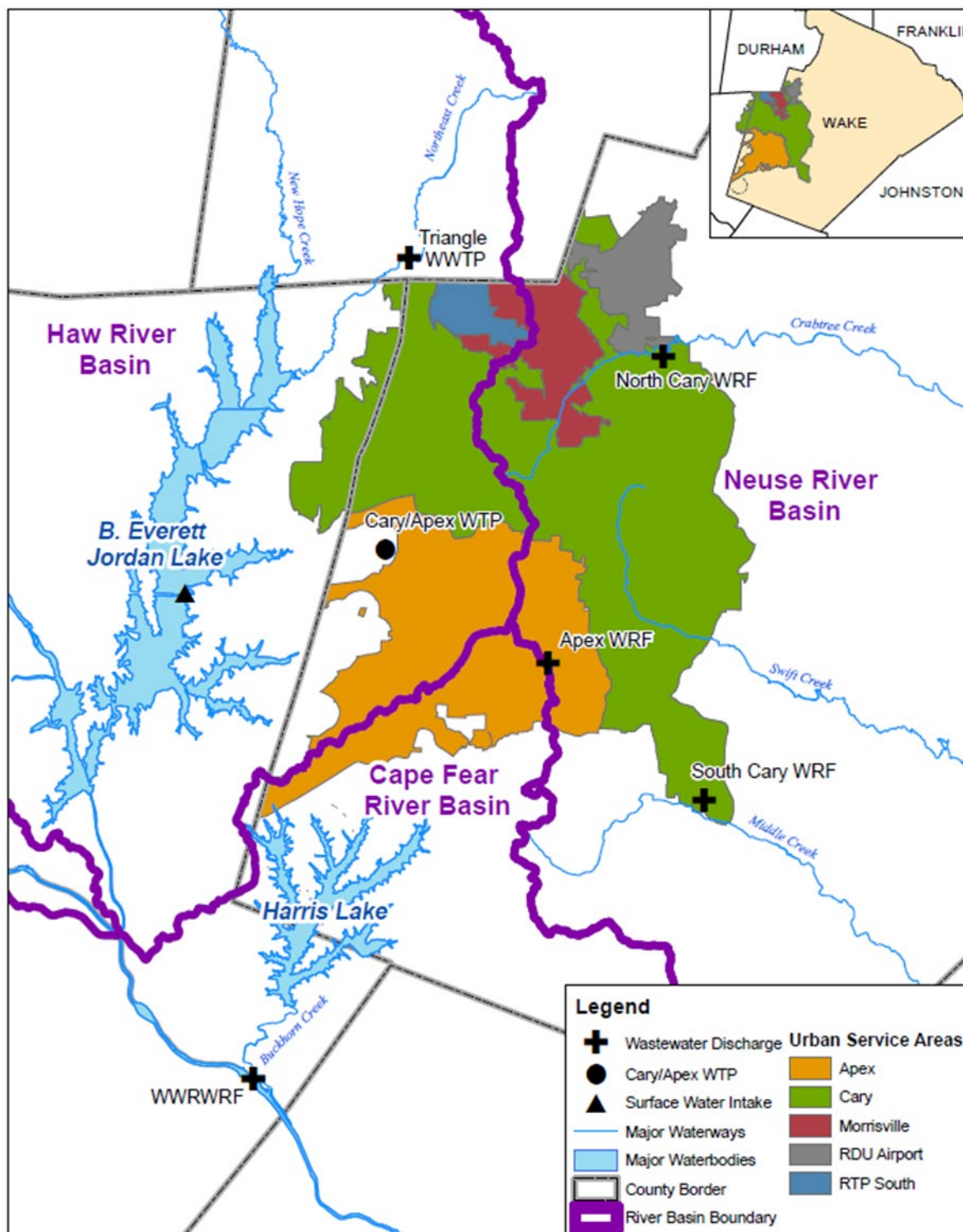
Appendix D is the performance indicator and water balance output from the Town of Cary's AWWA M36 Water Audit analysis performed for fiscal year 2024. The percentage non-revenue water is used in the discharge report to determine Neuse Demand.

Appendix E is a table of the actual discharge to the Cape Fear River Basin from Western Wake Regional Water Reclamation Facility (WWRWRF) and other discharges such as the Durham County Triangle Wastewater Treatment Plant for January 1 to December 31 of the 2024 reporting year.

SECTION 2

Withdrawals, Discharges and Interbasin Transfers

The Towns' service areas include Cary, Apex, Morrisville, RDU Airport and RTP South (the Wake County portion of Research Triangle Park). Because the Towns' water system service areas straddle the ridge lines between interbasin transfer (IBT) basins, water is transferred via wastewater discharge, potable water consumptive use, or reclaimed water consumptive use. The combined IBT amount from the communities served is calculated on a daily basis.



2.1 IBT Certificate Limits

The Towns' IBT certificate limits transfers to 31 million gallons per day (mgd) from the Haw River basin to the Neuse River basin, and to 2 mgd from the Haw River basin to the Cape Fear River basin, calculated as a daily average of a calendar month.

During calendar year 2024, the Towns were in compliance with the monthly IBT certificate limits. The peak month transfer from the Haw River basin to the Neuse River basin was 17.0 mgd (55% of certificate limit) which occurred during June 2024. The peak month transfer from the Haw River basin to the Cape Fear River basin was 0.17 mgd (8% of certificate limit) which occurred during June 2024.

Daily IBT estimates for the Towns are found in Appendix B. Monthly average daily IBT estimates are found in section 2.3.

2.2 Summary of Water Withdrawals, Discharges and IBT

The Towns of Cary and Apex are co-owners of the Cary/Apex Water Treatment Facility which has its raw water intake in Jordan Lake. Cary/Apex, Morrisville and Wake County (for the portion of RTP within that county) each hold allocations of Jordan Lake water supply storage. Daily tracking of raw water withdrawals from Jordan Lake for the allocation holders for the period January 1, 2024 through December 31, 2024 is found in Appendix A.

The average daily withdrawal for the Towns was 26.6 mgd during 2024 (Table 2-1). Raw water withdrawals for Cary (including Morrisville and RTP South) and Apex by calendar year beginning with 2015 are summarized in Table 2-1. The withdrawals in Table 2-1 do not include withdrawals for intake access. The City of Durham accessed its Jordan Lake water allocation through the Cary/Apex Water Treatment Facility for 0 days during calendar year 2024.

Table 2-1	
Summary of Average Annual Jordan Lake Withdrawals ¹	
Year	Average Annual Withdrawal (mgd)
2015	21.2
2016	22.3
2017	22.9
2018	23.0
2019	24.0
2020	24.0
2021	26.1
2022	26.4
2023	26.9
2024	26.6
1. Withdrawals from Jordan Lake at the Cary/Apex raw water intake. Includes water use by Apex, Cary, Morrisville and RTP South. Does not include water use by Durham.	

The Town of Cary owns and operates the North Cary and South Cary Water Reclamation Facilities (NCWRF and SCWRF) which discharge to Crabtree Creek and Middle Creek, respectively. The Town of Apex owns and operates the Apex Water Reclamation Facility (AWRF) which discharges to Middle Creek. The Towns co-own the Western Wake Regional Water Reclamation Facility (WWRWRF) which discharges to the Cape Fear River. Process water from the CAWTF is discharged to a tributary of Jordan Lake. The Town of Cary also has the ability to discharge wastewater to the Durham County Triangle Wastewater Treatment Plant (Durham Co.) which discharges to a tributary of Jordan Lake. The Town did not utilize this ability in 2024.

Average annual wastewater discharges for Cary and Apex beginning with 2015, identified by receiving basin, are summarized in Table 2-2.

Table 2-2							
Summary of Average Annual Wastewater Discharges							
Year	CAWTF Discharge (mgd)	Wastewater Conveyed to Durham Co. WWTP (mgd)	WWRWRF Discharge (mgd)	NCWRF Discharge (mgd)	SCWRF Discharge (mgd)	AWRF Discharge (mgd)	Total (mgd)
	Haw	Haw	Cape Fear	Neuse	Neuse	Neuse	
2015	3.3	0.02	4.6	6.0	5.3	1.2	20.4
2016	4.0	0	4.9	5.7	5.4	1.1	21.1
2017	3.8	0.48	4.5	5.9	4.7	1.1	20.5
2018	3.2	0.01	5.5	6.3	5.0	1.3	21.3
2019	3.0	0.00	5.6	6.2	5.1	1.3	21.2
2020	3.4	0.09	6.3	6.2	5.3	1.3	22.6
2021	3.9	0	6.7	6.2	5.4	1.2	23.4
2022	3.7	0	6.6	6.1	5.0	1.2	22.6
2023	3.7	0.09	6.9	6.1	5.2	1.3	23.3
2024	3.7	0.00	7.3	6.4	5.3	1.2	23.9

The NCWRF and SCWRF produce reclaimed water which is used at each plant, pumped through distribution systems to customers and dispensed in bulk. The WWRWRF produces reclaimed water which is used at the plant and dispensed in bulk. The Town of Cary purchases reclaimed water from the Durham Co. TWWTP for distribution to customers in its western service area.

Reclaimed water flows for Cary and Apex for calendar years beginning with 2015 are summarized in Table 2-3.

Table 2-3				
Summary of Reclaimed Water Flows				
Year	NCWRF ¹ Reclaimed Water (mgd)	SCWRF ¹ Reclaimed Water (mgd)	WWRWRF ² Reclaimed Water (mgd)	Reclaimed Water Purchased from Durham Co. TWWTP (mgd)
2015	0.58	0.44	0.55	0.18
2016	0.57	0.38	0.85	0.20
2017	0.57	0.40	0.97	0.24
2018	0.52	0.38	0.83	0.23
2019	0.52	0.39	0.83	0.20
2020	0.49	0.29	1.00	0.27
2021	0.49	0.14	1.17	0.27
2022	0.47	0.26	1.26	0.28
2023	0.56	0.21	1.19	0.20
2024	0.38	0.30	1.44	0.39
¹ includes distributed, bulk, and plant use				
² includes bulk and plant use				

Interbasin transfers for Cary and Apex for each calendar year beginning with 2015 are summarized in Table 2-4. Annual average day withdrawals from the Haw Basin are quantified as (1) returned to Haw subbasin, (2) transferred to Neuse subbasin, (3) returned to Cape Fear subbasin or (4) transferred to Cape Fear subbasin.

Table 2-4					
Summary of Average Annual Interbasin Transfers for Cary and Apex					
		Haw to Neuse		Haw to Cape Fear	
Year	Haw Basin Withdrawal (mgd)	Return to Haw Basin (mgd)	Haw-to-Neuse Interbasin Transfer (mgd)	Return to Cape Fear Basin (mgd)	Haw-to-Cape Fear Interbasin Transfer (mgd)
2015	21.2	4.3	12.9	4.0	0.03
2016	22.3	4.9	12.9	4.5	0
2017	22.9	5.4	13.2	4.2	0.05
2018	23.0	4.5	13.5	5.0	0.04
2019	24.0	4.5	14.3	5.2	0.06
2020	24.0	4.7	13.5	5.8	0.04
2021	26.1	5.6	14.3	6.2	0.05
2022	26.4	5.7	14.4	6.3	0.06
2023	26.9	5.6	14.7	6.6	0.06
2024	26.6	5.6	14.2	6.8	0.06

2.3 Monthly IBT

Daily IBT is calculated based on a combination of meter data and assumptions, as defined in Section 2 of the Compliance and Monitoring Plan. Daily IBT data are then used to calculate the IBT certificate compliance metric – IBT calculated as the daily average of a calendar month.

Table 2-5 provides daily average interbasin transfers for each calendar month in 2024.

Table 2-5		
Monthly IBT for Calendar Year 2024		
Month	Average Daily IBT from Haw to Neuse (mgd)	Average Daily IBT from Haw to Cape Fear (mgd)
January	12.4	0.02
February	12.2	0.02
March	12.7	0.02
April	13.6	0.04
May	14.1	0.06
June	17.0	0.17
July	15.3	0.10
August	16.0	0.10
September	15.7	0.07
October	15.4	0.09
November	13.4	0.05
December	12.3	0.02
Certificate Limit	31.0	2.00
Max Month	June	June
Max Month IBT	17.0	0.17
Maximum % of Limit	55%	8%

SECTION 3

Consumptive Use by Basin

The average daily consumptive use was 17.3% for the period January 1, 2024 through December 31, 2024. Consumptive use has ranged between 10% and 23.5% since 2000. Historical consumptive use for each calendar year beginning with 2015 is shown in Table 3-1.

Table 3-1			
Historical Consumptive Use for Cary and Apex			
Year	Average Daily Finished Water Demand (mgd)	Average Daily Consumptive Use (mgd)	% Consumptive Use
2015	18.0	2.6	14.4%
2016	18.7	2.5	13.3%
2017	19.5	3.4	17.2%
2018	20.0	3.0	15.0%
2019	21.2	4.0	18.9%
2020	20.9	2.6	12.6%
2021	20.6	1.2	16.7%
2022	23.0	4.1	18.1%
2023	23.3	4.2	17.9%
2024	23.3	4.0	17.3%

Cary and Apex track historical use by assigning a subbasin to each customer. The distribution of consumptive uses between the Haw, Cape Fear, and Neuse River subbasins for 2024 was estimated based on the previous year's water use in each basin as determined by billing records for Cary and Apex.

During 2024, based on 2023 billing records, it was assumed that 38.6% of water use occurred in the Haw subbasin, 1.5% of water use occurred in the Cape Fear subbasin, and 59.9% of water use occurred in the Neuse River subbasin. During 2025, based on 2024 billing records, it will be assumed that 37.8% of their water use will occur in the Haw subbasin, 1.8% of their water use will occur in the Cape Fear subbasin, and 60.4% of water use will occur in the Neuse River subbasin.

Table 3-2 shows the combined water use for Cary (including Morrisville and RTP South) and Apex, and the percentage water use in the Haw, Cape Fear, and Neuse River subbasins. The table also shows the Haw and Cape Fear use percentages that will be used for 2024 calculations.

Table 3-2							
Historic Water Use by Subbasin for Cary (including Morrisville and RTP South) and Apex (Annual Average Day)							
Year	Total Billed Water Use (mgd)	Haw Subbasin		Cape Fear Subbasin		Neuse Subbasin	
		Billed Water Use (mgd)	Percent Use	Billed Water Use (mgd)	Percent Use	Billed Water Use (mgd)	Percent Use
2014	14.57	4.27	29.3%	0.17	1.2%	10.13	69.5%
2015	15.06	4.47	29.7%	0.21	1.4%	10.38	68.9%
2016	15.24	4.52	29.7%	0.25	1.6%	10.47	68.7%
2017	16.93	5.52	32.6%	0.23	1.4%	11.18	66.0%
2018	16.94	5.70	33.6%	0.23	1.4%	11.01	65.0%
2019	18.16	6.32	34.8%	0.24	1.3%	11.60	63.9%
2020	17.51	6.49	37.0%	0.25	1.4%	10.78	61.6%
2021	18.69	7.09	37.9%	0.25	1.4%	11.35	60.7%
2022	18.99	7.18	37.8%	0.26	1.4%	11.54	60.8%
2023	19.43	7.49	38.6%	0.3	1.5%	11.64	59.9%
2024	19.34	7.31	37.8%	0.34	1.8%	11.69	60.4%
Percentages to be used for 2025 IBT calculations			37.8%		1.8%		

Discharge Report

The following is addressed in this section as required by Condition 9 of the 2015 IBT certificate modified by the North Carolina EMC in March 2018, and as defined by the Compliance and Monitoring Plan revised in March 2018:

- Required Discharge
- Actual Discharge
- Compliance Evaluation

Data supporting the computation of Neuse Basin Demand, Required Discharge and Actual Discharge are outlined in the following sections. If mitigation measures are required, they would be included in this section as well.

4.1 Neuse Basin Demand and Required Discharge

Neuse Basin Demand is the three-year running annual average daily amount of all finished water supplied from sources within the Haw River (2-1) and Cape Fear River (2-3) Basins, for the three preceding calendar years. Neuse Basin Demand is the sum of both billed and unbilled use by the Towns in the Neuse River Basin (10-1).

Billed potable water use is quantified from the Town of Apex and Town of Cary water meter and billing databases. Unbilled amounts of finished water are quantified as a percentage of billed water use. The percentage of non-revenue water is calculated on a system-wide basis for the Towns on a yearly basis using procedures detailed in AWWA's M36 Water Audits and Loss Control Programs publication.

Table 4-1 is a summary of the Neuse Basin demand and required discharge calculations. The total Neuse Basin demand value for 2016 was stipulated in the IBT certificate, modified by the EMC on March 8, 2018. Appendix C is a summary of the monthly billed water use for Cary and Apex. Appendix D is the output of Town of Cary's AWWA M36 Water audit for fiscal year 2024. The non-revenue water percentage in Appendix D is assumed representative of both Cary and Apex systems. The Neuse Basin treated water purchases summarized in Table 4-1 are identified on a daily basis in Appendix B.

Table 4-1							
Neuse Basin Demand Calculation Table and Required Discharge							
	Cary Billed Neuse Basin Water Use (mgd)¹	Apex Billed Neuse Basin Water Use (mgd)¹	Total Neuse Basin Billed Water Use (mgd)	Water Audit Unbilled Water %²	Neuse Basin Usage, with unbilled use (mgd)³	Neuse Basin Purchases (mgd)⁴	Total Neuse Basin Demand (mgd)⁵
2016	-	-	-	-	-	-	11.10
2017	10.16	1.02	11.18	10.2 %	12.32	0.35	11.98
2018	9.98	1.03	11.01	13.0%	12.44	0.24	12.21
2019	10.05	1.10	11.15	15.9%	12.92	0.20	12.72
2020	9.65	1.12	10.78	13.6%	12.24	0.27	11.97
2021	10.14	1.21	11.35	16.5%	13.23	0.27	12.96
2022	10.28	1.26	11.54	18.2%	13.65	0.31	13.34
2023	10.35	1.29	11.64	16.3%	13.54	0.20	13.34
2024	10.47	1.22	11.69	16.9%	13.66	0.39	13.27
3 year Running Average of Neuse Basin Demand							13.32
Required Discharge (3 year Running Average of Neuse Basin Demand – 9.756)							3.56

¹ From monthly billed water use (Appendix C)

² From AWWA M36 Water Audit (Appendix D)

³ Neuse Basin Usage = Neuse Billed Water Use + (System-wide Non-Revenue Water % * Neuse Billed Water Use)

⁴ From Appendix B columns (2), (3) and (4) which includes Durham County reclaimed water and purchases from Durham or Raleigh

⁵ Neuse Basin Demand = Neuse Basin Usage – Neuse Purchases

4.2 Actual Discharge

“Actual Discharge” is the three-year running annual average daily amount (in mgd) for the three preceding calendar years of treated wastewater that the Towns of Cary and Apex actually discharge to the Haw River Basin and Cape Fear River Basin receiving waters, without regard to which Town of Cary or Apex treatment facilities (whether by ownership or third-party contract) from which the treated wastewater is discharged.

In 2024 the Towns of Cary and Apex discharged highly-treated wastewater effluent to the Cape Fear River Basin via the Western Wake Regional WRF (WWRWRF). Treated wastewater discharges to Durham County did not occur in 2024.

Figure 4-1 below shows the Towns' daily Cape Fear River Basin discharges from WWRWRF for 2024. Supporting data is found in Appendix E.

