

**2024 Annual Report on Interbasin Transfers
for
The Cities of Concord and Kannapolis**

Prepared for and by:

City of Concord



City of Kannapolis



Submitted to:

North Carolina Division of Water Resources

February 2025

Executive Summary

The 2024 Annual Report on Interbasin Transfers (IBTs) for the Cities of Concord and Kannapolis (Cities) includes monitoring data for daily tracking of IBT amounts and documentation of compliance with all IBT Certificate conditions. Annual reports were previously prepared for calendar years 2007 through 2023 and are available on the North Carolina Division of Water Resources (NCDWR) website. The reports for earlier years can be found at the following website: <https://deq.nc.gov/concord-kannapolis>.

The North Carolina Environmental Management Commission (EMC) approved the Cities' IBT Certificate in January 2007 authorizing transfers of up to 10 million gallons per day (mgd) from the Catawba River Basin to the Rocky River Basin and 10 mgd from the Yadkin River Basin to the Rocky River Basin. Additionally, a grandfathered IBT of 6 mgd authorizes transfer from Second Creek, located in the South Yadkin River Basin, to the Rocky River Basin. The terms "Cities" and "Certificate Holders" are used interchangeably herein.

In 2024, the Certificate Holders complied with all conditions of their IBT Certificate. The Cities of Concord and Kannapolis had a maximum daily transfer from the Catawba River Basin of 0.092 mgd during 2024. The maximum daily transfer from the Yadkin River Basin was 5.359 mgd.

In 2024, the City of Kannapolis pumped water from Second Creek to Kannapolis Lake under its South Yadkin River Basin grandfathered IBT. The maximum daily transfer under the grandfathered IBT from the South Yadkin River Basin to the Rocky River Basin in 2024 was -0.206 mgd. The 2024 IBT daily transfers for Concord and Kannapolis are shown in Figure ES-1.

In addition, a settlement was reached in 2010 on a lawsuit filed by the Catawba River Foundation, Inc. and the Protect the Catawba Coalition. While this does not change the IBT Certificate or required reporting in any way, the Cities did agree to some operational conditions regarding the Catawba River Basin during times of drought.

Table ES-1

2024 IBT Average Annual & Maximum Day Demands for Concord and Kannapolis Service Areas

	Catawba River Basin^e			Yadkin River Basin			Second Creek^{c,d} (South Yadkin River Basin)		
Year	Water Purchase (mgd)		IBT as % of Certificate^a	Water Purchase (mgd)		IBT as % of Certificate^{b,c}	Water Transfer (mgd)		IBT as % of Grand- fathered amount
	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day
2024	0.000	0.092	0.920%	4.664	5.359	53.590%	-0.306	-0.206	-3.433%

^a Maximum Day IBT of 10 mgd from the Catawba River Basin.^b Maximum Day IBT of 10 mgd from the Yadkin River Basin.^c The grandfathered 6-mgd Maximum Day IBT limit from Second Creek (South Yadkin River Basin) into the Rocky River Basin is not included in the 10-mgd Maximum Day IBT limit for the Yadkin River Basin.^d There was no transfer from Second Creek, therefore these numbers are negative.