Figure 4-1
Cape Fear River Basin Actual Treated Wastewater Discharges

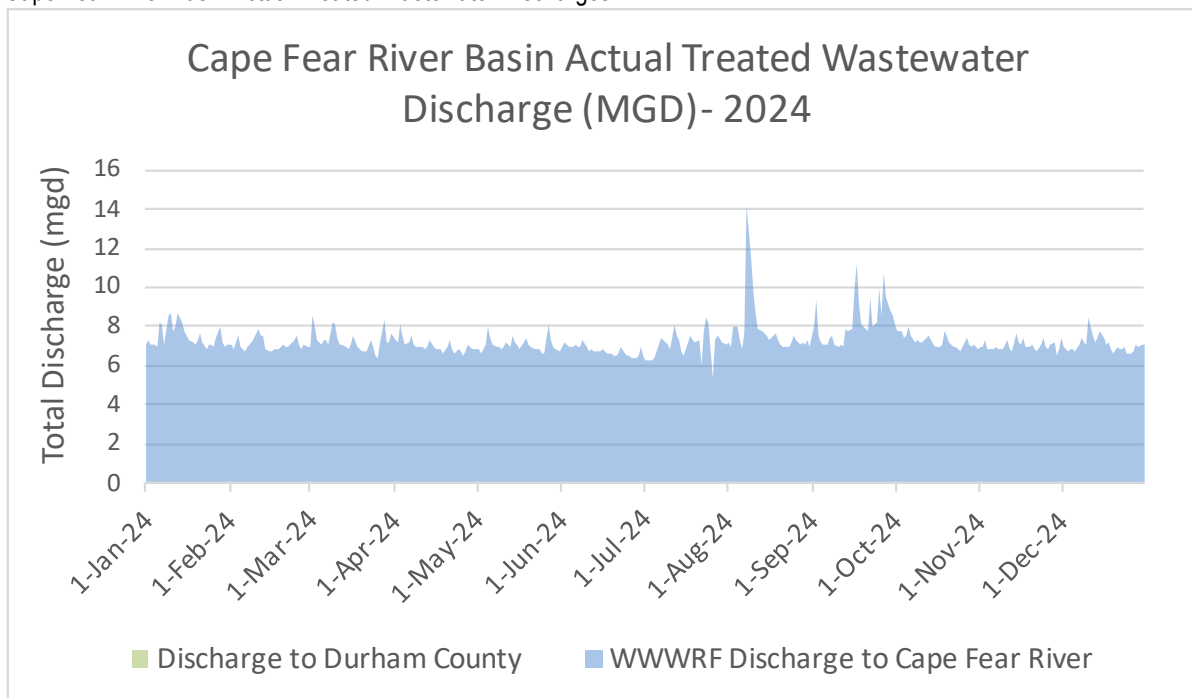


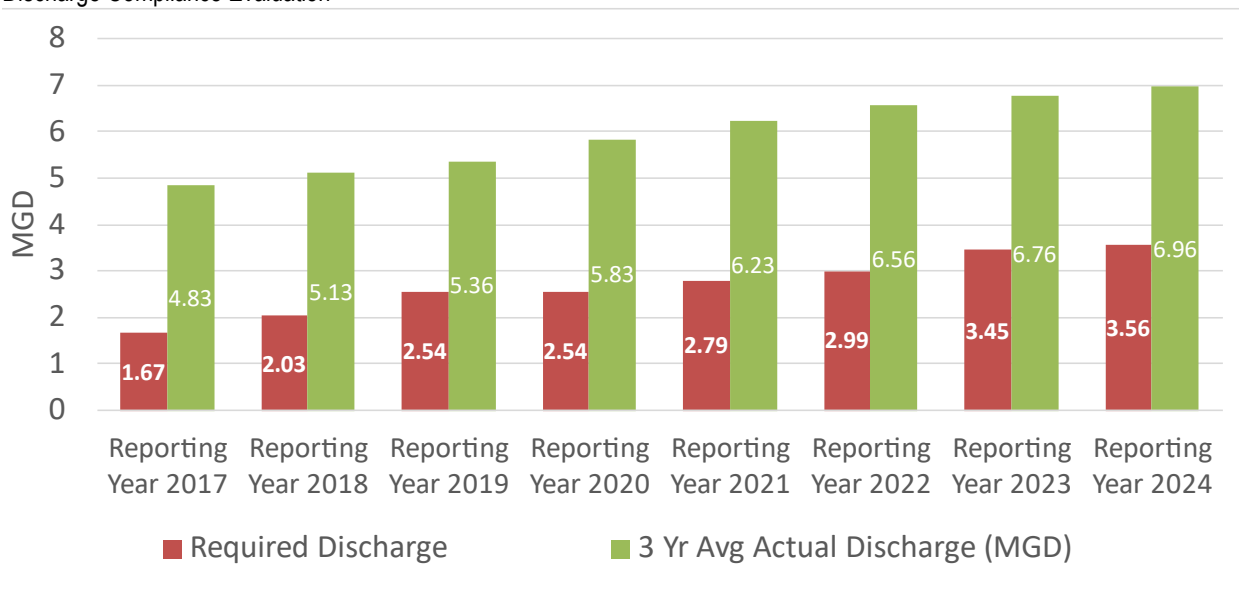
Table 4-2 shows the Towns' discharges to the Cape Fear River Basin beginning with 2016 and the 3-year running average for the reporting year 2024 which is compared to the required discharge to determine compliance.

Table 4-2			
Actual Discharge Calculation Table - Cape Fear River Basin			
	Western Wake Regional WRF (Average Day Discharge)	Other Treated Wastewater Discharges	Total Actual Discharge (mgd)
2016	4.9	0.00	4.90
2017	4.5	0.48	4.98
2018	5.5	0.01	5.51
2019	5.6	0	5.60
2020	6.3	0.09	6.39
2021	6.7	0	6.7
2022	6.6	0	6.6
2023	6.9	0.09	6.99
2024	7.3	0	7.3
3 year running average			6.96

4.3 Compliance Evaluation

For 2024, Cary and Apex's 3-year running average of actual discharge to the Cape Fear (6.96 mgd) exceeded the required discharge (3.56 mgd) by 3.4 mgd. Figure 4-2 shows the compliance evaluation starting with reporting year 2017.

Figure 4-2
Discharge Compliance Evaluation



The Towns are in compliance with condition 9 of the 2015 IBT certificate modified by the North Carolina EMC in March 2018. The Towns will continue to monitor required discharge and will comply with reporting requirements.

If required in a future year, this section would discuss mitigation measures and temporary compliance solutions undertaken by the Towns of Cary and Apex in the prior calendar year, the estimated impact of each such measure, and all data supporting each estimated impact.

SECTION 5

Interbasin Transfer Certificate Conditions

In accordance with the Compliance and Monitoring Plan, the status of the additional eight conditions that the Towns must meet in order to maintain compliance with the IBT certificate are reported annually. The IBT certificate conditions and their status during the 2024 calendar year are as follows.

1. **Water Conservation Plan** – Within 90 days of receipt of the IBT certificate, the Towns are required to submit a water conservation plan subject to approval by the North Carolina Division of Water Resources (NCDWR) that specifies the water conservation measures that will be implemented by the Towns to ensure the efficient use of the transferred water.

STATUS: The Water Conservation Plan was approved by NCDWR on July 14, 2015 and is available on the Town of Cary website (<http://www.townofcary.org/home/showdocument?id=9609>) . There were no updates during calendar year 2024.

2. **Drought Management Plan** – Within 90 days of receipt of the IBT certificate, the Towns are required to submit a drought management plan subject to approval by the NCDWR that specifies how the transfer will be managed to protect the source river basin (Haw River basin) during drought conditions or other emergencies that occur within the source river basin.

STATUS: The Drought Management Plan was approved by NCDWR on July 14, 2015 and is available on the Town of Cary website (<http://www.townofcary.org/home/showdocument?id=9607>). An update was approved by NCDWR on August 17, 2015 to update the Town of Cary's approved Water Shortage Response Plan. Those minor updates were to make the Water Shortage Response Plan consistent with changes in the Town's organizational structure, changes in Town Council procedures, and changes in utility billing procedures. There were no updates during calendar year 2024.

3. **Compliance and Monitoring Plan** – Within 90 days of receipt of the IBT certificate, the Towns are required to submit a quarterly compliance and monitoring plan subject to approval by the NCDWR.

STATUS: The Compliance and Monitoring Plan was approved by NCDWR on July 14, 2015. The plan was revised on March 9, 2018 following the modification of the 2015 IBT certificate to add condition 9. The current plan is available on the Town of Cary website. (<http://www.townofcary.org/home/showdocument?id=19727>).

4. **EMC Consideration of Alternative Sources** – The EMC may reopen and amend the maximum amount of the IBT authorized if it appears that an alternative source of water is available to the Towns within the receiving basin (Neuse River basin).

STATUS: No reporting is necessary.

5. **EMC Consideration of Future Water Demands** – The EMC may reopen and amend the certificate if it is determined that the Towns' actual future water needs are significantly less than the projected water needs at the time the certificate was granted.

STATUS: No reporting is necessary.

6. **Resale of Transferred Water** – The Towns shall not resell the water that would be transferred pursuant to the IBT certificate to another public water system.

STATUS: There were no resales of transferred water by the Towns during calendar year 2024

7. **EMC Consideration of Impacts** – The EMC may reopen the certificate and amend existing or require new conditions to ensure detrimental impacts are mitigated if environmental impacts are found to be substantially different from those on which the EMC's Findings of Fact were based.

STATUS: No reporting is necessary.

8. **Intake Access** – The Towns shall be required to provide access at their existing intake site to other Jordan Lake water allocation holders that need access to utilize their allocations to the extent that this additional use is determined to be feasible by the NCDWR.

STATUS: The Town of Cary has continued to provide retail water service to RTP South and the Town of Morrisville. Chatham County has continued to access its allocation through the Cary/Apex raw water intake. The City of Durham accessed its Jordan Lake water allocation through the Cary/Apex Water Treatment Facility for 0 days during calendar year 2024.

9. **Required Discharge** – The Towns shall discharge to the Cape Fear River Basin and Haw River Basin receiving waters a calendar year average daily treated wastewater discharge (“Required Discharge”) calculated as:

$$\text{Required Discharge} = \text{Neuse Basin Demand} - 9.756 \text{ million gallons per day (mgd)}$$

Neuse Basin Demand is defined as the 3-year running annual average daily amount for the 3 preceding calendar years of all finished water supplied from sources within the Haw River and Cape Fear River Basins, including both billed and unbilled amounts, expressed in mgd, used by the Towns of Cary and Apex in the Neuse River Basin. Unbilled amounts of finished water use are to be quantified following the procedures of AWWA’s Manual of Practice M36, *Water Audits and Loss Control Programs*.

“Actual Discharge” is the three-year running annual average daily amount (in mgd) for the three preceding calendar years of treated wastewater that the Towns of Cary and Apex actually discharge to the Haw River Basin and Cape Fear River Basin receiving waters, without regard to which Town of Cary or Apex treatment facilities (whether by ownership or third-party contract) from which the treated wastewater is discharged.

STATUS: The Towns of Cary and Apex “Actual Discharge” was greater than the “Required Discharge” for the reporting year 2024.

Appendices

- A Daily Jordan Lake Water Supply Raw Water Withdrawals
- B Daily IBT Amounts
- C Monthly Billed Water Use
- D AWWA M36 Water Audit Summary
- E Cape Fear River Basin Discharge

APPENDIX A - Daily Jordan Lake Water Supply Raw Water Withdrawals
Jordan Lake Water Supply Storage Allocation Tracking
Cary/Apex, Morrisville, and Wake County/RTP South COMBINED

Date	Reservoir Level (ft)	Cary/Apex/Morrisville/RTP Water Supply (mgd)	Cary/Apex/Morrisville/RTP Water Supply (cfs)	Inflow to Cary/Apex/Morrisville/RTP (cfs)	Cary/Apex/Morrisville/RTP Storage Level (ac-ft)	Cary/Apex/Morrisville/RTP Storage Level (%)
1/1/2024	219.04	21.99	34.02	34.0	21,160	100.00%
1/2/2024	218.84	22.75	35.19	35.2	21,160	100.00%
1/3/2024	218.34	21.74	33.63	33.6	21,160	100.00%
1/4/2024	217.66	22.54	34.87	34.9	21,160	100.00%
1/5/2024	217.01	24.44	37.81	37.8	21,160	100.00%
1/6/2024	216.49	22.47	34.76	34.8	21,160	100.00%
1/7/2024	216.59	21.68	33.54	33.5	21,160	100.00%
1/8/2024	216.54	22.09	34.17	34.2	21,160	100.00%
1/9/2024	218.05	22.86	35.36	35.4	21,160	100.00%
1/10/2024	223.09	22.94	35.49	1,698.0	21,160	100.00%
1/11/2024	224.47	23.46	36.29	1,698.8	21,160	100.00%
1/12/2024	224.85	21.26	32.89	32.9	21,160	100.00%
1/13/2024	226.32	20.81	32.19	1,694.7	21,160	100.00%
1/14/2024	226.34	22.86	35.36	35.4	21,160	100.00%
1/15/2024	225.91	22.56	34.90	34.9	21,160	100.00%
1/16/2024	225.27	22.05	34.11	34.1	21,160	100.00%
1/17/2024	224.43	21.79	33.71	33.7	21,160	100.00%
1/18/2024	223.54	22.13	34.24	34.2	21,160	100.00%
1/19/2024	222.58	24.60	38.06	38.1	21,160	100.00%
1/20/2024	221.60	21.80	33.72	33.7	21,160	100.00%
1/21/2024	220.55	21.93	33.93	33.9	21,160	100.00%
1/22/2024	219.47	23.19	35.87	35.9	21,160	100.00%
1/23/2024	218.47	21.76	33.66	33.7	21,160	100.00%
1/24/2024	217.63	24.11	37.30	37.3	21,160	100.00%
1/25/2024	216.96	22.96	35.52	35.5	21,160	100.00%
1/26/2024	216.76	22.30	34.50	34.5	21,160	100.00%
1/27/2024	216.90	21.28	32.92	32.9	21,160	100.00%
1/28/2024	218.70	23.17	35.84	1,698.4	21,160	100.00%
1/29/2024	219.47	23.45	36.28	36.3	21,160	100.00%
1/30/2024	219.36	22.14	34.25	34.3	21,160	100.00%
1/31/2024	219.00	21.88	33.85	33.8	21,160	100.00%
2/1/2024	218.49	20.97	32.44	32.4	21,160	100.00%
2/2/2024	218.01	24.14	37.34	37.3	21,160	100.00%
2/3/2024	217.57	21.90	33.88	33.9	21,160	100.00%
2/4/2024	217.10	22.14	34.25	34.3	21,160	100.00%
2/5/2024	216.70	21.97	33.99	34.0	21,160	100.00%
2/6/2024	216.50	22.07	34.14	34.1	21,160	100.00%
2/7/2024	216.35	24.05	37.21	37.2	21,160	100.00%
2/8/2024	216.32	22.61	34.98	35.0	21,160	100.00%
2/9/2024	216.33	22.91	35.44	35.4	21,160	100.00%
2/10/2024	216.37	21.53	33.31	33.3	21,160	100.00%
2/11/2024	216.40	22.42	34.68	34.7	21,160	100.00%
2/12/2024	216.67	23.06	35.67	35.7	21,160	100.00%
2/13/2024	216.98	21.82	33.76	33.8	21,160	100.00%
2/14/2024	216.99	22.14	34.25	34.3	21,160	100.00%
2/15/2024	216.91	20.89	32.32	32.3	21,160	100.00%

APPENDIX A - Daily Jordan Lake Water Supply Raw Water Withdrawals
Jordan Lake Water Supply Storage Allocation Tracking
Cary/Apex, Morrisville, and Wake County/RTP South COMBINED

Date	Reservoir Level (ft)	Cary/Apex/Morrisville/RTP Water Supply (mgd)	Cary/Apex/Morrisville/RTP Water Supply (cfs)	Inflow to Cary/Apex/Morrisville/RTP (cfs)	Cary/Apex/Morrisville/RTP Storage Level (ac-ft)	Cary/Apex/Morrisville/RTP Storage Level (%)
2/16/2024	216.82	23.78	36.79	36.8	21,160	100.00%
2/17/2024	216.82	22.19	34.33	34.3	21,160	100.00%
2/18/2024	216.71	20.60	31.87	31.9	21,160	100.00%
2/19/2024	216.65	22.05	34.11	34.1	21,160	100.00%
2/20/2024	216.58	22.03	34.08	34.1	21,160	100.00%
2/21/2024	216.47	23.13	35.78	35.8	21,160	100.00%
2/22/2024	216.32	22.30	34.50	34.5	21,160	100.00%
2/23/2024	216.31	22.60	34.96	35.0	21,160	100.00%
2/24/2024	216.30	20.47	31.67	31.7	21,160	100.00%
2/25/2024	216.27	23.10	35.74	35.7	21,160	100.00%
2/26/2024	216.24	22.78	35.24	35.2	21,160	100.00%
2/27/2024	216.19	21.98	34.00	34.0	21,160	100.00%
2/28/2024	216.23	21.72	33.60	33.6	21,160	100.00%
2/29/2024	216.31	20.77	32.13	32.1	21,160	100.00%
3/1/2024	216.46	23.02	35.61	35.6	21,160	100.00%
3/2/2024	217.57	21.48	33.23	33.2	21,160	100.00%
3/3/2024	218.36	22.09	34.17	34.2	21,160	100.00%
3/4/2024	218.47	24.32	37.62	37.6	21,160	100.00%
3/5/2024	217.98	23.07	35.69	35.7	21,160	100.00%
3/6/2024	217.42	25.26	39.08	39.1	21,160	100.00%
3/7/2024	216.85	23.85	36.90	36.9	21,160	100.00%
3/8/2024	216.67	25.27	39.09	39.1	21,160	100.00%
3/9/2024	217.00	20.85	32.25	32.3	21,160	100.00%
3/10/2024	218.45	21.59	33.40	33.4	21,160	100.00%
3/11/2024	218.67	23.58	36.48	36.5	21,160	100.00%
3/12/2024	218.27	23.31	36.06	36.1	21,160	100.00%
3/13/2024	217.74	22.74	35.18	35.2	21,160	100.00%
3/14/2024	217.25	23.08	35.70	35.7	21,160	100.00%
3/15/2024	216.93	24.03	37.17	37.2	21,160	100.00%
3/16/2024	216.69	22.92	35.46	35.5	21,160	100.00%
3/17/2024	216.43	22.65	35.04	35.0	21,160	100.00%
3/18/2024	216.26	24.44	37.81	37.8	21,160	100.00%
3/19/2024	216.08	23.68	36.63	36.6	21,160	100.00%
3/20/2024	216.05	25.87	40.02	40.0	21,160	100.00%
3/21/2024	216.08	24.13	37.33	37.3	21,160	100.00%
3/22/2024	216.14	22.35	34.58	34.6	21,160	100.00%
3/23/2024	216.32	21.10	32.64	32.6	21,160	100.00%
3/24/2024	216.59	22.09	34.17	34.2	21,160	100.00%
3/25/2024	216.68	24.52	37.93	37.9	21,160	100.00%
3/26/2024	216.62	20.90	32.33	32.3	21,160	100.00%
3/27/2024	216.83	21.20	32.80	32.8	21,160	100.00%
3/28/2024	219.38	21.51	33.28	1,695.8	21,160	100.00%
3/29/2024	219.69	24.43	37.79	37.8	21,160	100.00%
3/30/2024	219.16	21.06	32.58	32.6	21,160	100.00%
3/31/2024	218.46	22.88	35.40	35.4	21,160	100.00%
4/1/2024	217.84	24.75	38.29	38.3	21,160	100.00%

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Jordan Lake Water Supply Storage Allocation Tracking
Cary/Apex, Morrisville, and Wake County/RTP South COMBINED