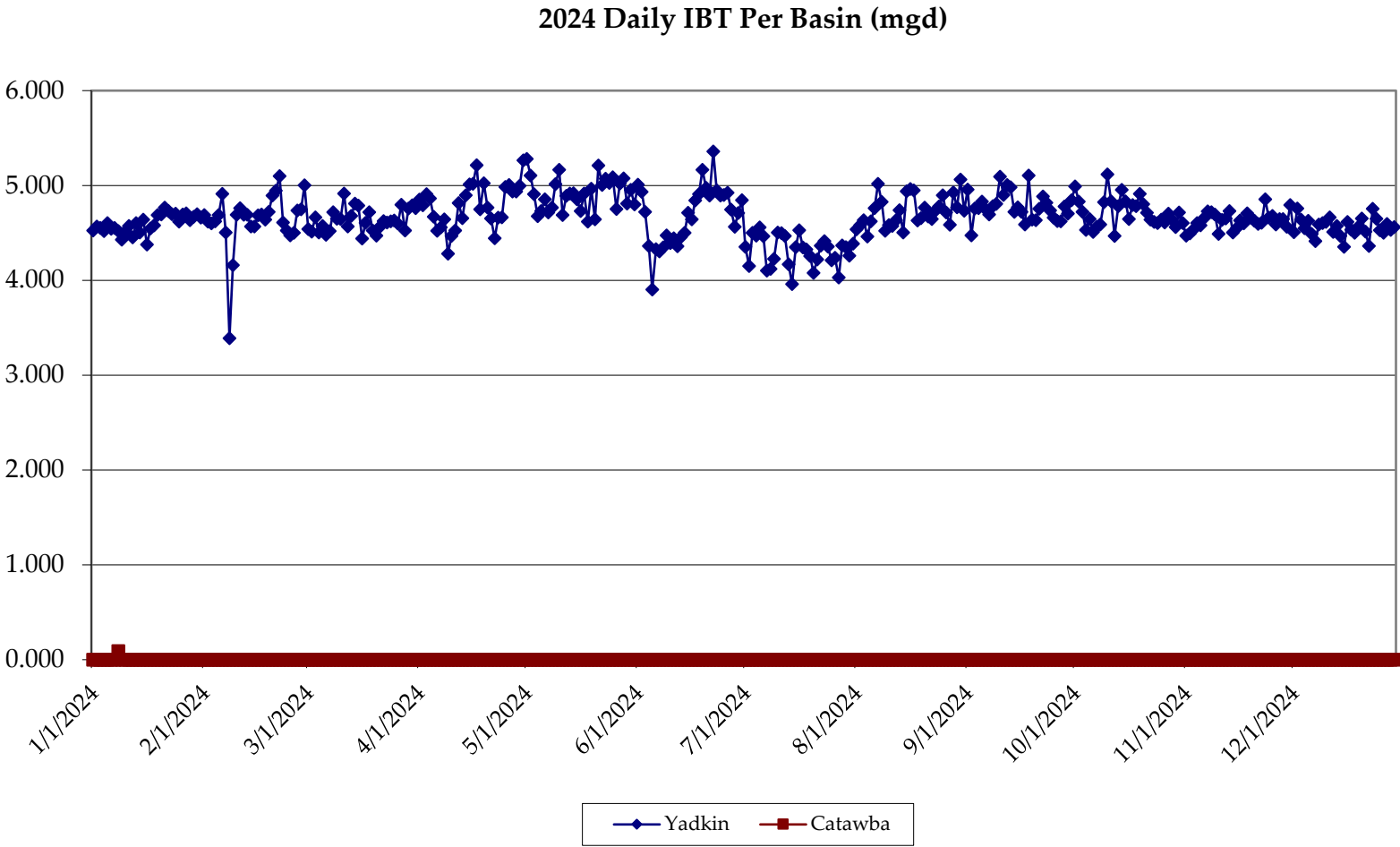


Figure ES-1
2024 Daily Interbasin Transfers by Basin

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Daily Interbasin Transfer Amounts for 2024

Acronyms and Abbreviations

DMAC	Drought Management Advisory Council
EMC	Environmental Management Commission
FERC	Federal Energy Regulatory Commission
IBT	Interbasin Transfer
LIP	Low Inflow Protocol
mgd	million gallons per day
NCDWR	North Carolina Division of Water Resources
WSRP	Water Shortage Response Plan
WTP	Water Treatment Plant