Date	Reservoir Level (ft)	Cary/Apex/Morrisville/RTP Water Supply (mgd)	Cary/Apex/Morrisville/RTP Water Supply (cfs)	Inflow to Cary/Apex/Morrisville/RTP (cfs)	Cary/Apex/Morrisville/RTP Storage Level (ac-ft)	Cary/Apex/Morrisville/RTP Storage Level (%)
4/2/2024	217.44	24.62	38.09	38.1	21,160	100.00%
4/3/2024	217.25	26.07	40.33	40.3	21,160	100.00%
4/4/2024	217.02	22.94	35.49	35.5	21,160	100.00%
4/5/2024	216.86	23.79	36.80	36.8	21,160	100.00%
4/6/2024	216.78	22.24	34.41	34.4	21,160	100.00%
4/7/2024	216.71	24.95	38.60	38.6	21,160	100.00%
4/8/2024	216.58	25.70	39.76	39.8	21,160	100.00%
4/9/2024	216.40	23.40	36.20	36.2	21,160	100.00%
4/10/2024	216.30	25.18	38.95	39.0	21,160	100.00%
4/11/2024	216.26	22.34	34.56	34.6	21,160	100.00%
4/12/2024	216.31	26.38	40.81	40.8	21,160	100.00%
4/13/2024	216.37	24.21	37.45	37.5	21,160	100.00%
4/14/2024	216.39	25.25	39.06	39.1	21,160	100.00%
4/15/2024	216.40	24.20	37.44	37.4	21,160	100.00%
4/16/2024	216.43	26.03	40.27	40.3	21,160	100.00%
4/17/2024	216.42	28.37	43.89	43.9	21,160	100.00%
4/18/2024	216.39	27.20	42.08	42.1	21,160	100.00%
4/19/2024	216.33	25.73	39.80	39.8	21,160	100.00%
4/20/2024	216.27	25.36	39.23	39.2	21,160	100.00%
4/21/2024	216.21	23.36	36.14	36.1	21,160	100.00%
4/22/2024	216.18	27.89	43.15	43.1	21,160	100.00%
4/23/2024	216.17	24.55	37.98	38.0	21,160	100.00%
4/24/2024	216.19	25.97	40.18	40.2	21,160	100.00%
4/25/2024	216.16	25.92	40.10	40.1	21,160	100.00%
4/26/2024	216.13	28.45	44.01	44.0	21,160	100.00%
4/27/2024	216.10	26.73	41.35	41.4	21,160	100.00%
4/28/2024	216.09	26.61	41.17	41.2	21,160	100.00%
4/29/2024	216.07	26.81	41.48	41.5	21,160	100.00%
4/30/2024	216.06	28.47	44.04	44.0	21,160	100.00%
5/1/2024	216.03	30.82	47.68	47.7	21,160	100.00%
5/2/2024	216.01	29.27	45.28	45.3	21,160	100.00%
5/3/2024	215.96	29.30	45.33	29.8	21,129	99.85%
5/4/2024	216.07	25.29	39.12	54.7	21,160	100.00%
5/5/2024	216.29	26.15	40.45	40.5	21,160	100.00%
5/6/2024	216.50	27.69	42.84	42.8	21,160	100.00%
5/7/2024	216.34	25.14	38.89	38.9	21,160	100.00%
5/8/2024	216.28	25.60	39.60	39.6	21,160	100.00%
5/9/2024	216.26	25.04	38.74	38.7	21,160	100.00%
5/10/2024	216.33	29.19	45.16	45.2	21,160	100.00%
5/11/2024	216.26	26.42	40.87	40.9	21,160	100.00%
5/12/2024	216.14	26.40	40.84	40.8	21,160	100.00%
5/13/2024	216.05	26.18	40.50	40.5	21,160	100.00%
5/14/2024	216.13	25.94	40.13	40.1	21,160	100.00%
5/15/2024	217.78	27.07	41.88	1,704.4	21,160	100.00%
5/16/2024	217.53	22.94	35.49	35.5	21,160	100.00%
5/17/2024	217.21	26.87	41.57	41.6	21,160	100.00%

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Jordan Lake Water Supply Storage Allocation Tracking
Cary/Apex, Morrisville, and Wake County/RTP South COMBINED

Date	Reservoir Level (ft)	Cary/Apex/Morrisville/RTP Water Supply (mgd)	Cary/Apex/Morrisville/RTP Water Supply (cfs)	Inflow to Cary/Apex/Morrisville/RTP (cfs)	Cary/Apex/Morrisville/RTP Storage Level (ac-ft)	Cary/Apex/Morrisville/RTP Storage Level (%)
5/18/2024	217.53	23.05	35.66	35.7	21,160	100.00%
5/19/2024	218.62	24.37	37.70	37.7	21,160	100.00%
5/20/2024	218.36	27.76	42.94	42.9	21,160	100.00%
5/21/2024	217.56	28.03	43.36	43.4	21,160	100.00%
5/22/2024	216.95	28.17	43.58	43.6	21,160	100.00%
5/23/2024	216.52	31.37	48.53	48.5	21,160	100.00%
5/24/2024	216.33	27.11	41.94	41.9	21,160	100.00%
5/25/2024	216.32	26.63	41.20	41.2	21,160	100.00%
5/26/2024	216.27	25.84	39.97	40.0	21,160	100.00%
5/27/2024	216.46	24.06	37.22	37.2	21,160	100.00%
5/28/2024	216.56	29.30	45.33	45.3	21,160	100.00%
5/29/2024	216.56	29.74	46.01	46.0	21,160	100.00%
5/30/2024	216.48	27.62	42.73	42.7	21,160	100.00%
5/31/2024	216.37	29.29	45.31	45.3	21,160	100.00%
6/1/2024	216.28	29.14	45.08	45.1	21,160	100.00%
6/2/2024	216.23	28.42	43.97	44.0	21,160	100.00%
6/3/2024	216.19	26.18	40.50	40.5	21,160	100.00%
6/4/2024	216.17	31.75	49.12	49.1	21,160	100.00%
6/5/2024	216.17	31.17	48.22	48.2	21,160	100.00%
6/6/2024	216.18	30.73	47.54	47.5	21,160	100.00%
6/7/2024	216.22	28.60	44.24	44.2	21,160	100.00%
6/8/2024	216.19	29.83	46.15	46.1	21,160	100.00%
6/9/2024	216.14	28.47	44.04	44.0	21,160	100.00%
6/10/2024	216.13	28.09	43.46	43.5	21,160	100.00%
6/11/2024	216.13	32.78	50.71	50.7	21,160	100.00%
6/12/2024	216.07	32.26	49.91	49.9	21,160	100.00%
6/13/2024	216.04	32.23	49.86	49.9	21,160	100.00%
6/14/2024	216.00	33.57	51.93	47.3	21,150	99.96%
6/15/2024	215.95	33.64	52.04	30.6	21,108	99.76%
6/16/2024	215.86	31.40	48.58	-25.5	20,961	99.06%
6/17/2024	215.80	32.90	50.90	7.7	20,875	98.66%
6/18/2024	215.71	33.91	52.46	-20.3	20,731	97.97%
6/19/2024	215.65	35.23	54.50	10.9	20,644	97.56%
6/20/2024	215.57	35.01	54.16	-9.6	20,518	96.97%
6/21/2024	215.49	34.66	53.62	-9.9	20,392	96.37%
6/22/2024	215.39	36.66	56.71	-30.1	20,219	95.56%
6/23/2024	215.28	35.94	55.60	-40.5	20,029	94.66%
6/24/2024	215.24	37.62	58.20	31.9	19,977	94.41%
6/25/2024	215.13	36.24	56.06	-40.4	19,785	93.51%
6/26/2024	215.02	39.91	61.74	-39.8	19,584	92.55%
6/27/2024	214.97	35.96	55.63	22.5	19,518	92.24%
6/28/2024	214.87	37.65	58.24	-25.5	19,352	91.46%
6/29/2024	214.74	34.90	53.99	-55.9	19,134	90.43%
6/30/2024	214.71	35.31	54.62	42.8	19,111	90.32%
7/1/2024	214.67	29.82	46.13	31.5	19,082	90.18%
7/2/2024	214.63	32.95	50.97	32.4	19,045	90.01%

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Date	Reservoir Level (ft)	Cary/Apex/Morrisville/RTP Water Supply (mgd)	Cary/Apex/Morrisville/RTP Water Supply (cfs)	Inflow to Cary/Apex/Morrisville/RTP (cfs)	Cary/Apex/Morrisville/RTP Storage Level (ac-ft)	Cary/Apex/Morrisville/RTP Storage Level (%)
7/3/2024	214.57	35.37	54.72	13.3	18,963	89.62%
7/4/2024	214.51	32.65	50.51	12.4	18,887	89.26%
7/5/2024	214.44	35.07	54.25	3.0	18,785	88.78%
7/6/2024	214.39	29.48	45.61	21.4	18,737	88.55%
7/7/2024	214.40	29.52	45.67	91.7	18,829	88.98%
7/8/2024	214.40	27.58	42.67	94.5	18,931	89.47%
7/9/2024	214.42	30.77	47.60	94.7	19,025	89.91%
7/10/2024	214.46	34.19	52.89	133.6	19,185	90.67%
7/11/2024	214.43	29.35	45.40	76.5	19,247	90.96%
7/12/2024	214.67	26.57	41.10	577.8	20,311	95.99%
7/13/2024	214.88	26.82	41.49	405.4	21,160	100.00%
7/14/2024	214.89	29.09	45.00	45.0	21,160	100.00%
7/15/2024	214.87	31.99	49.49	49.5	21,160	100.00%
7/16/2024	214.81	31.26	48.36	23.0	21,109	99.76%
7/17/2024	214.71	33.29	51.50	-36.5	20,935	98.94%
7/18/2024	214.77	29.39	45.47	173.9	21,160	100.00%
7/19/2024	214.81	26.50	41.00	41.0	21,160	100.00%
7/20/2024	214.90	27.30	42.23	42.2	21,160	100.00%
7/21/2024	214.98	27.82	43.04	43.0	21,160	100.00%
7/22/2024	215.37	26.34	40.75	40.7	21,160	100.00%
7/23/2024	215.78	27.67	42.81	42.8	21,160	100.00%
7/24/2024	216.30	26.82	41.49	41.5	21,160	100.00%
7/25/2024	217.52	27.39	42.37	42.4	21,160	100.00%
7/26/2024	218.60	28.31	43.80	43.8	21,160	100.00%
7/27/2024	218.27	24.36	37.68	37.7	21,160	100.00%
7/28/2024	217.67	29.47	45.59	45.6	21,160	100.00%
7/29/2024	217.17	27.02	41.80	41.8	21,160	100.00%
7/30/2024	216.80	27.63	42.74	42.7	21,160	100.00%
7/31/2024	216.46	28.78	44.52	44.5	21,160	100.00%
8/1/2024	216.24	29.14	45.08	45.1	21,160	100.00%
8/2/2024	216.16	33.43	51.72	51.7	21,160	100.00%
8/3/2024	216.32	29.30	45.33	45.3	21,160	100.00%
8/4/2024	216.59	26.37	40.79	40.8	21,160	100.00%
8/5/2024	216.67	26.18	40.50	40.5	21,160	100.00%
8/6/2024	216.75	27.65	42.77	42.8	21,160	100.00%
8/7/2024	216.89	25.33	39.19	39.2	21,160	100.00%
8/8/2024	221.05	25.28	39.11	1,701.6	21,160	100.00%
8/9/2024	226.38	25.73	39.80	1,702.3	21,160	100.00%
8/10/2024	228.33	25.95	40.14	1,702.7	21,160	100.00%
8/11/2024	229.20	27.73	42.90	42.9	21,160	100.00%
8/12/2024	229.44	29.43	45.53	45.5	21,160	100.00%
8/13/2024	229.35	28.30	43.78	43.8	21,160	100.00%
8/14/2024	228.81	27.28	42.20	42.2	21,160	100.00%
8/15/2024	228.00	30.72	47.52	47.5	21,160	100.00%
8/16/2024	227.15	31.15	48.19	1,710.7	21,160	100.00%
8/17/2024	226.28	30.31	46.89	1,709.4	21,160	100.00%

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Date	Reservoir Level (ft)	Cary/Apex/ Morrisville/RTP Water Supply (mgd)	Cary/Apex/ Morrisville/RTP Water Supply (cfs)	Inflow to Cary/Apex/ Morrisville/RTP (cfs)	Cary/Apex/ Morrisville/RTP Storage Level (ac-ft)	Cary/Apex/ Morrisville/RTP Storage Level (%)
8/18/2024	225.31	29.92	46.29	1,708.8	21,160	100.00%
8/19/2024	224.21	30.33	46.92	46.9	21,160	100.00%
8/20/2024	223.01	31.11	48.13	48.1	21,160	100.00%
8/21/2024	221.74	33.30	51.52	51.5	21,160	100.00%
8/22/2024	220.48	31.15	48.19	48.2	21,160	100.00%
8/23/2024	219.42	32.64	50.49	1,713.0	21,160	100.00%
8/24/2024	218.60	31.26	48.36	1,710.9	21,160	100.00%
8/25/2024	217.89	33.43	51.72	1,714.2	21,160	100.00%
8/26/2024	217.39	32.44	50.18	1,712.7	21,160	100.00%
8/27/2024	217.06	33.90	52.44	1,715.0	21,160	100.00%
8/28/2024	216.87	36.06	55.78	55.8	21,160	100.00%
8/29/2024	216.68	34.90	53.99	54.0	21,160	100.00%
8/30/2024	216.63	33.50	51.82	51.8	21,160	100.00%
8/31/2024	216.67	28.28	43.75	43.7	21,160	100.00%
9/1/2024	216.86	29.05	44.94	44.9	21,160	100.00%
9/2/2024	217.43	25.93	40.11	40.1	21,160	100.00%
9/3/2024	217.36	31.01	47.97	48.0	21,160	100.00%
9/4/2024	217.10	29.83	46.15	46.1	21,160	100.00%
9/5/2024	216.79	29.59	45.78	45.8	21,160	100.00%
9/6/2024	216.63	31.01	47.97	48.0	21,160	100.00%
9/7/2024	216.49	29.56	45.73	45.7	21,160	100.00%
9/8/2024	216.30	31.35	48.50	48.5	21,160	100.00%
9/9/2024	216.22	30.72	47.52	47.5	21,160	100.00%
9/10/2024	216.17	31.82	49.23	49.2	21,160	100.00%
9/11/2024	216.11	31.05	48.03	48.0	21,160	100.00%
9/12/2024	216.07	31.75	49.12	49.1	21,160	100.00%
9/13/2024	216.17	29.48	45.61	45.6	21,160	100.00%
9/14/2024	216.23	28.78	44.52	44.5	21,160	100.00%
9/15/2024	216.23	26.72	41.34	41.3	21,160	100.00%
9/16/2024	216.69	27.36	42.33	42.3	21,160	100.00%
9/17/2024	218.20	27.08	41.89	41.9	21,160	100.00%
9/18/2024	219.10	28.56	44.18	44.2	21,160	100.00%
9/19/2024	218.95	27.36	42.33	42.3	21,160	100.00%
9/20/2024	218.48	26.31	40.70	40.7	21,160	100.00%
9/21/2024	217.85	27.85	43.08	43.1	21,160	100.00%
9/22/2024	217.28	27.42	42.42	42.4	21,160	100.00%
9/23/2024	216.66	28.43	43.98	44.0	21,160	100.00%
9/24/2024	216.44	27.49	42.53	42.5	21,160	100.00%
9/25/2024	218.49	25.50	39.45	1,702.0	21,160	100.00%
9/26/2024	219.59	24.27	37.55	37.5	21,160	100.00%
9/27/2024	222.00	29.38	45.45	1,708.0	21,160	100.00%
9/28/2024	223.89	26.98	41.74	1,704.3	21,160	100.00%
9/29/2024	224.07	26.79	41.44	41.4	21,160	100.00%
9/30/2024	223.66	25.51	39.46	39.5	21,160	100.00%
10/1/2024	223.03	27.28	42.20	42.2	21,160	100.00%
10/2/2024	222.17	27.21	42.09	42.1	21,160	100.00%

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Date	Reservoir Level (ft)	Cary/Apex/Morrisville/RTP Water Supply (mgd)	Cary/Apex/Morrisville/RTP Water Supply (cfs)	Inflow to Cary/Apex/Morrisville/RTP (cfs)	Cary/Apex/Morrisville/RTP Storage Level (ac-ft)	Cary/Apex/Morrisville/RTP Storage Level (%)
10/3/2024	221.19	27.24	42.14	42.1	21,160	100.00%
10/4/2024	220.15	26.05	40.30	40.3	21,160	100.00%
10/5/2024	219.06	27.77	42.96	43.0	21,160	100.00%
10/6/2024	217.87	27.96	43.25	43.3	21,160	100.00%
10/7/2024	216.98	29.72	45.98	46.0	21,160	100.00%
10/8/2024	216.49	28.61	44.26	44.3	21,160	100.00%
10/9/2024	216.29	27.19	42.06	42.1	21,160	100.00%
10/10/2024	216.24	30.24	46.78	46.8	21,160	100.00%
10/11/2024	216.19	30.58	47.31	47.3	21,160	100.00%
10/12/2024	216.18	29.44	45.54	45.5	21,160	100.00%
10/13/2024	216.14	29.34	45.39	45.4	21,160	100.00%
10/14/2024	216.15	28.46	44.03	44.0	21,160	100.00%
10/15/2024	216.14	29.65	45.87	45.9	21,160	100.00%
10/16/2024	216.09	29.36	45.42	45.4	21,160	100.00%
10/17/2024	216.05	29.97	46.36	46.4	21,160	100.00%
10/18/2024	216.04	30.24	46.78	46.8	21,160	100.00%
10/19/2024	216.02	28.36	43.87	43.9	21,160	100.00%
10/20/2024	216.00	31.12	48.14	48.1	21,160	100.00%
10/21/2024	215.99	27.76	42.94	42.9	21,160	100.00%
10/22/2024	215.96	30.60	47.34	41.8	21,149	99.95%
10/23/2024	215.94	32.22	49.84	55.3	21,160	100.00%
10/24/2024	215.94	29.07	44.97	45.0	21,160	100.00%
10/25/2024	215.92	30.98	47.93	47.9	21,160	100.00%
10/26/2024	215.96	29.25	45.25	45.2	21,160	100.00%
10/27/2024	215.92	26.69	41.29	23.0	21,123	99.83%
10/28/2024	215.92	27.00	41.77	61.5	21,160	100.00%
10/29/2024	215.90	28.93	44.75	44.8	21,160	100.00%
10/30/2024	215.89	29.10	45.02	45.0	21,160	100.00%
10/31/2024	215.86	30.08	46.53	46.5	21,160	100.00%
11/1/2024	215.85	27.57	42.65	42.7	21,160	100.00%
11/2/2024	215.83	27.35	42.31	42.3	21,160	100.00%
11/3/2024	215.79	28.53	44.14	28.7	21,129	99.85%
11/4/2024	215.77	28.21	43.64	59.4	21,160	100.00%
11/5/2024	215.70	27.83	43.05	43.1	21,160	100.00%
11/6/2024	215.69	27.31	42.25	42.2	21,160	100.00%
11/7/2024	215.68	28.38	43.90	43.9	21,160	100.00%
11/8/2024	215.67	25.64	39.67	39.7	21,160	100.00%
11/9/2024	215.65	25.85	39.99	40.0	21,160	100.00%
11/10/2024	215.65	25.83	39.96	40.0	21,160	100.00%
11/11/2024	215.62	25.02	38.71	38.7	21,160	100.00%
11/12/2024	215.65	27.69	42.84	42.8	21,160	100.00%
11/13/2024	215.61	24.93	38.57	27.0	21,137	99.89%
11/14/2024	215.68	24.12	37.31	48.9	21,160	100.00%
11/15/2024	215.82	25.38	39.26	39.3	21,160	100.00%
11/16/2024	215.99	25.36	39.23	39.2	21,160	100.00%
11/17/2024	216.03	23.16	35.83	35.8	21,160	100.00%

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Date	Reservoir Level (ft)	Cary/Apex/Morrisville/RTP Water Supply (mgd)	Cary/Apex/Morrisville/RTP Water Supply (cfs)	Inflow to Cary/Apex/Morrisville/RTP (cfs)	Cary/Apex/Morrisville/RTP Storage Level (ac-ft)	Cary/Apex/Morrisville/RTP Storage Level (%)
11/18/2024	216.07	26.66	41.24	41.2	21,160	100.00%
11/19/2024	216.07	26.02	40.25	40.3	21,160	100.00%
11/20/2024	216.07	24.45	37.82	37.8	21,160	100.00%
11/21/2024	216.07	26.40	40.84	40.8	21,160	100.00%
11/22/2024	216.04	24.41	37.76	37.8	21,160	100.00%
11/23/2024	216.03	24.93	38.57	38.6	21,160	100.00%
11/24/2024	216.02	22.21	34.36	34.4	21,160	100.00%
11/25/2024	215.98	25.83	39.96	19.9	21,120	99.81%
11/26/2024	216.00	26.14	40.44	61.1	21,160	100.00%
11/27/2024	215.98	25.15	38.91	38.9	21,160	100.00%
11/28/2024	216.01	23.66	36.60	36.6	21,160	100.00%
11/29/2024	216.03	21.75	33.65	33.6	21,160	100.00%
11/30/2024	216.01	22.21	34.36	34.4	21,160	100.00%
12/1/2024	216.00	25.06	38.77	38.8	21,160	100.00%
12/2/2024	216.00	25.63	39.65	39.6	21,160	100.00%
12/3/2024	215.97	24.68	38.18	38.2	21,160	100.00%
12/4/2024	215.90	23.65	36.59	-16.9	21,054	99.50%
12/5/2024	215.91	25.42	39.32	100.7	21,160	100.00%
12/6/2024	215.87	25.40	39.29	18.2	21,118	99.80%
12/7/2024	215.83	24.02	37.16	17.9	21,079	99.62%
12/8/2024	215.81	25.16	38.92	60.9	21,123	99.83%
12/9/2024	215.85	23.27	36.00	53.9	21,160	100.00%
12/10/2024	215.85	24.82	38.40	38.4	21,160	100.00%
12/11/2024	216.32	22.93	35.47	35.5	21,160	100.00%
12/12/2024	217.03	24.19	37.42	37.4	21,160	100.00%
12/13/2024	217.22	23.19	35.87	35.9	21,160	100.00%
12/14/2024	217.14	24.22	37.47	37.5	21,160	100.00%
12/15/2024	217.01	23.72	36.69	36.7	21,160	100.00%
12/16/2024	216.80	25.67	39.71	39.7	21,160	100.00%
12/17/2024	216.66	24.35	37.67	37.7	21,160	100.00%
12/18/2024	216.44	22.90	35.43	35.4	21,160	100.00%
12/19/2024	216.27	23.64	36.57	36.6	21,160	100.00%
12/20/2024	216.14	24.05	37.21	37.2	21,160	100.00%
12/21/2024	216.15	24.34	37.65	37.7	21,160	100.00%
12/22/2024	216.12	22.68	35.09	35.1	21,160	100.00%
12/23/2024	216.10	21.36	33.04	33.0	21,160	100.00%
12/24/2024	216.07	23.24	35.95	36.0	21,160	100.00%
12/25/2024	216.04	21.82	33.76	33.8	21,160	100.00%
12/26/2024	216.04	21.92	33.91	33.9	21,160	100.00%
12/27/2024	216.03	22.15	34.27	34.3	21,160	100.00%
12/28/2024	216.02	22.09	34.17	34.2	21,160	100.00%
12/29/2024	216.05	22.52	34.84	34.8	21,160	100.00%
12/30/2024	216.19	23.17	35.84	35.8	21,160	100.00%
12/31/2024	216.26	23.71	36.68	36.7	21,160	100.00%

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
1/1/2024	21.99	0.00	0.00	0.116	22.11	0.382	0.116	0.015	0.000	0.593	0.346	2.31	0.00	6.81	11.53	2.81	6.83	12.47	22.11	0.015	12.36
1/2/2024	22.75	0.00	0.00	0.116	22.87	0.379	0.116	0.015	0.000	0.589	0.449	3.21	0.00	6.58	11.53	3.71	6.59	12.57	22.87	0.015	12.45
1/3/2024	21.74	0.00	0.00	0.123	21.86	0.362	0.123	0.014	0.000	0.562	0.552	3.10	0.00	5.90	11.25	3.58	5.91	12.36	21.86	0.014	12.24
1/4/2024	22.54	0.00	0.00	0.175	22.72	0.384	0.175	0.015	0.000	0.596	0.509	2.82	0.00	6.60	11.61	3.38	6.62	12.72	22.72	0.016	12.54
1/5/2024	24.44	0.00	0.00	0.187	24.63	0.986	0.187	0.039	0.000	1.532	0.446	2.81	0.00	6.87	11.76	3.98	6.91	13.73	24.63	0.039	13.55
1/6/2024	22.47	0.00	0.00	0.196	22.67	0.378	0.196	0.015	0.000	0.587	0.469	3.08	0.00	6.36	11.58	3.65	6.37	12.64	22.67	0.015	12.44
1/7/2024	21.68	0.00	0.00	0.198	21.88	0.376	0.198	0.015	0.000	0.584	0.430	2.38	0.00	6.44	11.46	2.95	6.45	12.47	21.88	0.015	12.27
1/8/2024	22.09	0.00	0.00	0.201	22.29	0.364	0.201	0.014	0.000	0.566	0.243	3.41	0.00	6.00	11.49	3.98	6.02	12.30	22.29	0.015	12.10
1/9/2024	22.86	0.00	0.00	0.204	23.06	0.383	0.204	0.015	0.000	0.595	0.040	3.19	0.00	6.04	12.59	3.78	6.06	13.23	23.06	0.015	13.02
1/10/2024	22.94	0.00	0.00	0.198	23.14	0.380	0.198	0.015	0.000	0.591	0.169	3.42	0.00	5.80	12.57	4.00	5.81	13.33	23.14	0.015	13.13
1/11/2024	23.46	0.00	0.00	0.198	23.66	0.390	0.198	0.015	0.000	0.606	0.293	3.42	0.00	6.19	12.55	4.01	6.21	13.44	23.66	0.015	13.25
1/12/2024	21.26	0.00	0.00	0.200	21.46	0.367	0.200	0.015	0.000	0.570	0.264	2.43	0.00	5.73	11.88	3.00	5.75	12.71	21.46	0.015	12.51
1/13/2024	20.81	0.00	0.00	0.207	21.02	0.349	0.207	0.014	0.000	0.542	0.227	2.93	0.00	5.53	11.22	3.49	5.54	11.99	21.02	0.014	11.78
1/14/2024	22.86	0.00	0.00	0.204	23.06	0.381	0.204	0.015	0.000	0.592	0.237	3.30	0.00	6.69	11.65	3.89	6.70	12.48	23.06	0.015	12.27
1/15/2024	22.56	0.00	0.00	0.204	22.76	0.390	0.204	0.015	0.000	0.606	0.329	2.52	0.00	6.66	12.04	3.11	6.68	12.97	22.76	0.015	12.77
1/16/2024	22.05	0.00	0.00	0.204	22.25	0.369	0.204	0.015	0.000	0.573	0.388	3.13	0.00	6.06	11.51	3.70	6.08	12.47	22.25	0.015	12.27
1/17/2024	21.79	0.00	0.00	0.210	22.00	0.368	0.210	0.015	0.000	0.572	0.369	2.90	0.00	6.83	10.74	3.48	6.84	11.68	22.00	0.015	11.47
1/18/2024	22.13	0.00	0.00	0.220	22.35	0.364	0.220	0.014	0.000	0.566	0.359	3.46	0.00	5.83	11.54	4.04	5.84	12.46	22.35	0.014	12.24
1/19/2024	24.60	0.00	0.00	0.219	24.82	0.412	0.219	0.016	0.000	0.640	0.276	3.47	0.00	6.94	12.85	4.10	6.95	13.77	24.82	0.017	13.55
1/20/2024	21.80	0.00	0.00	0.215	22.02	0.365	0.215	0.014	0.000	0.566	0.352	3.11	0.00	6.12	11.27	3.69	6.13	12.19	22.02	0.014	11.98
1/21/2024	21.93	0.00	0.00	0.223	22.15	0.375	0.223	0.015	0.000	0.583	0.324	2.69	0.00	6.69	11.26	3.29	6.70	12.16	22.15	0.015	11.94
1/22/2024	23.19	0.00	0.00	0.230	23.42	0.390	0.230	0.015	0.000	0.606	0.392	3.18	0.00	6.62	11.99	3.80	6.64	12.98	23.42	0.015	12.75
1/23/2024	21.76	0.00	0.00	0.232	21.99	0.366	0.232	0.014	0.000	0.569	0.400	2.99	0.00	5.94	11.48	3.59	5.95	12.45	21.99	0.014	12.22
1/24/2024	24.11	0.00	0.00	0.229	24.34	0.399	0.229	0.016	0.000	0.620	0.365	3.65	0.00	6.77	12.29	4.28	6.78	13.28	24.34	0.016	13.05
1/25/2024	22.96	0.00	0.00	0.235	23.20	0.381	0.235	0.015	0.000	0.591	0.362	3.46	0.00	6.03	12.12	4.08	6.05	13.07	23.20	0.015	12.84
1/26/2024	22.30	0.00	0.00	0.231	22.53	0.362	0.231	0.014	0.000	0.563	0.237	3.75	0.00	6.08	11.29	4.34	6.10	12.09	22.53	0.014	11.86
1/27/2024	21.28	0.00	0.00	0.221	21.50	0.356	0.221	0.014	0.000	0.552	0.061	3.06	0.00	6.19	11.05	3.64	6.20	11.66	21.50	0.014	11.44
1/28/2024	23.17	0.00	0.00	0.217	23.39	0.391	0.217	0.015	0.000	0.607	0.072	3.13	0.00	6.89	12.06	3.74	6.91	12.74	23.39	0.015	12.53
1/29/2024	23.45	0.00	0.00	0.216	23.67	0.398	0.216	0.016	0.000	0.618	0.217	3.03	0.00	6.83	12.34	3.64	6.84	13.18	23.67	0.016	12.96
1/30/2024	22.14	0.00	0.00	0.230	22.37	0.371	0.230	0.015	0.000	0.577	0.380	3.12	0.00	6.17	11.51	3.72	6.18	12.47	22.37	0.015	12.24
1/31/2024	21.88	0.00	0.00	0.242	22.12	0.359	0.242	0.014	0.000	0.558	0.358	3.49	0.00	5.86	11.24	4.09	5.88	12.15	22.12	0.014	11.91
2/1/2024	20.97	0.00	0.00	0.235	21.21	0.350	0.235	0.014	0.000	0.544	0.273	3.04	0.00	5.95	10.80	3.63	5.96	11.62	21.21	0.014	11.39
2/2/2024	24.14	0.00	0.00	0.236	24.38	0.732	0.236	0.029	0.000	1.138	0.257	2.90	0.00	6.81	12.28	3.87	6.83	13.67	24.38	0.029	13.44
2/3/2024	21.90	0.00	0.00	0.228	22.13	0.361	0.228	0.014	0.000	0.561	0.298	3.41	0.00	6.31	10.95	4.00	6.32	11.81	22.13	0.014	11.58
2/4/2024	22.14	0.00	0.00	0.225	22.37	0.369	0.225	0.015	0.000	0.573	0.295	3.22	0.00	6.40	11.27	3.81	6.41	12.14	22.37	0.015	11.91
2/5/2024	21.97	0.00	0.00	0.227	22.20	0.369	0.227	0.015	0.000	0.573	0.331	3.06	0.00	6.24	11.38	3.66	6.26	12.29	22.20	0.015	12.06
2/6/2024	22.07	0.00	0.00	0.236	22.31	0.369	0.236	0.015	0.000	0.573	0.335	3.17	0.00	6.12	11.49	3.77	6.13	12.40	22.31	0.015	12.16
2/7/2024	24.05	0.00	0.00	0.450	24.50	0.578	0.450	0.023	0.000	0.897	0.333	3.07	0.00	6.81	12.34	4.10	6.83	13.57	24.50	0.023	13.12
2/8/2024	22.61	0.00	0.00	0.468	23.08	0.391	0.468	0.015	0.000	0.607	0.337	2.80	0.00	6.59	11.87	3.66	6.61	12.81	23.08	0.015	12.34
2/9/2024	22.91	0.00	0.00	0.561	23.47	0.376	0.561	0.015	0.000	0.584	0.581	3.99	0.00	6.36	11.00	4.93	6.38	12.17	23.47	0.015	11.61

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
2/10/2024	21.53	0.00	0.00	0.561	22.09	0.373	0.561	0.015	0.000	0.580	0.866	2.73	0.00	6.24	10.73	3.66	6.25	12.17	22.09	0.015	11.61
2/11/2024	22.42	0.00	0.00	0.552	22.97	0.380	0.552	0.015	0.000	0.590	0.787	3.28	0.00	6.51	10.86	4.21	6.52	12.24	22.97	0.015	11.69
2/12/2024	23.06	0.00	0.00	0.040	23.10	0.383	0.040	0.015	0.001	0.596	0.184	3.22	0.00	6.56	12.10	3.64	6.58	12.88	23.10	0.016	12.84
2/13/2024	21.82	0.00	0.00	0.000	21.82	0.369	0.000	0.015	0.002	0.573	-0.127	2.69	0.00	6.13	12.16	3.06	6.15	12.61	21.82	0.016	12.61
2/14/2024	22.14	0.00	0.00	0.000	22.14	0.363	0.000	0.014	0.001	0.563	-0.055	3.33	0.00	5.93	12.00	3.69	5.94	12.51	22.14	0.015	12.51
2/15/2024	20.89	0.00	0.00	0.000	20.89	0.357	0.000	0.014	0.001	0.555	-0.078	2.37	0.00	5.84	11.83	2.73	5.86	12.30	20.89	0.015	12.30
2/16/2024	23.78	0.00	0.00	0.000	23.78	0.387	0.000	0.015	0.000	0.601	-0.106	3.70	0.00	6.73	12.46	4.09	6.74	12.95	23.78	0.015	12.95
2/17/2024	22.19	0.00	0.00	0.000	22.19	0.362	0.000	0.014	0.000	0.563	-0.058	3.40	0.00	6.15	11.75	3.76	6.17	12.26	22.19	0.014	12.26
2/18/2024	20.60	0.00	0.00	0.000	20.60	0.347	0.000	0.014	0.000	0.539	-0.058	2.61	0.00	6.07	11.08	2.96	6.09	11.56	20.60	0.014	11.56
2/19/2024	22.05	0.00	0.00	0.317	22.37	0.376	0.317	0.015	0.000	0.584	-0.063	2.87	0.00	6.33	11.93	3.56	6.35	12.46	22.37	0.015	12.14
2/20/2024	22.03	0.00	0.00	0.280	22.31	0.368	0.280	0.015	0.001	0.572	0.115	3.23	0.00	6.30	11.44	3.88	6.31	12.12	22.31	0.015	11.84
2/21/2024	23.13	0.00	0.00	0.290	23.42	0.386	0.290	0.015	0.001	0.600	0.157	3.38	0.00	6.37	12.22	4.06	6.38	12.98	23.42	0.016	12.69
2/22/2024	22.30	0.00	0.00	0.309	22.61	0.380	0.309	0.015	0.000	0.591	0.178	2.88	0.00	6.44	11.82	3.57	6.45	12.59	22.61	0.015	12.28
2/23/2024	22.60	0.00	0.00	0.289	22.89	0.368	0.289	0.015	0.000	0.572	0.177	3.78	0.00	6.16	11.53	4.44	6.18	12.27	22.89	0.015	11.99
2/24/2024	20.47	0.00	0.00	0.292	20.76	0.363	0.292	0.014	0.000	0.564	0.224	1.92	0.00	6.28	11.10	2.58	6.29	11.89	20.76	0.014	11.60
2/25/2024	23.10	0.00	0.00	0.292	23.39	0.395	0.292	0.016	0.000	0.613	0.133	2.92	0.00	7.07	11.95	3.61	7.09	12.70	23.39	0.016	12.41
2/26/2024	22.78	0.00	0.00	0.301	23.08	0.383	0.301	0.015	0.000	0.594	0.180	3.24	0.00	6.43	11.93	3.92	6.45	12.71	23.08	0.015	12.41
2/27/2024	21.98	0.00	0.00	0.297	22.28	0.369	0.297	0.015	0.000	0.573	0.189	3.16	0.00	6.31	11.36	3.83	6.33	12.12	22.28	0.015	11.82
2/28/2024	21.72	0.00	0.00	0.286	22.01	0.380	0.286	0.015	0.000	0.590	0.191	2.30	0.00	6.01	12.23	2.97	6.03	13.01	22.01	0.015	12.73
2/29/2024	20.77	0.00	0.00	0.298	21.07	0.337	0.298	0.013	0.000	0.523	0.159	3.61	0.00	5.60	10.53	4.24	5.61	11.21	21.07	0.013	10.91
3/1/2024	23.02	0.00	0.00	0.153	23.17	0.395	0.153	0.016	0.000	0.613	0.139	2.70	0.00	6.50	12.66	3.25	6.52	13.41	23.17	0.016	13.26
3/2/2024	21.48	0.00	0.00	0.136	21.62	0.365	0.136	0.014	0.000	0.567	0.201	2.68	0.00	5.93	11.72	3.18	5.94	12.49	21.62	0.014	12.35
3/3/2024	22.09	0.00	0.00	0.130	22.22	0.380	0.130	0.015	0.000	0.590	0.155	2.53	0.00	6.43	11.99	3.04	6.45	12.73	22.22	0.015	12.60
3/4/2024	24.32	0.00	0.00	0.145	24.47	0.397	0.145	0.016	0.000	0.617	0.190	3.86	0.00	6.60	12.64	4.40	6.62	13.44	24.47	0.016	13.30
3/5/2024	23.07	0.00	0.00	0.134	23.20	0.381	0.134	0.015	0.000	0.592	0.179	3.43	0.00	6.29	12.19	3.95	6.30	12.96	23.20	0.015	12.82
3/6/2024	25.26	0.00	0.00	0.143	25.40	0.423	0.143	0.017	0.000	0.656	0.203	3.49	0.00	6.79	13.68	4.06	6.81	14.54	25.40	0.017	14.39
3/7/2024	23.85	0.00	0.00	0.152	24.00	0.381	0.152	0.015	0.000	0.592	0.217	4.23	0.00	6.44	11.98	4.76	6.45	12.79	24.00	0.015	12.64
3/8/2024	25.27	0.00	0.00	0.145	25.42	0.369	0.145	0.015	0.000	0.573	0.194	6.29	0.00	6.23	11.60	6.80	6.25	12.36	25.42	0.015	12.22
3/9/2024	20.85	0.00	0.00	0.140	20.99	0.352	0.140	0.014	0.000	0.548	0.196	2.71	0.00	5.93	11.10	3.20	5.94	11.84	20.99	0.014	11.70
3/10/2024	21.59	0.00	0.00	0.146	21.74	0.363	0.146	0.014	0.000	0.565	0.088	2.89	0.00	6.36	11.31	3.40	6.38	11.96	21.74	0.014	11.82
3/11/2024	23.58	0.00	0.00	0.156	23.74	0.395	0.156	0.016	0.000	0.614	0.150	3.24	0.00	6.72	12.45	3.79	6.73	13.21	23.74	0.016	13.06
3/12/2024	23.31	0.00	0.00	0.159	23.47	0.389	0.159	0.015	0.000	0.604	0.175	3.30	0.00	6.40	12.43	3.85	6.41	13.21	23.47	0.016	13.05
3/13/2024	22.74	0.00	0.00	0.164	22.90	0.376	0.164	0.015	0.000	0.585	0.242	3.39	0.00	5.91	12.22	3.93	5.92	13.05	22.90	0.015	12.89
3/14/2024	23.08	0.00	0.00	0.178	23.26	0.378	0.178	0.015	0.000	0.586	0.229	3.68	0.00	6.15	12.05	4.24	6.16	12.86	23.26	0.015	12.68
3/15/2024	24.03	0.00	0.00	0.147	24.18	0.625	0.147	0.025	0.000	0.971	0.183	2.53	0.00	6.81	12.89	3.30	6.83	14.04	24.18	0.025	13.89
3/16/2024	22.92	0.00	0.00	0.135	23.06	0.374	0.135	0.015	0.000	0.581	0.217	3.66	0.00	6.41	11.66	4.17	6.43	12.46	23.06	0.015	12.32
3/17/2024	22.65	0.00	0.00	0.137	22.79	0.367	0.137	0.015	0.000	0.570	0.122	3.76	0.00	6.46	11.36	4.26	6.47	12.05	22.79	0.015	11.92
3/18/2024	24.44	0.00	0.00	0.152	24.59	0.475	0.152	0.019	0.000	0.738	0.187	3.25	0.00	6.92	12.85	3.88	6.94	13.78	24.59	0.019	13.63
3/19/2024	23.68	0.00	0.00	0.137	23.82	0.375	0.137	0.015	0.000	0.583	0.185	4.37	0.00	6.35	11.81	4.88	6.36	12.57	23.82	0.015	12.44
3/20/2024	25.87	0.00	0.00	0.173	26.04	0.621	0.173	0.025	0.000	0.965	0.216	4.19	0.00	6.64	13.21	4.98	6.67	14.39	26.04	0.025	14.22