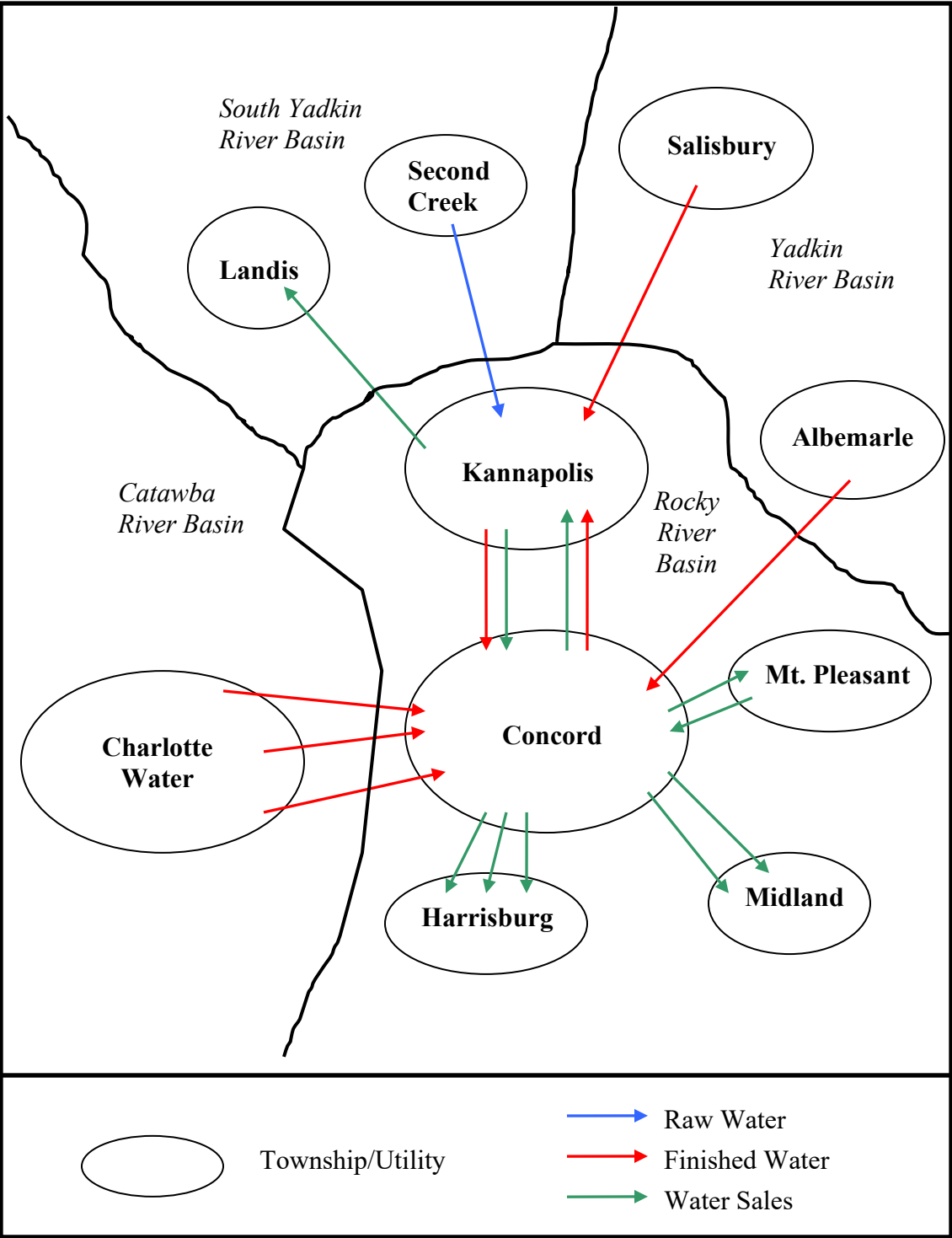
1.0 - Introduction

The Cities of Concord and Kannapolis (Cities) received an interbasin transfer (IBT) Certificate, which was originally approved on January 10, 2007, and signed into effect on January 25, 2007. The North Carolina Environmental Management Commission (EMC) has authorized transfers of up to 10 million gallons per day (mgd) from the Catawba River Basin to the Rocky River Basin and 10 mgd from the Yadkin River Basin to the Rocky River Basin. As a condition of the IBT Certificate, the Cities are required to produce an Annual Report that documents transfers over the past year. Annual reports were also prepared for calendar years 2007 through 2023 and are available on the North Carolina Division of Water Resources (NCDWR) website. The reports for earlier years can be found at the following website: <https://deq.nc.gov/concord-kannapolis>.

The Cities provide water to each other, various municipalities in the area (including: Mount Pleasant, Midland, Harrisburg, and Landis), and unincorporated areas of Cabarrus County. Concord owns and operates the water distribution system used by the Town of Midland. Charlotte Water and the City of Salisbury currently have contracts to provide water to the Cities from the Catawba and Yadkin River Basins, respectively.

The terms “Cities” and “Certificate Holders” are used interchangeably herein. Figure 1-1 illustrates the ability to transfer water among the Certificate Holders and all municipalities served by the Certificate Holders.

Figure 1-1
Water Connections of the Certificate Holders and All Municipalities Served by the Certificate Holders



2.0 - IBT Monitoring

2.1 - Service Area Water Demand

Table 2-1 presents 2024 annual average water production for the Certificate Holders based on finished water produced at the Hillgrove, Coddle Creek, and Kannapolis Water Treatment Plants (WTPs). It also shows finished water purchases from Charlotte Water, the City of Salisbury and the City of Albemarle, if they occurred. Additionally, Table 2-1 presents the 2024 annual average IBT (or water purchases) from each basin covered by the IBT Certificate and from Second Creek, from which transfers are authorized by a grandfathered IBT. In 2024, finished water production averaged 15.37 mgd, purchased IBT finished water averaged 0 mgd for Catawba River Basin, 4.664 mgd for the Yadkin River Basin and -0.306 mgd for Second Creek. The combined 2024 annual average water use for the Certificate Holders was 19.728 mgd.