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
3/21/2024	24.13	0.00	0.00	0.162	24.29	0.629	0.162	0.025	0.000	0.977	0.186	3.43	0.00	6.64	12.24	4.22	6.67	13.40	24.29	0.025	13.24
3/22/2024	22.35	0.00	0.00	0.159	22.51	0.382	0.159	0.015	0.000	0.593	0.137	2.72	0.00	6.62	11.89	3.26	6.63	12.62	22.51	0.015	12.46
3/23/2024	21.10	0.00	0.00	0.148	21.25	0.346	0.148	0.014	0.000	0.537	0.171	3.31	0.00	5.77	10.95	3.80	5.78	11.66	21.25	0.014	11.51
3/24/2024	22.09	0.00	0.00	0.151	22.24	0.360	0.151	0.014	0.000	0.560	0.127	3.56	0.00	6.04	11.43	4.07	6.05	12.12	22.24	0.014	11.96
3/25/2024	24.52	0.00	0.00	0.155	24.68	1.171	0.155	0.046	0.000	1.820	0.150	3.25	0.00	6.42	11.66	4.58	6.47	13.63	24.68	0.046	13.47
3/26/2024	20.90	0.00	0.00	0.153	21.05	0.335	0.153	0.013	0.000	0.521	0.218	3.67	0.00	5.07	11.08	4.16	5.08	11.81	21.05	0.013	11.66
3/27/2024	21.20	0.00	0.00	0.140	21.34	0.361	0.140	0.014	0.000	0.560	0.175	2.63	0.00	5.84	11.62	3.13	5.86	12.35	21.34	0.014	12.21
3/28/2024	21.51	0.00	0.00	0.141	21.65	0.343	0.141	0.014	0.000	0.533	0.078	3.85	0.00	5.21	11.49	4.33	5.22	12.10	21.65	0.014	11.96
3/29/2024	24.43	0.00	0.00	0.132	24.56	0.401	0.132	0.016	0.000	0.623	0.076	3.75	0.00	6.60	12.96	4.28	6.61	13.66	24.56	0.016	13.53
3/30/2024	21.06	0.00	0.00	0.134	21.19	0.353	0.134	0.014	0.000	0.548	0.110	2.91	0.00	5.88	11.25	3.40	5.89	11.90	21.19	0.014	11.77
3/31/2024	22.88	0.00	0.00	0.131	23.01	0.387	0.131	0.015	0.000	0.602	0.074	2.93	0.00	6.81	12.06	3.45	6.83	12.73	23.01	0.015	12.60
4/1/2024	24.75	0.00	0.00	0.152	24.90	0.409	0.152	0.016	0.000	0.636	0.169	3.67	0.00	6.86	12.99	4.23	6.87	13.80	24.90	0.016	13.65
4/2/2024	24.62	0.00	0.00	0.141	24.76	0.377	0.141	0.015	0.000	0.585	0.171	5.22	0.00	6.20	12.06	5.74	6.21	12.81	24.76	0.015	12.67
4/3/2024	26.07	0.00	0.00	0.141	26.21	0.428	0.141	0.017	0.000	0.665	0.106	4.01	0.00	7.01	13.84	4.58	7.02	14.61	26.21	0.017	14.47
4/4/2024	22.94	0.00	0.00	0.146	23.09	0.362	0.146	0.014	0.000	0.563	0.104	4.30	0.00	6.03	11.57	4.81	6.05	12.23	23.09	0.015	12.09
4/5/2024	23.79	0.00	0.00	0.142	23.93	0.388	0.142	0.015	0.000	0.603	0.176	3.81	0.00	6.40	12.40	4.34	6.42	13.18	23.93	0.015	13.03
4/6/2024	22.24	0.00	0.00	0.154	22.39	0.361	0.154	0.014	0.000	0.561	0.151	3.67	0.00	6.16	11.32	4.19	6.18	12.03	22.39	0.014	11.88
4/7/2024	24.95	0.00	0.00	0.166	25.12	0.417	0.166	0.016	0.000	0.648	0.125	3.50	0.00	7.34	12.90	4.08	7.36	13.68	25.12	0.016	13.51
4/8/2024	25.70	0.00	0.00	0.189	25.89	0.912	0.189	0.036	0.000	1.417	0.114	3.44	0.00	6.99	12.79	4.54	7.03	14.32	25.89	0.037	14.13
4/9/2024	23.40	0.00	0.00	0.177	23.58	0.380	0.177	0.015	0.000	0.590	0.159	3.89	0.00	6.30	12.06	4.45	6.32	12.81	23.58	0.015	12.63
4/10/2024	25.18	0.00	0.00	0.179	25.36	0.415	0.179	0.016	0.000	0.644	0.160	3.85	0.00	6.72	13.37	4.44	6.74	14.18	25.36	0.016	14.00
4/11/2024	22.34	0.00	0.00	0.184	22.52	0.359	0.184	0.014	0.000	0.558	0.132	3.89	0.00	5.96	11.43	4.43	5.97	12.12	22.52	0.014	11.94
4/12/2024	26.38	0.00	0.00	0.183	26.56	1.264	0.183	0.050	0.000	1.964	0.151	3.94	0.00	6.75	12.26	5.39	6.80	14.37	26.56	0.050	14.19
4/13/2024	24.21	0.00	0.00	0.183	24.39	0.480	0.183	0.019	0.000	0.746	0.155	3.56	0.00	6.88	12.37	4.22	6.90	13.27	24.39	0.019	13.08
4/14/2024	25.25	0.00	0.00	0.231	25.48	0.505	0.231	0.020	0.000	0.785	0.143	3.75	0.00	7.26	12.79	4.49	7.28	13.72	25.48	0.020	13.49
4/15/2024	24.20	0.00	0.00	0.252	24.45	0.601	0.252	0.024	0.000	0.934	0.194	3.21	0.00	6.89	12.35	4.06	6.91	13.48	24.45	0.024	13.22
4/16/2024	26.03	0.00	0.00	0.244	26.27	1.119	0.244	0.044	0.000	1.738	0.208	3.62	0.00	6.71	12.60	4.98	6.75	14.54	26.27	0.044	14.30
4/17/2024	28.37	0.00	0.00	0.282	28.65	1.640	0.282	0.065	0.000	2.548	0.231	4.67	0.00	6.68	12.53	6.59	6.75	15.31	28.65	0.065	15.03
4/18/2024	27.20	0.00	0.00	0.242	27.44	1.304	0.242	0.052	0.000	2.026	0.249	4.24	0.00	6.76	12.57	5.79	6.81	14.85	27.44	0.052	14.61
4/19/2024	25.73	0.00	0.00	0.231	25.96	1.079	0.231	0.043	0.000	1.677	0.238	4.17	0.00	6.56	11.97	5.48	6.60	13.88	25.96	0.043	13.65
4/20/2024	25.36	0.00	0.00	0.193	25.55	0.682	0.193	0.027	0.000	1.059	0.191	4.42	0.00	6.89	12.09	5.29	6.92	13.34	25.55	0.027	13.15
4/21/2024	23.36	0.00	0.00	0.208	23.57	0.390	0.208	0.015	0.000	0.606	0.111	3.34	0.00	6.92	11.98	3.94	6.93	12.70	23.57	0.015	12.49
4/22/2024	27.89	0.00	0.00	0.161	28.05	1.686	0.161	0.067	0.000	2.619	0.123	4.37	0.00	6.77	12.25	6.22	6.84	14.99	28.05	0.067	14.83
4/23/2024	24.55	0.00	0.00	0.228	24.78	0.619	0.228	0.024	0.001	0.961	0.194	3.88	0.00	6.53	12.34	4.73	6.56	13.49	24.78	0.025	13.27
4/24/2024	25.97	0.00	0.00	0.240	26.21	0.845	0.240	0.033	0.000	1.313	0.192	4.54	0.00	6.70	12.35	5.63	6.73	13.86	26.21	0.034	13.62
4/25/2024	25.92	0.00	0.00	0.300	26.22	1.052	0.300	0.042	0.000	1.634	0.164	4.23	0.00	6.66	12.13	5.58	6.71	13.93	26.22	0.042	13.63
4/26/2024	28.45	0.00	0.00	0.288	28.74	2.402	0.288	0.095	0.000	3.731	0.182	4.21	0.00	6.44	11.39	6.90	6.53	15.31	28.74	0.095	15.02
4/27/2024	26.73	0.00	0.00	0.255	26.99	1.489	0.255	0.059	0.000	2.313	0.159	4.40	0.00	6.63	11.68	6.14	6.69	14.15	26.99	0.059	13.90
4/28/2024	26.61	0.00	0.00	0.307	26.92	1.187	0.307	0.047	0.000	1.844	0.198	4.50	0.00	7.00	11.84	5.99	7.04	13.88	26.92	0.047	13.57
4/29/2024	26.81	0.00	0.00	0.285	27.10	1.758	0.285	0.070	0.000	2.731	0.224	3.12	0.00	6.78	12.13	5.16	6.85	15.08	27.10	0.070	14.80

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
4/30/2024	28.47	0.00	0.00	0.358	28.83	2.058	0.358	0.081	0.000	3.197	0.249	4.14	0.00	6.67	12.07	6.56	6.75	15.52	28.83	0.081	15.16
5/1/2024	30.82	0.00	0.00	0.344	31.16	2.644	0.344	0.105	0.000	4.108	0.288	4.15	0.00	6.69	12.83	7.14	6.80	17.23	31.16	0.105	16.88
5/2/2024	29.27	0.00	0.00	0.432	29.70	2.398	0.432	0.095	0.000	3.725	0.290	4.09	0.00	6.70	11.97	6.92	6.80	15.98	29.70	0.095	15.55
5/3/2024	29.30	0.00	0.00	0.431	29.73	2.518	0.431	0.100	0.000	3.911	0.283	4.30	0.00	6.49	11.70	7.25	6.59	15.90	29.73	0.100	15.47
5/4/2024	25.29	0.00	0.00	0.275	25.57	0.368	0.275	0.015	0.000	0.572	0.227	6.48	0.00	6.52	11.11	7.12	6.54	11.90	25.57	0.015	11.63
5/5/2024	26.15	0.00	0.00	0.409	26.56	0.467	0.409	0.018	0.000	0.726	0.129	4.10	0.00	7.78	12.93	4.98	7.79	13.79	26.56	0.018	13.38
5/6/2024	27.69	0.00	0.00	0.366	28.06	1.127	0.366	0.045	0.000	1.752	0.165	4.49	0.00	7.23	12.88	5.98	7.27	14.80	28.06	0.045	14.43
5/7/2024	25.14	0.00	0.00	0.458	25.60	0.404	0.458	0.016	0.000	0.627	0.187	4.67	0.00	6.84	12.40	5.53	6.86	13.21	25.60	0.016	12.75
5/8/2024	25.60	0.00	0.00	0.422	26.02	0.983	0.422	0.039	0.000	1.527	0.254	3.17	0.00	6.80	12.82	4.57	6.84	14.60	26.02	0.039	14.18
5/9/2024	25.04	0.00	0.00	0.427	25.47	0.769	0.427	0.030	0.000	1.194	0.255	3.93	0.00	6.79	12.08	5.13	6.82	13.52	25.47	0.030	13.10
5/10/2024	29.19	0.00	0.00	0.320	29.51	2.057	0.320	0.081	0.000	3.195	0.239	4.81	0.00	6.70	12.11	7.19	6.78	15.55	29.51	0.081	15.23
5/11/2024	26.42	0.00	0.00	0.324	26.74	1.615	0.324	0.064	0.000	2.508	0.211	3.90	0.00	6.78	11.34	5.84	6.84	14.06	26.74	0.064	13.74
5/12/2024	26.40	0.00	0.00	0.358	26.76	1.480	0.358	0.059	0.000	2.299	0.220	3.73	0.00	7.01	11.61	5.57	7.06	14.13	26.76	0.059	13.77
5/13/2024	26.18	0.00	0.00	0.355	26.54	1.251	0.355	0.049	0.000	1.943	0.267	3.88	0.00	6.77	12.02	5.49	6.82	14.23	26.54	0.049	13.87
5/14/2024	25.94	0.00	0.00	0.346	26.29	0.413	0.346	0.016	0.000	0.642	0.236	4.87	0.00	6.70	13.07	5.63	6.71	13.95	26.29	0.016	13.60
5/15/2024	27.07	0.00	0.00	0.312	27.38	0.712	0.312	0.028	0.000	1.106	0.181	3.83	0.00	7.03	14.19	4.85	7.05	15.47	27.38	0.028	15.16
5/16/2024	22.94	0.00	0.00	0.374	23.31	0.393	0.374	0.016	0.000	0.611	0.161	2.93	0.00	6.61	12.22	3.70	6.63	12.99	23.31	0.016	12.61
5/17/2024	26.87	0.00	0.00	0.393	27.26	1.274	0.393	0.050	0.000	1.979	0.208	4.40	0.00	6.70	12.26	6.07	6.75	14.44	27.26	0.051	14.05
5/18/2024	23.05	0.00	0.00	0.360	23.41	0.368	0.360	0.015	0.000	0.572	0.144	4.33	0.00	6.41	11.21	5.06	6.42	11.93	23.41	0.015	11.57
5/19/2024	24.37	0.00	0.00	0.346	24.72	0.416	0.346	0.016	0.000	0.647	0.132	3.13	0.00	7.22	12.81	3.89	7.23	13.59	24.72	0.016	13.25
5/20/2024	27.76	0.00	0.00	0.317	28.08	1.742	0.317	0.069	0.000	2.707	0.161	4.20	0.00	6.97	11.91	6.26	7.04	14.78	28.08	0.069	14.46
5/21/2024	28.03	0.00	0.00	0.443	28.47	1.238	0.443	0.049	0.000	1.923	0.276	5.13	0.00	6.78	12.64	6.81	6.82	14.84	28.47	0.049	14.39
5/22/2024	28.17	0.00	0.00	0.452	28.62	1.956	0.452	0.077	0.000	3.038	0.222	3.42	0.00	6.73	12.72	5.83	6.81	15.98	28.62	0.077	15.53
5/23/2024	31.37	0.00	0.00	0.536	31.91	2.562	0.536	0.101	0.000	3.979	0.361	5.47	0.00	6.70	12.20	8.57	6.80	16.54	31.91	0.101	16.00
5/24/2024	27.11	0.00	0.00	0.454	27.56	2.009	0.454	0.079	0.002	3.120	0.274	3.58	0.00	6.64	11.40	6.04	6.72	14.80	27.56	0.081	14.34
5/25/2024	26.63	0.00	0.00	0.502	27.13	1.648	0.502	0.065	0.000	2.560	0.228	4.29	0.00	6.47	11.37	6.44	6.53	14.16	27.13	0.065	13.66
5/26/2024	25.84	0.00	0.00	0.506	26.35	1.555	0.506	0.062	0.000	2.415	0.206	3.70	0.00	6.39	11.51	5.76	6.45	14.13	26.35	0.062	13.63
5/27/2024	24.06	0.00	0.00	0.402	24.46	0.393	0.402	0.016	0.000	0.610	0.180	4.09	0.00	6.99	11.78	4.88	7.01	12.57	24.46	0.016	12.17
5/28/2024	29.30	0.00	0.00	0.519	29.82	1.922	0.519	0.076	0.000	2.986	0.263	5.39	0.00	7.04	11.62	7.83	7.12	14.87	29.82	0.076	14.35
5/29/2024	29.74	0.00	0.00	0.434	30.17	2.899	0.434	0.115	0.000	4.504	0.270	3.80	0.00	6.84	11.32	7.13	6.95	16.09	30.17	0.115	15.66
5/30/2024	27.62	0.00	0.00	0.484	28.10	1.954	0.484	0.077	0.000	3.035	0.283	4.39	0.00	6.69	11.19	6.83	6.77	14.51	28.10	0.077	14.03
5/31/2024	29.29	0.00	0.00	0.393	29.68	2.888	0.393	0.114	0.001	4.486	0.300	4.66	0.00	6.55	10.29	7.94	6.66	15.08	29.68	0.115	14.69
6/1/2024	29.14	0.00	0.00	0.494	29.63	2.367	0.494	0.094	0.000	3.677	0.311	4.78	0.00	6.73	11.18	7.64	6.83	15.17	29.63	0.094	14.67
6/2/2024	28.42	0.00	0.00	0.437	28.86	2.324	0.437	0.092	0.000	3.611	0.357	3.56	0.00	7.04	11.43	6.32	7.14	15.40	28.86	0.092	14.96
6/3/2024	26.18	0.00	0.00	0.499	26.68	1.476	0.499	0.058	0.000	2.293	0.308	3.88	0.00	6.89	11.27	5.86	6.95	13.87	26.68	0.058	13.38
6/4/2024	31.75	0.00	0.00	0.615	32.37	2.610	0.615	0.103	0.000	4.054	0.362	5.28	0.00	6.73	12.61	8.50	6.83	17.03	32.37	0.103	16.42
6/5/2024	31.17	0.00	0.00	0.602	31.77	2.910	0.602	0.115	0.000	4.521	0.323	4.97	0.00	6.75	11.58	8.48	6.86	16.43	31.77	0.115	15.82
6/6/2024	30.73	0.00	0.00	0.628	31.36	3.011	0.628	0.119	0.000	4.678	0.314	4.65	0.00	6.88	11.08	8.29	7.00	16.07	31.36	0.119	15.44
6/7/2024	28.60	0.00	0.00	0.496	29.10	2.589	0.496	0.102	0.000	4.022	0.243	3.52	0.00	6.80	11.32	6.61	6.91	15.58	29.10	0.102	15.09
6/8/2024	29.83	0.00	0.00	0.602	30.43	2.890	0.602	0.114	0.000	4.489	0.226	4.70	0.00	6.73	10.68	8.19	6.84	15.40	30.43	0.114	14.80

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
6/9/2024	28.47	0.00	0.00	0.595	29.07	2.508	0.595	0.099	0.000	3.896	0.238	3.67	0.00	7.09	10.97	6.77	7.19	15.11	29.07	0.099	14.51
6/10/2024	28.09	0.00	0.00	0.496	28.59	2.458	0.496	0.097	0.000	3.818	0.279	3.87	0.00	6.80	10.77	6.82	6.90	14.87	28.59	0.097	14.37
6/11/2024	32.78	0.00	0.00	0.588	33.37	3.898	0.588	0.154	0.000	6.055	0.437	5.02	0.00	6.52	10.70	9.51	6.67	17.19	33.37	0.154	16.60
6/12/2024	32.26	0.00	0.00	0.569	32.83	3.599	0.569	0.142	0.000	5.590	0.374	3.88	0.00	6.63	12.05	8.05	6.77	18.01	32.83	0.142	17.44
6/13/2024	32.23	0.00	0.00	0.610	32.84	4.092	0.610	0.162	0.000	6.357	0.364	4.69	0.00	6.49	10.07	9.39	6.65	16.79	32.84	0.162	16.18
6/14/2024	33.57	0.00	0.00	0.726	34.30	4.356	0.726	0.172	0.000	6.768	0.412	5.14	0.00	6.40	10.32	10.22	6.57	17.50	34.30	0.172	16.77
6/15/2024	33.64	0.00	0.00	0.690	34.33	4.514	0.690	0.179	0.000	7.013	0.355	4.88	0.00	6.50	10.20	10.08	6.68	17.57	34.33	0.179	16.88
6/16/2024	31.40	0.00	0.00	0.716	32.12	4.033	0.716	0.160	0.000	6.266	0.323	3.92	0.00	6.54	10.16	8.67	6.70	16.75	32.12	0.160	16.03
6/17/2024	32.90	0.00	0.00	0.651	33.55	4.138	0.651	0.164	0.000	6.429	0.419	4.24	0.00	6.49	11.02	9.03	6.65	17.87	33.55	0.164	17.22
6/18/2024	33.91	0.00	0.00	0.718	34.63	4.469	0.718	0.177	0.000	6.942	0.486	4.99	0.00	6.28	10.56	10.18	6.46	17.99	34.63	0.177	17.27
6/19/2024	35.23	0.00	0.00	0.671	35.90	5.234	0.671	0.207	0.000	8.132	0.383	4.62	0.00	6.39	10.26	10.53	6.60	18.78	35.90	0.207	18.10
6/20/2024	35.01	0.00	0.00	0.759	35.77	4.924	0.759	0.195	0.000	7.649	0.497	5.25	0.00	6.22	10.27	10.93	6.42	18.42	35.77	0.195	17.66
6/21/2024	34.66	0.00	0.00	0.634	35.29	5.892	0.634	0.233	0.000	9.153	0.475	2.42	0.00	6.22	10.27	8.95	6.45	19.89	35.29	0.233	19.26
6/22/2024	36.66	0.00	0.00	0.813	37.47	5.376	0.813	0.213	0.000	8.351	0.628	5.57	0.00	6.34	10.18	11.76	6.55	19.16	37.47	0.213	18.35
6/23/2024	35.94	0.00	0.00	0.736	36.68	5.463	0.736	0.216	0.000	8.487	0.667	4.17	0.00	6.61	10.32	10.37	6.83	19.48	36.68	0.216	18.74
6/24/2024	37.62	0.00	0.00	0.650	38.27	5.694	0.650	0.225	0.000	8.846	0.471	5.47	0.00	6.39	10.52	11.81	6.62	19.84	38.27	0.225	19.19
6/25/2024	36.24	0.00	0.00	0.711	36.95	5.661	0.711	0.224	0.001	8.795	0.594	3.95	0.00	6.25	10.77	10.32	6.47	20.16	36.95	0.225	19.44
6/26/2024	39.91	0.00	0.00	0.716	40.63	6.959	0.716	0.275	0.000	10.811	0.622	4.63	0.00	6.25	10.36	12.31	6.53	21.79	40.63	0.275	21.08
6/27/2024	35.96	0.00	0.00	0.776	36.74	5.530	0.776	0.219	0.000	8.590	0.539	4.96	0.00	6.12	10.01	11.27	6.33	19.14	36.74	0.219	18.36
6/28/2024	37.65	0.00	0.00	0.775	38.43	6.363	0.775	0.252	0.000	9.885	0.462	4.49	0.00	6.10	10.10	11.63	6.35	20.45	38.43	0.252	19.67
6/29/2024	34.90	0.00	0.00	0.835	35.74	5.428	0.835	0.215	0.000	8.433	0.527	4.36	0.00	6.18	9.76	10.62	6.39	18.72	35.74	0.215	17.89
6/30/2024	35.31	0.00	0.00	0.638	35.95	5.151	0.638	0.204	0.000	8.002	0.408	4.53	0.00	6.70	10.32	10.32	6.90	18.73	35.95	0.204	18.09
7/1/2024	29.82	0.00	0.00	0.645	30.47	3.439	0.645	0.136	0.000	5.342	0.381	4.46	0.00	6.22	9.84	8.54	6.36	15.57	30.47	0.136	14.92
7/2/2024	32.95	0.00	0.00	0.807	33.76	4.605	0.807	0.182	0.000	7.154	0.464	4.77	0.00	5.96	9.81	10.18	6.15	17.43	33.76	0.182	16.62
7/3/2024	35.37	0.00	0.00	0.801	36.17	5.758	0.801	0.228	0.000	8.944	0.521	4.06	0.00	5.94	9.92	10.62	6.17	19.38	36.17	0.228	18.58
7/4/2024	32.65	0.00	0.00	0.790	33.44	5.022	0.790	0.199	0.000	7.802	0.511	4.17	0.00	5.92	9.03	9.98	6.12	17.34	33.44	0.199	16.55
7/5/2024	35.07	0.00	0.00	0.784	35.85	5.605	0.784	0.222	0.000	8.707	0.430	5.07	0.00	6.03	9.01	11.46	6.25	18.15	35.85	0.222	17.36
7/6/2024	29.48	0.00	0.00	0.607	30.09	3.260	0.607	0.129	0.000	5.064	0.433	3.54	0.00	6.52	10.54	7.41	6.65	16.03	30.09	0.129	15.43
7/7/2024	29.52	0.00	0.00	0.528	30.05	2.632	0.528	0.104	0.000	4.089	0.276	4.36	0.00	7.15	10.91	7.52	7.26	15.27	30.05	0.104	14.74
7/8/2024	27.58	0.00	0.00	0.655	28.24	2.082	0.655	0.082	0.000	3.234	0.331	3.99	0.00	7.06	10.80	6.73	7.14	14.36	28.24	0.082	13.71
7/9/2024	30.77	0.00	0.00	0.816	31.59	2.820	0.816	0.112	0.000	4.381	0.451	5.17	0.00	6.88	10.96	8.81	6.99	15.79	31.59	0.112	14.98
7/10/2024	34.19	0.00	0.00	0.624	34.81	4.295	0.624	0.170	0.000	6.673	0.463	4.22	0.00	6.87	11.50	9.14	7.04	18.64	34.81	0.170	18.01
7/11/2024	29.35	0.00	0.00	0.782	30.13	2.132	0.782	0.084	0.000	3.312	0.373	5.11	0.00	6.60	11.74	8.02	6.68	15.42	30.13	0.084	14.64
7/12/2024	26.57	0.00	0.00	0.499	27.07	0.701	0.499	0.028	0.000	1.089	0.266	3.05	0.00	7.88	13.56	4.25	7.90	14.91	27.07	0.028	14.42
7/13/2024	26.82	0.00	0.00	0.598	27.42	0.960	0.598	0.038	0.000	1.491	0.284	4.16	0.00	7.34	12.55	5.72	7.38	14.32	27.42	0.038	13.72
7/14/2024	29.09	0.00	0.00	0.634	29.72	2.494	0.634	0.099	0.000	3.874	0.305	3.93	0.00	7.00	11.39	7.06	7.10	15.57	29.72	0.099	14.93
7/15/2024	31.99	0.00	0.00	0.641	32.63	3.835	0.641	0.152	0.000	5.958	0.374	4.40	0.00	6.46	10.81	8.88	6.61	17.14	32.63	0.152	16.50
7/16/2024	31.26	0.00	0.00	0.686	31.95	3.439	0.686	0.136	0.000	5.342	0.432	4.66	0.00	6.26	10.99	8.78	6.40	16.76	31.95	0.136	16.08
7/17/2024	33.29	0.00	0.00	0.762	34.05	3.812	0.762	0.151	0.000	5.922	0.374	4.81	0.00	6.91	11.31	9.38	7.06	17.61	34.05	0.151	16.84
7/18/2024	29.39	0.00	0.00	0.673	30.06	2.179	0.673	0.086	0.000	3.384	0.359	4.06	0.00	7.32	12.01	6.91	7.40	15.75	30.06	0.086	15.08

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
7/19/2024	26.50	0.00	0.00	0.563	27.06	1.649	0.563	0.065	0.000	2.562	0.254	3.42	0.00	7.03	11.52	5.63	7.09	14.34	27.06	0.065	13.78
7/20/2024	27.30	0.00	0.00	0.661	27.96	1.976	0.661	0.078	0.000	3.070	0.281	3.67	0.00	6.90	11.33	6.31	6.98	14.68	27.96	0.078	14.02
7/21/2024	27.82	0.00	0.00	0.642	28.46	2.147	0.642	0.085	0.000	3.335	0.212	3.59	0.00	7.10	11.35	6.38	7.19	14.90	28.46	0.085	14.25
7/22/2024	26.34	0.00	0.00	0.442	26.78	0.442	0.442	0.017	0.000	0.686	0.211	3.88	0.00	5.85	15.25	4.76	5.87	16.15	26.78	0.017	15.71
7/23/2024	27.67	0.00	0.00	0.524	28.19	0.948	0.524	0.037	0.000	1.472	0.240	3.76	0.00	7.54	13.67	5.23	7.58	15.38	28.19	0.037	14.86
7/24/2024	26.82	0.00	0.00	0.522	27.34	0.462	0.522	0.018	0.000	0.718	0.198	3.38	0.00	7.69	14.35	4.36	7.71	15.27	27.34	0.018	14.75
7/25/2024	27.39	0.00	0.00	0.480	27.87	0.444	0.480	0.018	0.000	0.690	0.215	4.83	0.00	7.29	13.90	5.75	7.31	14.80	27.87	0.018	14.32
7/26/2024	28.31	0.00	0.00	0.463	28.77	2.587	0.463	0.102	0.000	4.018	0.171	3.17	0.00	5.23	13.03	6.22	5.33	17.22	28.77	0.102	16.76
7/27/2024	24.36	0.00	0.00	0.492	24.85	0.697	0.492	0.028	0.000	1.083	0.245	3.13	0.00	7.11	12.07	4.32	7.14	13.40	24.85	0.028	12.91
7/28/2024	29.47	0.00	0.00	0.521	29.99	2.802	0.521	0.111	0.000	4.354	0.222	2.88	0.00	7.30	11.80	6.20	7.41	16.38	29.99	0.111	15.85
7/29/2024	27.02	0.00	0.00	0.464	27.48	1.476	0.464	0.058	0.000	2.293	0.197	4.02	0.00	7.23	11.74	5.96	7.29	14.23	27.48	0.058	13.77
7/30/2024	27.63	0.00	0.00	0.619	28.25	1.715	0.619	0.068	0.000	2.665	0.215	3.74	0.00	6.97	12.26	6.07	7.03	15.14	28.25	0.068	14.52
7/31/2024	28.78	0.00	0.00	0.600	29.38	2.412	0.600	0.095	0.000	3.746	0.237	3.04	0.00	6.80	12.45	6.05	6.89	16.43	29.38	0.095	15.83
8/1/2024	29.14	0.00	0.00	0.629	29.77	2.459	0.629	0.097	0.000	3.820	0.252	4.10	0.00	6.90	11.51	7.19	7.00	15.58	29.77	0.097	14.95
8/2/2024	33.43	0.00	0.00	0.685	34.12	4.012	0.685	0.159	0.000	6.232	0.295	5.02	0.00	6.71	11.00	9.72	6.87	17.53	34.12	0.159	16.84
8/3/2024	29.30	0.00	0.00	0.482	29.78	1.653	0.482	0.065	0.000	2.568	0.319	4.21	0.00	7.82	12.67	6.35	7.88	15.56	29.78	0.065	15.07
8/4/2024	26.37	0.00	0.00	0.556	26.93	1.070	0.556	0.042	0.000	1.662	0.192	3.17	0.00	7.81	12.43	4.80	7.85	14.28	26.93	0.042	13.73
8/5/2024	26.18	0.00	0.00	0.451	26.63	1.165	0.451	0.046	0.000	1.810	0.183	3.01	0.00	7.11	12.86	4.63	7.16	14.85	26.63	0.046	14.40
8/6/2024	27.65	0.00	0.00	0.394	28.04	1.834	0.394	0.073	0.000	2.848	0.126	3.70	0.00	6.68	12.39	5.93	6.75	15.36	28.04	0.073	14.97
8/7/2024	25.33	0.00	0.00	0.334	25.66	0.435	0.334	0.017	0.000	0.675	0.080	3.13	0.00	7.02	13.98	3.90	7.03	14.73	25.66	0.017	14.40
8/8/2024	25.28	0.00	0.00	0.353	25.63	0.417	0.353	0.016	0.000	0.648	-0.003	4.01	0.00	6.56	13.63	4.78	6.57	14.28	25.63	0.016	13.93
8/9/2024	25.73	0.00	0.00	0.301	26.03	0.433	0.301	0.017	0.000	0.672	0.035	3.60	0.00	7.15	13.83	4.33	7.17	14.53	26.03	0.017	14.23
8/10/2024	25.95	0.00	0.00	0.335	26.29	0.444	0.335	0.018	0.001	0.690	0.018	3.24	0.00	7.62	13.92	4.02	7.64	14.63	26.29	0.019	14.30
8/11/2024	27.73	0.00	0.00	0.399	28.13	0.472	0.399	0.019	0.000	0.733	0.032	3.65	0.00	8.29	14.54	4.52	8.30	15.30	28.13	0.019	14.90
8/12/2024	29.43	0.00	0.00	0.530	29.96	1.369	0.530	0.054	0.000	2.127	0.114	4.11	0.00	7.72	13.93	6.01	7.78	16.18	29.96	0.054	15.65
8/13/2024	28.30	0.00	0.00	0.526	28.83	1.199	0.526	0.047	0.000	1.862	0.211	3.99	0.00	7.52	13.47	5.71	7.57	15.54	28.83	0.047	15.02
8/14/2024	27.28	0.00	0.00	0.509	27.79	1.393	0.509	0.055	0.000	2.164	0.221	2.83	0.00	7.41	13.21	4.73	7.46	15.59	27.79	0.055	15.09
8/15/2024	30.72	0.00	0.00	0.553	31.27	2.241	0.553	0.089	0.000	3.482	0.296	4.38	0.00	7.33	12.90	7.17	7.42	16.68	31.27	0.089	16.13
8/16/2024	31.15	0.00	0.00	0.636	31.79	3.156	0.636	0.125	0.000	4.903	0.398	3.81	0.00	7.08	11.68	7.60	7.20	16.98	31.79	0.125	16.34
8/17/2024	30.31	0.00	0.00	0.587	30.90	2.671	0.587	0.106	0.000	4.149	0.254	4.04	0.00	7.16	11.93	7.30	7.27	16.33	30.90	0.106	15.75
8/18/2024	29.92	0.00	0.00	0.548	30.47	2.272	0.548	0.090	0.000	3.529	0.208	4.12	0.00	7.42	12.28	6.94	7.51	16.01	30.47	0.090	15.47
8/19/2024	30.33	0.00	0.00	0.698	31.03	2.691	0.698	0.106	0.000	4.180	0.281	3.86	0.00	7.02	12.19	7.25	7.13	16.65	31.03	0.107	15.95
8/20/2024	31.11	0.00	0.00	0.669	31.78	3.213	0.669	0.127	0.000	4.992	0.365	4.10	0.00	6.76	11.55	7.98	6.89	16.91	31.78	0.127	16.24
8/21/2024	33.30	0.00	0.00	0.658	33.96	4.215	0.658	0.167	0.000	6.549	0.346	3.41	0.00	6.75	11.86	8.28	6.92	18.76	33.96	0.167	18.10
8/22/2024	31.15	0.00	0.00	0.587	31.74	3.695	0.587	0.146	0.000	5.740	0.366	3.06	0.00	6.74	11.40	7.34	6.89	17.51	31.74	0.146	16.92
8/23/2024	32.64	0.00	0.00	0.606	33.25	4.284	0.606	0.169	0.000	6.654	0.370	3.26	0.00	6.72	11.18	8.15	6.89	18.20	33.25	0.169	17.60
8/24/2024	31.26	0.00	0.00	0.542	31.80	3.803	0.542	0.150	0.000	5.907	0.339	2.80	0.00	6.94	11.32	7.14	7.09	17.56	31.80	0.150	17.02
8/25/2024	33.43	0.00	0.00	0.637	34.07	4.433	0.637	0.175	0.000	6.886	0.323	3.10	0.00	7.24	11.27	8.17	7.42	18.48	34.07	0.175	17.84
8/26/2024	32.44	0.00	0.00	0.708	33.15	4.242	0.708	0.168	0.000	6.590	0.398	2.82	0.00	7.07	11.16	7.77	7.23	18.14	33.15	0.168	17.44
8/27/2024	33.90	0.00	0.00	0.718	34.62	4.522	0.718	0.179	0.000	7.025	0.446	3.53	0.00	6.83	11.37	8.77	7.01	18.84	34.62	0.179	18.12

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
8/28/2024	36.06	0.00	0.00	0.773	36.83	4.832	0.773	0.191	0.000	7.507	0.451	4.45	0.00	6.90	11.73	10.06	7.09	19.68	36.83	0.191	18.91
8/29/2024	34.90	0.00	0.00	0.791	35.69	4.981	0.791	0.197	0.000	7.738	0.429	3.59	0.00	6.77	11.19	9.36	6.97	19.36	35.69	0.197	18.57
8/30/2024	33.50	0.00	0.00	0.596	34.10	4.211	0.596	0.167	0.000	6.542	0.431	3.34	0.00	7.06	11.75	8.15	7.22	18.73	34.10	0.167	18.13
8/31/2024	28.28	0.00	0.00	0.713	28.99	2.287	0.713	0.090	0.000	3.553	0.299	3.75	0.00	6.64	11.66	6.75	6.73	15.51	28.99	0.090	14.80
9/1/2024	29.05	0.00	0.00	0.707	29.76	1.831	0.707	0.072	0.000	2.845	0.298	2.25	0.00	7.73	14.02	4.79	7.80	17.17	29.76	0.073	16.46
9/2/2024	25.93	0.00	0.00	0.579	26.51	0.469	0.579	0.019	0.000	0.728	0.291	2.20	0.00	7.97	14.25	3.25	7.99	15.27	26.51	0.019	14.69
9/3/2024	31.01	0.00	0.00	0.502	31.51	2.238	0.502	0.089	0.000	3.477	0.293	4.18	0.00	7.36	13.37	6.92	7.45	17.14	31.51	0.089	16.64
9/4/2024	29.83	0.00	0.00	0.509	30.34	2.799	0.509	0.111	0.000	4.348	0.290	2.31	0.00	7.00	12.97	5.62	7.11	17.61	30.34	0.111	17.10
9/5/2024	29.59	0.00	0.00	0.504	30.09	3.136	0.504	0.124	0.000	4.872	0.353	2.52	0.00	6.85	11.73	6.16	6.98	16.96	30.09	0.124	16.45
9/6/2024	31.01	0.00	0.00	0.532	31.54	3.719	0.532	0.147	0.000	5.778	0.361	2.33	0.00	6.91	11.76	6.58	7.06	17.90	31.54	0.147	17.37
9/7/2024	29.56	0.00	0.00	0.517	30.08	2.907	0.517	0.115	0.000	4.517	0.293	3.34	0.00	7.17	11.22	6.76	7.28	16.03	30.08	0.115	15.51
9/8/2024	31.35	0.00	0.00	0.523	31.87	3.812	0.523	0.151	0.000	5.921	0.300	2.10	0.00	7.38	11.69	6.43	7.53	17.91	31.87	0.151	17.39
9/9/2024	30.72	0.00	0.00	0.533	31.25	3.405	0.533	0.135	0.000	5.290	0.339	3.06	0.00	6.92	11.57	7.00	7.06	17.20	31.25	0.135	16.67
9/10/2024	31.82	0.00	0.00	0.520	32.34	4.018	0.520	0.159	0.000	6.241	0.412	2.57	0.00	6.77	11.65	7.11	6.93	18.30	32.34	0.159	17.78
9/11/2024	31.05	0.00	0.00	0.596	31.65	3.849	0.596	0.152	0.000	5.979	0.324	2.06	0.00	6.84	11.84	6.50	6.99	18.15	31.65	0.152	17.55
9/12/2024	31.75	0.00	0.00	0.537	32.29	3.555	0.537	0.141	0.000	5.523	0.387	3.76	0.00	6.77	11.61	7.85	6.91	17.52	32.29	0.141	16.98
9/13/2024	29.48	0.00	0.00	0.411	29.89	1.851	0.411	0.073	0.000	2.875	0.349	2.64	0.00	7.75	13.94	4.90	7.83	17.16	29.89	0.073	16.75
9/14/2024	28.78	0.00	0.00	0.431	29.21	1.661	0.431	0.066	0.000	2.580	0.290	3.11	0.00	7.65	13.42	5.20	7.72	16.29	29.21	0.066	15.86
9/15/2024	26.72	0.00	0.00	0.483	27.20	1.894	0.483	0.075	0.000	2.943	0.265	1.28	0.00	7.67	12.60	3.66	7.74	15.80	27.20	0.075	15.32
9/16/2024	27.36	0.00	0.00	0.341	27.70	0.482	0.341	0.019	0.000	0.749	0.188	2.68	0.00	8.24	15.00	3.50	8.25	15.94	27.70	0.019	15.60
9/17/2024	27.08	0.00	0.00	0.431	27.51	0.460	0.431	0.018	0.000	0.714	0.103	3.66	0.00	7.03	15.10	4.55	7.05	15.91	27.51	0.018	15.48
9/18/2024	28.56	0.00	0.00	0.394	28.95	0.479	0.394	0.019	0.000	0.745	0.149	4.09	0.00	7.85	15.23	4.96	7.87	16.12	28.95	0.019	15.73
9/19/2024	27.36	0.00	0.00	0.433	27.79	0.455	0.433	0.018	0.000	0.706	0.197	4.21	0.00	7.94	13.84	5.10	7.96	14.74	27.79	0.018	14.31
9/20/2024	26.31	0.00	0.00	0.410	26.72	0.792	0.410	0.031	0.000	1.230	0.189	2.60	0.00	7.67	13.79	3.80	7.70	15.21	26.72	0.031	14.80
9/21/2024	27.85	0.00	0.00	0.398	28.25	1.209	0.398	0.048	0.000	1.878	0.166	3.91	0.00	7.60	13.04	5.52	7.65	15.08	28.25	0.048	14.68
9/22/2024	27.42	0.00	0.00	0.469	27.89	0.478	0.469	0.019	0.000	0.742	0.096	3.12	0.00	8.71	14.25	4.07	8.73	15.09	27.89	0.019	14.62
9/23/2024	28.43	0.00	0.00	0.455	28.89	1.364	0.455	0.054	0.000	2.119	0.170	3.74	0.00	7.86	13.12	5.56	7.91	15.41	28.89	0.054	14.96
9/24/2024	27.49	0.00	0.00	0.418	27.91	0.469	0.418	0.019	0.000	0.729	0.212	3.57	0.00	7.77	14.72	4.46	7.79	15.66	27.91	0.019	15.24
9/25/2024	25.50	0.00	0.00	0.460	25.96	0.432	0.460	0.017	0.000	0.671	0.190	3.55	0.00	6.68	13.96	4.44	6.70	14.82	25.96	0.017	14.36
9/26/2024	24.27	0.00	0.00	0.482	24.75	0.455	0.482	0.018	0.000	0.707	0.159	1.16	0.00	7.48	14.30	2.10	7.49	15.16	24.75	0.018	14.68
9/27/2024	29.38	0.00	0.00	0.418	29.80	0.458	0.418	0.018	0.000	0.712	0.163	6.02	0.00	7.75	14.25	6.90	7.77	15.13	29.80	0.018	14.71
9/28/2024	26.98	0.00	0.00	0.421	27.40	0.465	0.421	0.018	0.000	0.722	0.181	3.30	0.00	7.80	14.49	4.19	7.82	15.39	27.40	0.018	14.97
9/29/2024	26.79	0.00	0.00	0.491	27.28	0.449	0.491	0.018	0.000	0.697	0.157	4.02	0.00	7.91	13.54	4.96	7.93	14.39	27.28	0.018	13.90
9/30/2024	25.51	0.00	0.00	0.433	25.94	0.434	0.433	0.017	0.000	0.674	0.290	3.44	0.00	7.08	13.58	4.31	7.10	14.54	25.94	0.017	14.11
10/1/2024	27.28	0.00	0.00	0.483	27.76	0.457	0.483	0.018	0.000	0.710	0.201	4.05	0.00	7.85	13.99	4.99	7.87	14.91	27.76	0.018	14.42
10/2/2024	27.21	0.00	0.00	0.405	27.62	0.562	0.405	0.022	0.000	0.873	0.219	3.77	0.00	7.60	14.17	4.74	7.62	15.26	27.62	0.022	14.85
10/3/2024	27.24	0.00	0.00	0.457	27.70	1.302	0.457	0.051	0.000	2.022	0.201	2.95	0.00	7.56	13.15	4.71	7.61	15.37	27.70	0.051	14.92
10/4/2024	26.05	0.00	0.00	0.441	26.49	0.998	0.441	0.039	0.000	1.550	0.247	3.14	0.00	7.26	12.81	4.58	7.30	14.61	26.49	0.040	14.17
10/5/2024	27.77	0.00	0.00	0.406	28.18	1.335	0.406	0.053	0.000	2.075	0.277	4.13	0.00	7.41	12.49	5.87	7.46	14.84	28.18	0.053	14.44
10/6/2024	27.96	0.00	0.00	0.482	28.44	1.686	0.482	0.067	0.000	2.619	0.252	2.78	0.00	7.80	12.76	4.95	7.86	15.63	28.44	0.067	15.15

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
10/7/2024	29.72	0.00	0.00	0.416	30.14	2.249	0.416	0.089	0.000	3.494	0.334	4.22	0.00	7.39	11.94	6.89	7.48	15.77	30.14	0.089	15.35
10/8/2024	28.61	0.00	0.00	0.411	29.02	1.887	0.411	0.075	0.000	2.931	0.319	3.86	0.00	7.06	12.48	6.16	7.14	15.73	29.02	0.075	15.32
10/9/2024	27.19	0.00	0.00	0.399	27.59	1.991	0.399	0.079	0.000	3.094	0.313	2.78	0.00	7.09	11.84	5.17	7.17	15.25	27.59	0.079	14.85
10/10/2024	30.24	0.00	0.00	0.463	30.70	2.357	0.463	0.093	0.001	3.661	0.312	4.63	0.00	7.03	12.16	7.45	7.12	16.13	30.70	0.094	15.67
10/11/2024	30.58	0.00	0.00	0.496	31.08	3.138	0.496	0.124	0.000	4.874	0.290	3.44	0.00	6.99	11.72	7.07	7.12	16.88	31.08	0.124	16.39
10/12/2024	29.44	0.00	0.00	0.501	29.94	2.371	0.501	0.094	0.000	3.684	0.304	4.12	0.00	7.11	11.76	6.99	7.20	15.74	29.94	0.094	15.24
10/13/2024	29.34	0.00	0.00	0.523	29.86	2.371	0.523	0.094	0.000	3.683	0.318	3.80	0.00	7.29	11.78	6.69	7.38	15.79	29.86	0.094	15.26
10/14/2024	28.46	0.00	0.00	0.511	28.97	2.074	0.511	0.082	0.000	3.222	0.312	2.58	0.00	7.17	13.02	5.17	7.25	16.56	28.97	0.082	16.04
10/15/2024	29.65	0.00	0.00	0.494	30.14	2.991	0.494	0.118	0.001	4.647	0.289	3.83	0.00	6.89	10.88	7.32	7.01	15.82	30.14	0.119	15.33
10/16/2024	29.36	0.00	0.00	0.596	29.96	2.705	0.596	0.107	0.000	4.202	0.293	2.91	0.00	6.79	12.35	6.21	6.90	16.85	29.96	0.107	16.25
10/17/2024	29.97	0.00	0.00	0.495	30.47	3.025	0.495	0.120	0.000	4.700	0.323	3.66	0.00	6.81	11.33	7.18	6.93	16.35	30.47	0.120	15.86
10/18/2024	30.24	0.00	0.00	0.474	30.71	3.188	0.474	0.126	0.000	4.953	0.338	3.32	0.00	6.93	11.38	6.98	7.06	16.68	30.71	0.126	16.20
10/19/2024	28.36	0.00	0.00	0.425	28.79	2.166	0.425	0.086	0.000	3.364	0.347	3.94	0.00	7.58	10.88	6.53	7.66	14.59	28.79	0.086	14.17
10/20/2024	31.12	0.00	0.00	0.505	31.63	3.054	0.505	0.121	0.000	4.744	0.293	3.73	0.00	7.32	11.86	7.29	7.44	16.90	31.63	0.121	16.39
10/21/2024	27.76	0.00	0.00	0.537	28.30	2.675	0.537	0.106	0.000	4.156	0.341	2.51	0.00	6.94	11.03	5.72	7.05	15.53	28.30	0.106	14.99
10/22/2024	30.60	0.00	0.00	0.486	31.09	3.107	0.486	0.123	0.000	4.826	0.342	4.24	0.00	6.77	11.20	7.83	6.89	16.36	31.09	0.123	15.88
10/23/2024	32.22	0.00	0.00	0.483	32.70	3.708	0.483	0.147	0.000	5.761	0.273	3.46	0.00	6.81	12.07	7.65	6.95	18.10	32.70	0.147	17.62
10/24/2024	29.07	0.00	0.00	0.471	29.54	2.612	0.471	0.103	0.001	4.058	0.373	3.90	0.00	6.70	11.33	6.98	6.80	15.76	29.54	0.105	15.29
10/25/2024	30.98	0.00	0.00	0.484	31.46	3.571	0.484	0.141	0.001	5.548	0.324	4.26	0.00	6.54	10.60	8.32	6.68	16.47	31.46	0.142	15.99
10/26/2024	29.25	0.00	0.00	0.465	29.72	3.047	0.465	0.121	0.000	4.733	0.341	3.12	0.00	6.80	11.09	6.63	6.92	16.16	29.72	0.121	15.69
10/27/2024	26.69	0.00	0.00	0.447	27.14	1.811	0.447	0.072	0.000	2.813	0.283	2.92	0.00	7.28	11.51	5.18	7.35	14.61	27.14	0.072	14.16
10/28/2024	27.00	0.00	0.00	0.520	27.52	1.948	0.520	0.077	0.000	3.026	0.232	3.38	0.00	6.91	11.42	5.85	6.99	14.68	27.52	0.077	14.16
10/29/2024	28.93	0.00	0.00	0.522	29.45	2.235	0.522	0.088	0.000	3.473	0.344	4.79	0.00	6.76	11.23	7.55	6.85	15.05	29.45	0.089	14.53
10/30/2024	29.10	0.00	0.00	0.585	29.69	2.840	0.585	0.112	0.000	4.412	0.319	2.68	0.00	6.80	11.94	6.11	6.91	16.67	29.69	0.112	16.08
10/31/2024	30.08	0.00	0.00	0.590	30.67	3.206	0.590	0.127	0.000	4.980	0.317	4.25	0.00	6.61	10.59	8.05	6.74	15.88	30.67	0.127	15.29
11/1/2024	27.57	0.00	0.00	0.464	28.03	2.399	0.464	0.095	0.000	3.726	0.321	2.96	0.00	6.74	11.33	5.82	6.83	15.38	28.03	0.095	14.92
11/2/2024	27.35	0.00	0.00	0.444	27.79	1.665	0.444	0.066	0.000	2.587	0.362	4.92	0.00	6.79	10.96	7.03	6.86	13.91	27.79	0.066	13.46
11/3/2024	28.53	0.00	0.00	0.474	29.00	2.383	0.474	0.094	0.000	3.702	0.319	3.14	0.00	7.12	11.77	6.00	7.22	15.79	29.00	0.094	15.32
11/4/2024	28.21	0.00	0.00	0.492	28.70	2.452	0.492	0.097	0.000	3.809	0.302	4.08	0.00	6.69	10.78	7.02	6.79	14.89	28.70	0.097	14.40
11/5/2024	27.83	0.00	0.00	0.490	28.32	2.358	0.490	0.093	0.000	3.664	0.362	3.65	0.00	6.68	11.03	6.50	6.77	15.05	28.32	0.093	14.56
11/6/2024	27.31	0.00	0.00	0.494	27.80	2.348	0.494	0.093	0.001	3.647	0.260	3.29	0.00	6.62	11.06	6.13	6.71	14.96	27.80	0.093	14.47
11/7/2024	28.38	0.00	0.00	0.531	28.91	2.330	0.531	0.092	0.000	3.620	0.242	3.42	0.00	6.74	11.94	6.28	6.83	15.80	28.91	0.092	15.27
11/8/2024	25.64	0.00	0.00	0.442	26.08	1.350	0.442	0.053	0.000	2.097	0.221	4.30	0.00	6.61	11.00	6.09	6.67	13.32	26.08	0.054	12.88
11/9/2024	25.85	0.00	0.00	0.447	26.30	1.748	0.447	0.069	0.000	2.715	0.248	3.51	0.00	6.69	10.87	5.70	6.76	13.83	26.30	0.069	13.39
11/10/2024	25.83	0.00	0.00	0.357	26.19	1.846	0.357	0.073	0.000	2.867	0.209	2.74	0.00	6.93	11.16	4.94	7.01	14.24	26.19	0.073	13.88
11/11/2024	25.02	0.00	0.00	0.405	25.43	0.946	0.405	0.037	0.000	1.469	0.212	3.41	0.00	7.14	11.81	4.76	7.17	13.49	25.43	0.037	13.08
11/12/2024	27.69	0.00	0.00	0.412	28.10	1.938	0.412	0.077	0.000	3.010	0.196	4.80	0.00	6.70	10.97	7.15	6.78	14.17	28.10	0.077	13.76
11/13/2024	24.93	0.00	0.00	0.425	25.36	1.836	0.425	0.073	0.000	2.853	0.229	2.60	0.00	6.56	10.78	4.86	6.63	13.86	25.36	0.073	13.44
11/14/2024	24.12	0.00	0.00	0.385	24.51	0.400	0.385	0.016	0.000	0.621	0.155	3.76	0.00	6.99	12.18	4.55	7.01	12.95	24.51	0.016	12.57
11/15/2024	25.38	0.00	0.00	0.381	25.76	0.583	0.381	0.023	0.000	0.905	0.130	3.64	0.00	7.01	13.09	4.60	7.03	14.13	25.76	0.023	13.75

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
11/16/2024	25.36	0.00	0.00	0.394	25.75	0.976	0.394	0.039	0.000	1.517	0.145	3.91	0.00	6.94	11.83	5.28	6.98	13.49	25.75	0.039	13.10
11/17/2024	23.16	0.00	0.00	0.380	23.54	0.400	0.380	0.016	0.000	0.621	0.126	2.82	0.00	7.25	11.92	3.60	7.27	12.67	23.54	0.016	12.29
11/18/2024	26.66	0.00	0.00	0.369	27.03	1.425	0.369	0.056	0.000	2.213	0.143	4.02	0.00	6.81	12.00	5.81	6.86	14.35	27.03	0.057	13.98
11/19/2024	26.02	0.00	0.00	0.380	26.40	1.243	0.380	0.049	0.000	1.931	0.146	3.79	0.00	6.80	12.06	5.41	6.85	14.13	26.40	0.049	13.75
11/20/2024	24.45	0.00	0.00	0.348	24.80	0.410	0.348	0.016	0.000	0.636	0.110	3.55	0.00	6.71	13.02	4.31	6.73	13.76	24.80	0.016	13.42
11/21/2024	26.40	0.00	0.00	0.332	26.73	1.157	0.332	0.046	0.000	1.797	0.076	4.85	0.00	6.73	11.75	6.34	6.77	13.62	26.73	0.046	13.29
11/22/2024	24.41	0.00	0.00	0.322	24.73	0.916	0.322	0.036	0.000	1.423	0.092	3.50	0.00	6.61	11.83	4.74	6.65	13.34	24.73	0.036	13.02
11/23/2024	24.93	0.00	0.00	0.304	25.23	0.765	0.304	0.030	0.000	1.189	0.087	4.17	0.00	6.94	11.75	5.24	6.97	13.03	25.23	0.030	12.72
11/24/2024	22.21	0.00	0.00	0.316	22.53	0.392	0.316	0.016	0.000	0.609	0.092	2.20	0.00	7.13	11.78	2.91	7.14	12.48	22.53	0.016	12.16
11/25/2024	25.83	0.00	0.00	0.292	26.12	1.134	0.292	0.045	0.000	1.761	0.087	4.02	0.00	6.82	11.96	5.45	6.87	13.81	26.12	0.045	13.52
11/26/2024	26.14	0.00	0.00	0.256	26.40	1.013	0.256	0.040	0.000	1.574	0.084	4.31	0.00	6.78	12.34	5.58	6.82	14.00	26.40	0.040	13.74
11/27/2024	25.15	0.00	0.00	0.253	25.40	0.733	0.253	0.029	0.000	1.139	0.086	3.49	0.00	6.99	12.68	4.48	7.02	13.91	25.40	0.029	13.65
11/28/2024	23.66	0.00	0.00	0.208	23.87	0.375	0.208	0.015	0.000	0.583	0.063	4.42	0.00	6.76	11.44	5.00	6.78	12.09	23.87	0.015	11.88
11/29/2024	21.75	0.00	0.00	0.205	21.96	0.477	0.205	0.019	0.000	0.740	0.071	2.98	0.00	6.39	11.07	3.66	6.41	11.88	21.96	0.019	11.67
11/30/2024	22.21	0.00	0.00	0.195	22.41	0.352	0.195	0.014	0.000	0.547	0.061	4.14	0.00	6.33	10.76	4.69	6.35	11.37	22.41	0.014	11.18
12/1/2024	25.06	0.00	0.00	0.209	25.27	0.777	0.209	0.031	0.000	1.207	0.060	3.31	0.00	7.36	12.31	4.30	7.39	13.58	25.27	0.031	13.37
12/2/2024	25.63	0.00	0.00	0.200	25.83	0.978	0.200	0.039	0.000	1.520	0.054	4.10	0.00	6.86	12.08	5.28	6.90	13.66	25.83	0.039	13.46
12/3/2024	24.68	0.00	0.00	0.248	24.93	0.781	0.248	0.031	0.000	1.214	0.047	4.25	0.00	6.67	11.69	5.28	6.70	12.95	24.93	0.031	12.70
12/4/2024	23.65	0.00	0.00	0.382	24.03	0.388	0.382	0.015	0.000	0.602	0.065	3.92	0.00	6.58	12.07	4.69	6.60	12.74	24.03	0.015	12.36
12/5/2024	25.42	0.00	0.00	0.325	25.75	1.031	0.325	0.041	0.000	1.601	0.053	3.98	0.00	6.73	11.98	5.34	6.77	13.64	25.75	0.041	13.31
12/6/2024	25.40	0.00	0.00	0.326	25.73	1.103	0.326	0.044	0.000	1.714	0.052	4.49	0.00	6.59	11.41	5.92	6.63	13.17	25.73	0.044	12.85
12/7/2024	24.02	0.00	0.00	0.319	24.34	0.563	0.319	0.022	0.000	0.875	0.056	3.76	0.00	6.91	11.83	4.64	6.93	12.76	24.34	0.022	12.44
12/8/2024	25.16	0.00	0.00	0.329	25.49	0.772	0.329	0.031	0.000	1.200	0.100	3.65	0.00	7.25	12.16	4.75	7.28	13.46	25.49	0.031	13.13
12/9/2024	23.27	0.00	0.00	0.317	23.59	0.383	0.317	0.015	0.000	0.595	0.064	3.74	0.00	6.52	11.95	4.44	6.54	12.61	23.59	0.015	12.29
12/10/2024	24.82	0.00	0.00	0.310	25.13	0.398	0.310	0.016	0.000	0.618	0.048	4.49	0.00	6.84	12.41	5.20	6.86	13.08	25.13	0.016	12.77
12/11/2024	22.93	0.00	0.00	0.323	23.25	0.397	0.323	0.016	0.000	0.617	0.043	2.66	0.00	6.30	12.89	3.38	6.32	13.55	23.25	0.016	13.23
12/12/2024	24.19	0.00	0.00	0.326	24.52	0.387	0.326	0.015	0.000	0.601	0.079	4.44	0.00	6.64	12.03	5.15	6.65	12.71	24.52	0.015	12.38
12/13/2024	23.19	0.00	0.00	0.340	23.53	0.385	0.340	0.015	0.000	0.598	0.050	3.55	0.00	6.85	11.74	4.28	6.86	12.39	23.53	0.015	12.05
12/14/2024	24.22	0.00	0.00	0.335	24.56	0.375	0.335	0.015	0.000	0.582	0.077	5.12	0.00	6.66	11.39	5.83	6.68	12.05	24.56	0.015	11.71
12/15/2024	23.72	0.00	0.00	0.342	24.06	0.425	0.342	0.017	0.000	0.660	0.067	2.62	0.00	7.62	12.31	3.39	7.64	13.04	24.06	0.017	12.70
12/16/2024	25.67	0.00	0.00	0.338	26.01	1.184	0.338	0.047	0.000	1.840	0.133	4.38	0.00	7.24	10.84	5.90	7.29	12.81	26.01	0.047	12.48
12/17/2024	24.35	0.00	0.00	0.343	24.69	0.388	0.343	0.015	0.000	0.603	0.175	4.55	0.00	6.57	12.05	5.28	6.58	12.83	24.69	0.015	12.49
12/18/2024	22.90	0.00	0.00	0.300	23.20	0.364	0.300	0.014	0.000	0.565	0.193	4.33	0.00	5.64	11.79	4.99	5.65	12.55	23.20	0.014	12.25
12/19/2024	23.64	0.00	0.00	0.260	23.90	0.389	0.260	0.015	0.000	0.604	0.180	3.73	0.00	6.29	12.43	4.38	6.31	13.22	23.90	0.015	12.96
12/20/2024	24.05	0.00	0.00	0.262	24.31	0.619	0.262	0.025	0.000	0.962	0.170	3.29	0.00	6.54	12.44	4.17	6.56	13.58	24.31	0.025	13.31
12/21/2024	24.34	0.00	0.00	0.253	24.59	0.369	0.253	0.015	0.000	0.573	0.177	5.45	0.00	6.47	11.28	6.07	6.49	12.03	24.59	0.015	11.78
12/22/2024	22.68	0.00	0.00	0.257	22.94	0.379	0.257	0.015	0.000	0.588	0.183	3.30	0.00	6.62	11.60	3.94	6.63	12.37	22.94	0.015	12.11
12/23/2024	21.36	0.00	0.00	0.261	21.62	0.353	0.261	0.014	0.000	0.549	0.180	3.30	0.00	6.18	10.79	3.91	6.19	11.52	21.62	0.014	11.25
12/24/2024	23.24	0.00	0.00	0.253	23.49	0.349	0.253	0.014	0.000	0.542	0.166	5.40	0.00	6.25	10.52	6.00	6.26	11.23	23.49	0.014	10.98
12/25/2024	21.82	0.00	0.00	0.255	22.08	0.361	0.255	0.014	0.000	0.561	0.179	3.53	0.00	6.49	10.68	4.15	6.51	11.42	22.08	0.014	11.17

	(1)	(2)	(3)	(4)	(5)=1+2 +3+4	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)=6+7+1 2+13	(17)=8+9+ 14	(18)=10+ 11+15	(19)=16+1 7+18	(20)=8+9	(21)=18- 2-3-4
	Water Withdrawal/Purchase (mgd)					Consumptive Use (mgd)						Water Use Discharged as Wastewater (mgd)				Total Returned/Used in Each Basin (mgd)				Interbasin Transfer (mgd)	
	Jordan Lake Withdrawal	Neuse Basin Purchase			Total System Use	Haw		Cape Fear		Neuse		Haw		Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total for All Basins	Haw to Cape Fear	Haw to Neuse
	Haw	Raleigh	Durham	Durham Co. Reclaimed		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse	WTP Process Water	WRF	WRF	Total WRFs						
12/26/2024	21.92	0.00	0.00	0.254	22.17	0.339	0.254	0.013	0.000	0.527	0.157	4.58	0.00	5.86	10.44	5.17	5.87	11.13	22.17	0.013	10.87
12/27/2024	22.15	0.00	0.00	0.259	22.41	0.352	0.259	0.014	0.000	0.548	0.177	4.13	0.00	5.99	10.93	4.74	6.01	11.66	22.41	0.014	11.40
12/28/2024	22.09	0.00	0.00	0.252	22.34	0.359	0.252	0.014	0.000	0.558	0.148	3.70	0.00	6.43	10.88	4.31	6.44	11.59	22.34	0.014	11.33
12/29/2024	22.52	0.00	0.00	0.260	22.78	0.345	0.260	0.014	0.000	0.536	0.179	4.88	0.00	5.96	10.61	5.49	5.97	11.32	22.78	0.014	11.06
12/30/2024	23.17	0.00	0.00	0.258	23.43	0.383	0.258	0.015	0.000	0.596	0.176	3.54	0.00	6.81	11.65	4.18	6.83	12.42	23.43	0.015	12.16
12/31/2024	23.71	0.00	0.00	0.248	23.96	0.379	0.248	0.015	0.000	0.589	0.176	4.31	0.00	6.60	11.64	4.94	6.62	12.41	23.96	0.015	12.16

Appendix C - Monthly Billed Water Use

The monthly billed potable water use was exported from the billing databases of the Towns of Cary and Apex. The Town of Cary billed water use includes Morrisville and Wake County/RTP South.

APPENDIX C

Billed Water Use

Apex and Cary (includes Morrisville, and Wake County/RTP South)

<u>Billed Month</u>	<u>Apex Billed Water Use (MGD)</u>			<u>Cary Billed Water Use¹ (MGD)</u>		<u>Total Billed Water Use (MGD)</u>		
	<u>Haw</u>	<u>Neuse</u>	<u>Cape Fear</u>	<u>Haw</u>	<u>Neuse</u>	<u>Haw</u>	<u>Neuse</u>	<u>Cape Fear</u>
Jan-2024	2.73	1.20	0.29	3.68	8.76	6.42	9.96	0.29
Feb-2024	2.76	1.23	0.30	3.85	9.14	6.60	10.37	0.30
Mar-2024	2.69	1.22	0.30	3.54	8.56	6.23	9.78	0.30
Apr-2024	2.40	1.23	0.30	3.78	9.36	6.18	10.59	0.30
May-2024	3.07	1.24	0.31	4.29	10.17	7.36	11.40	0.31
Jun-2024	3.16	1.24	0.35	4.77	11.44	7.94	12.68	0.35
Jul-2024	0.51	0.29	0.07	5.61	13.56	6.12	13.85	0.07
Aug-2024	3.84	1.56	0.31	4.28	11.25	8.12	12.81	0.31
Sep-2024	6.51	2.27	0.83	5.06	11.95	11.56	14.22	0.83
Oct-2024	3.65	1.54	0.40	4.22	10.82	7.87	12.37	0.40
Nov-2024	3.07	0.83	0.39	4.49	11.15	7.56	11.98	0.39
Dec-2024	1.90	0.83	0.27	3.85	9.38	5.76	10.20	0.27
Annual Average	3.02	1.22	0.34	4.29	10.47	7.31	11.69	0.34

¹ Cary Billed Water Use includes Morrisville and Wake County/RTP South

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Appendix D - AWWA M36 Water Audit Summary

The following screen shots summarize the Town of Cary water audit using the AWWA Free Water Audit Software v6.0. For fiscal year (FY) 2024, the non-revenue water is 16.9% by volume of the water supplied.

Water Balance Output from FY 2024 AWWA Audit for the Town of Cary:

AWWA Free Water Audit Software

Water Balance



Water Audit Report for: Town of Cary

Audit Year: 2024

Jul 01 2023 - Jun 30 2024

Data Validity Tier: Tier III (51-70)

FWAS v6.0
American Water Works Association.
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Volume from Own Sources (VOS) (corrected for known errors) 8,411.358	System Input Volume 8,411.358	Water Exported (WE) (corrected for known errors) 1,954.023	Billed Water Exported				Revenue Water (Exported) 1,954.023
		Authorized Consumption 5,532.530	Billed Authorized Consumption 5,365.536	Billed Metered Consumption (BMAC) (water exported is removed) 5,365.536	Revenue Water 5,365.536		
				Billed Unmetered Consumption (BUAC) 0.000			
			Unbilled Authorized Consumption 166.994	Unbilled Metered Consumption (UMAC) 141.436	Non-Revenue Water (NRW) 1,091.799		
				Unbilled Unmetered Consumption (UUAC) 25.558			
		Water Supplied 6,457.335	Apparent Losses 188.219	Systematic Data Handling Errors (SDHE) 13.414			
				Customer Metering Inaccuracies (CMI) 161.391			
				Unauthorized Consumption (UC) 13.414			
			Water Losses 924.805	Real Losses 736.586		Leakage on Transmission and/or Distribution Mains Not broken down	
						Leakage and Overflows at Utility's Storage Tanks Not broken down	
						Leakage on Service Connections Not broken down	
Water Imported (WI) (corrected for known errors) 0.000							

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Appendix E – Cape Fear River Basin Discharge (MGD)

<u>Date</u>	<u>Discharge to Durham County WWTP</u>	<u>WWWRF Discharge to Cape Fear River Basin</u>
1-Jan-24	0.00	7.12
2-Jan-24	0.00	7.24
3-Jan-24	0.00	7.02
4-Jan-24	0.00	7.07
5-Jan-24	0.00	6.94
6-Jan-24	0.00	8.26
7-Jan-24	0.00	8.12
8-Jan-24	0.00	7.02
9-Jan-24	0.00	8.52
10-Jan-24	0.00	8.70
11-Jan-24	0.00	7.77
12-Jan-24	0.00	7.93
13-Jan-24	0.00	8.64
14-Jan-24	0.00	8.26
15-Jan-24	0.00	7.81
16-Jan-24	0.00	7.50
17-Jan-24	0.00	7.29
18-Jan-24	0.00	7.23
19-Jan-24	0.00	7.08
20-Jan-24	0.00	7.28
21-Jan-24	0.00	7.62
22-Jan-24	0.00	7.15
23-Jan-24	0.00	6.86
24-Jan-24	0.00	7.01
25-Jan-24	0.00	7.11
26-Jan-24	0.00	6.92
27-Jan-24	0.00	7.43
28-Jan-24	0.00	7.98
29-Jan-24	0.00	7.16
30-Jan-24	0.00	6.94
31-Jan-24	0.00	7.12
1-Feb-24	0.00	7.02
2-Feb-24	0.00	6.89
3-Feb-24	0.00	7.17
4-Feb-24	0.00	7.47
5-Feb-24	0.00	6.92
6-Feb-24	0.00	6.75
7-Feb-24	0.00	6.97
8-Feb-24	0.00	7.12
9-Feb-24	0.00	7.17
10-Feb-24	0.00	7.61
11-Feb-24	0.00	7.92
12-Feb-24	0.00	7.52
13-Feb-24	0.00	7.54
14-Feb-24	0.00	6.86
15-Feb-24	0.00	6.73
16-Feb-24	0.00	6.75
17-Feb-24	0.00	6.83
18-Feb-24	0.00	6.89
19-Feb-24	0.00	6.86
20-Feb-24	0.00	7.04
21-Feb-24	0.00	6.93
22-Feb-24	0.00	6.91
23-Feb-24	0.00	7.08
24-Feb-24	0.00	7.35
25-Feb-24	0.00	7.54

<u>Date</u>	<u>Discharge to Durham County WWTP</u>	<u>WWWRF Discharge to Cape Fear River Basin</u>
26-Feb-24	0.00	7.07
27-Feb-24	0.00	6.87
28-Feb-24	0.00	7.03
29-Feb-24	0.00	6.91
1-Mar-24	0.00	6.90
2-Mar-24	0.00	8.60
3-Mar-24	0.00	7.99
4-Mar-24	0.00	7.31
5-Mar-24	0.00	7.06
6-Mar-24	0.00	7.31
7-Mar-24	0.00	7.25
8-Mar-24	0.00	7.04
9-Mar-24	0.00	8.18
10-Mar-24	0.00	8.05
11-Mar-24	0.00	7.42
12-Mar-24	0.00	7.09
13-Mar-24	0.00	7.11
14-Mar-24	0.00	6.98
15-Mar-24	0.00	6.86
16-Mar-24	0.00	7.07
17-Mar-24	0.00	7.52
18-Mar-24	0.00	6.97
19-Mar-24	0.00	6.82
20-Mar-24	0.00	6.70
21-Mar-24	0.00	6.70
22-Mar-24	0.00	6.69
23-Mar-24	0.00	7.35
24-Mar-24	0.00	6.90
25-Mar-24	0.00	6.48
26-Mar-24	0.00	6.37
27-Mar-24	0.00	7.19
28-Mar-24	0.00	8.30
29-Mar-24	0.00	7.20
30-Mar-24	0.00	7.23
31-Mar-24	0.00	7.60
1-Apr-24	0.00	7.33
2-Apr-24	0.00	7.14
3-Apr-24	0.00	8.10
4-Apr-24	0.00	7.56
5-Apr-24	0.00	7.10
6-Apr-24	0.00	7.22
7-Apr-24	0.00	7.56
8-Apr-24	0.00	7.06
9-Apr-24	0.00	6.97
10-Apr-24	0.00	6.97
11-Apr-24	0.00	7.00
12-Apr-24	0.00	6.82
13-Apr-24	0.00	6.95
14-Apr-24	0.00	7.34
15-Apr-24	0.00	6.98
16-Apr-24	0.00	6.79
17-Apr-24	0.00	6.78
18-Apr-24	0.00	6.84
19-Apr-24	0.00	6.64
20-Apr-24	0.00	6.96
21-Apr-24	0.00	7.30
22-Apr-24	0.00	6.83
23-Apr-24	0.00	6.61

<u>Date</u>	<u>Discharge to Durham County WWTP</u>	<u>WWWRF Discharge to Cape Fear River Basin</u>
24-Apr-24	0.00	6.78
25-Apr-24	0.00	6.77
26-Apr-24	0.00	6.54
27-Apr-24	0.00	6.72
28-Apr-24	0.00	7.11
29-Apr-24	0.00	6.88
30-Apr-24	0.00	6.80
1-May-24	0.00	6.81
2-May-24	0.00	6.86
3-May-24	0.00	6.64
4-May-24	0.00	7.05
5-May-24	0.00	7.93
6-May-24	0.00	7.36
7-May-24	0.00	7.03
8-May-24	0.00	6.95
9-May-24	0.00	6.94
10-May-24	0.00	6.81
11-May-24	0.00	6.90
12-May-24	0.00	7.14
13-May-24	0.00	6.90
14-May-24	0.00	7.57
15-May-24	0.00	7.13
16-May-24	0.00	7.01
17-May-24	0.00	6.84
18-May-24	0.00	7.17
19-May-24	0.00	7.43
20-May-24	0.00	7.09
21-May-24	0.00	6.93
22-May-24	0.00	6.89
23-May-24	0.00	6.89
24-May-24	0.00	6.81
25-May-24	0.00	6.65
26-May-24	0.00	6.57
27-May-24	0.00	8.05
28-May-24	0.00	7.24
29-May-24	0.00	7.00
30-May-24	0.00	6.87
31-May-24	0.00	6.70
1-Jun-24	0.00	6.92
2-Jun-24	0.00	7.21
3-Jun-24	0.00	7.08
4-Jun-24	0.00	6.94
5-Jun-24	0.00	6.97
6-Jun-24	0.00	7.12
7-Jun-24	0.00	6.99
8-Jun-24	0.00	6.96
9-Jun-24	0.00	7.32
10-Jun-24	0.00	6.99
11-Jun-24	0.00	6.74
12-Jun-24	0.00	6.83
13-Jun-24	0.00	6.73
14-Jun-24	0.00	6.68
15-Jun-24	0.00	6.77
16-Jun-24	0.00	6.82
17-Jun-24	0.00	6.73
18-Jun-24	0.00	6.55
19-Jun-24	0.00	6.65
20-Jun-24	0.00	6.51

<u>Date</u>	<u>Discharge to Durham County WWTP</u>	<u>WWWRF Discharge to Cape Fear River Basin</u>
21-Jun-24	0.00	6.46
22-Jun-24	0.00	6.65
23-Jun-24	0.00	6.90
24-Jun-24	0.00	6.64
25-Jun-24	0.00	6.51
26-Jun-24	0.00	6.52
27-Jun-24	0.00	6.41
28-Jun-24	0.00	6.39
29-Jun-24	0.00	6.50
30-Jun-24	0.00	6.95
1-Jul-24	0.00	6.47
2-Jul-24	0.00	6.27
3-Jul-24	0.00	6.24
4-Jul-24	0.00	6.23
5-Jul-24	0.00	6.34
6-Jul-24	0.00	6.75
7-Jul-24	0.00	7.36
8-Jul-24	0.00	7.32
9-Jul-24	0.00	7.19
10-Jul-24	0.00	7.10
11-Jul-24	0.00	6.88
12-Jul-24	0.00	8.06
13-Jul-24	0.00	7.56
14-Jul-24	0.00	7.24
15-Jul-24	0.00	6.70
16-Jul-24	0.00	6.51
17-Jul-24	0.00	7.20
18-Jul-24	0.00	7.57
19-Jul-24	0.00	7.24
20-Jul-24	0.00	7.15
21-Jul-24	0.00	7.35
22-Jul-24	0.00	6.00
23-Jul-24	0.00	7.73
24-Jul-24	0.00	8.39
25-Jul-24	0.00	8.26
26-Jul-24	0.00	5.36
27-Jul-24	0.00	7.29
28-Jul-24	0.00	7.50
29-Jul-24	0.00	7.41
30-Jul-24	0.00	7.19
31-Jul-24	0.00	7.01
1-Aug-24	0.00	7.14
2-Aug-24	0.00	6.97
3-Aug-24	0.00	8.00
4-Aug-24	0.00	8.02
5-Aug-24	0.00	7.27
6-Aug-24	0.00	6.82
7-Aug-24	0.00	7.68
8-Aug-24	0.00	14.19
9-Aug-24	0.00	11.54
10-Aug-24	0.00	9.87
11-Aug-24	0.00	8.65
12-Aug-24	0.00	7.91
13-Aug-24	0.00	7.71
14-Aug-24	0.00	7.59
15-Aug-24	0.00	7.53
16-Aug-24	0.00	7.32
17-Aug-24	0.00	7.38

<u>Date</u>	<u>Discharge to Durham County WWTP</u>	<u>WWWRF Discharge to Cape Fear River Basin</u>
18-Aug-24	0.00	7.63
19-Aug-24	0.00	7.28
20-Aug-24	0.00	7.01
21-Aug-24	0.00	6.99
22-Aug-24	0.00	6.96
23-Aug-24	0.00	6.95
24-Aug-24	0.00	7.15
25-Aug-24	0.00	7.49
26-Aug-24	0.00	7.34
27-Aug-24	0.00	7.10
28-Aug-24	0.00	7.19
29-Aug-24	0.00	7.07
30-Aug-24	0.00	7.28
31-Aug-24	0.00	6.90
1-Sep-24	0.00	7.98
2-Sep-24	0.00	9.39
3-Sep-24	0.00	7.54
4-Sep-24	0.00	7.18
5-Sep-24	0.00	7.04
6-Sep-24	0.00	7.11
7-Sep-24	0.00	7.37
8-Sep-24	0.00	7.58
9-Sep-24	0.00	7.12
10-Sep-24	0.00	6.96
11-Sep-24	0.00	7.06
12-Sep-24	0.00	6.97
13-Sep-24	0.00	7.90
14-Sep-24	0.00	7.81
15-Sep-24	0.00	7.85
16-Sep-24	0.00	9.89
17-Sep-24	0.00	11.18
18-Sep-24	0.00	9.18
19-Sep-24	0.00	8.13
20-Sep-24	0.00	7.82
21-Sep-24	0.00	7.75
22-Sep-24	0.00	9.45
23-Sep-24	0.00	8.03
24-Sep-24	0.00	8.27
25-Sep-24	0.00	9.97
26-Sep-24	0.00	8.51
27-Sep-24	0.00	10.71
28-Sep-24	0.00	9.44
29-Sep-24	0.00	8.83
30-Sep-24	0.00	8.52
1-Oct-24	0.00	8.13
2-Oct-24	0.00	7.74
3-Oct-24	0.00	7.73
4-Oct-24	0.00	7.42
5-Oct-24	0.00	7.56
6-Oct-24	0.00	7.98
7-Oct-24	0.00	7.55
8-Oct-24	0.00	7.21
9-Oct-24	0.00	7.24
10-Oct-24	0.00	7.20
11-Oct-24	0.00	7.18
12-Oct-24	0.00	7.30
13-Oct-24	0.00	7.49
14-Oct-24	0.00	7.35

<u>Date</u>	<u>Discharge to Durham County WWTP</u>	<u>WWWRF Discharge to Cape Fear River Basin</u>
15-Oct-24	0.00	7.08
16-Oct-24	0.00	7.00
17-Oct-24	0.00	7.00
18-Oct-24	0.00	7.11
19-Oct-24	0.00	7.75
20-Oct-24	0.00	7.51
21-Oct-24	0.00	7.15
22-Oct-24	0.00	6.95
23-Oct-24	0.00	6.98
24-Oct-24	0.00	6.87
25-Oct-24	0.00	6.72
26-Oct-24	0.00	6.98
27-Oct-24	0.00	7.45
28-Oct-24	0.00	7.11
29-Oct-24	0.00	6.96
30-Oct-24	0.00	7.01
31-Oct-24	0.00	6.84
1-Nov-24	0.00	6.91
2-Nov-24	0.00	6.96
3-Nov-24	0.00	7.30
4-Nov-24	0.00	6.88
5-Nov-24	0.00	6.86
6-Nov-24	0.00	6.80
7-Nov-24	0.00	6.93
8-Nov-24	0.00	6.78
9-Nov-24	0.00	6.86
10-Nov-24	0.00	7.07
11-Nov-24	0.00	7.29
12-Nov-24	0.00	6.86
13-Nov-24	0.00	6.72
14-Nov-24	0.00	7.63
15-Nov-24	0.00	7.14
16-Nov-24	0.00	7.09
17-Nov-24	0.00	7.46
18-Nov-24	0.00	6.94
19-Nov-24	0.00	6.94
20-Nov-24	0.00	7.02
21-Nov-24	0.00	6.85
22-Nov-24	0.00	6.73
23-Nov-24	0.00	7.05
24-Nov-24	0.00	7.36
25-Nov-24	0.00	6.93
26-Nov-24	0.00	6.87
27-Nov-24	0.00	7.08
28-Nov-24	0.00	7.21
29-Nov-24	0.00	6.47
30-Nov-24	0.00	6.86
1-Dec-24	0.00	7.44
2-Dec-24	0.00	6.93
3-Dec-24	0.00	6.76
4-Dec-24	0.00	6.88
5-Dec-24	0.00	6.85
6-Dec-24	0.00	6.71
7-Dec-24	0.00	7.03
8-Dec-24	0.00	7.37
9-Dec-24	0.00	7.22
10-Dec-24	0.00	7.10
11-Dec-24	0.00	8.40

<u>Date</u>	<u>Discharge to Durham County WWTP</u>	<u>WWWRF Discharge to Cape Fear River Basin</u>
12-Dec-24	0.00	7.48
13-Dec-24	0.00	7.22
14-Dec-24	0.00	7.43
15-Dec-24	0.00	7.75
16-Dec-24	0.00	7.38
17-Dec-24	0.00	7.07
18-Dec-24	0.00	7.21
19-Dec-24	0.00	6.86
20-Dec-24	0.00	6.63
21-Dec-24	0.00	6.90
22-Dec-24	0.00	6.82
23-Dec-24	0.00	6.86
24-Dec-24	0.00	7.00
25-Dec-24	0.00	6.59
26-Dec-24	0.00	6.63
27-Dec-24	0.00	6.69
28-Dec-24	0.00	7.03
29-Dec-24	0.00	6.97
30-Dec-24	0.00	7.10
31-Dec-24	0.00	7.10