Table 2-1

2024 Water Production or Purchases by River Basin

2024					
Certificate Holders	Annual Average Finished Water Produced ^a (mgd)	Annual Average Purchased Water (mgd)			Annual Average Combined Water Use (mgd)
		Catawba River Basin ^b	Yadkin River Basin	Second Creek	
Concord & Kannapolis	15.37	0.000	4.664	-0.306	19.728

^a Water produced within Rocky River Basin; may include water from Second Creek transferred directly into Kannapolis Lake.

2.2 - Interbasin Transfers

Daily IBT amounts for the Certificate Holders are included in the Appendix. Data is provided for the period January 1, 2024 through December 31, 2024. The maximum day IBT from the Catawba River Basin during the calendar year 2024 was 0.092 mgd. This represents 0.920% of the permitted maximum day, 10 mgd IBT from the Catawba River Basin under the Certificate approved by the EMC in January 2007. The maximum day IBT from the Yadkin River Basin during the calendar year 2024 was 5.359 mgd. This represents 53.59% of the permitted maximum day, 10 mgd IBT from the Yadkin River Basin under the Certificate. There were transfers of water to Second Creek with a maximum day IBT -0.206 mgd, which represents -3.433% of the permitted maximum day, 6 mgd IBT from the South Yadkin River Basin under the grandfathered Certificate. Table 2-2 shows the IBT use for the Certificate Holders and the percentage of use from the Catawba and Yadkin River Basins.

Table 2-2

2024 IBT Average Annual & Maximum Day Demands for Concord and Kannapolis Service Areas

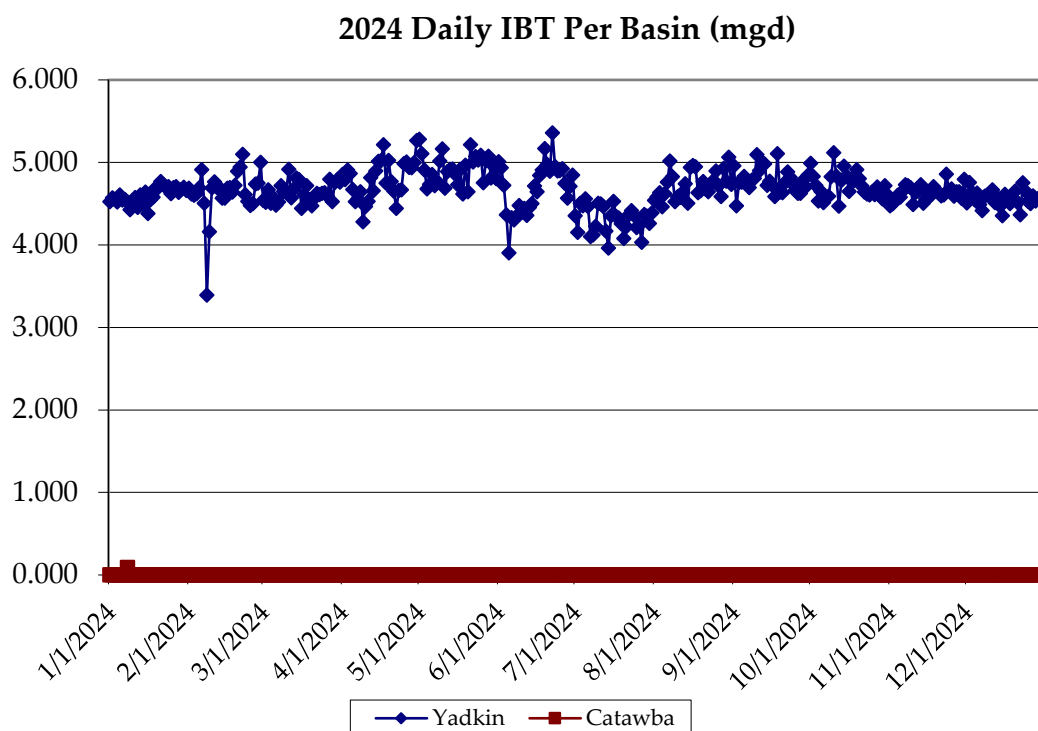
	Catawba River Basin ^e			Yadkin River Basin			Second Creek ^{e,d} (South Yadkin River Basin)		
Year	Water Purchase (mgd)		IBT as % of Certificate ^a	Water Purchase (mgd)		IBT as % of Certificate ^{b,c}	Water Transfer (mgd)		IBT as % of Grand- fathered amount
	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day
2024	0.000	0.092	0.920%	4.664	5.359	53.590%	-0.306	-0.206	-3.433%

^a Maximum Day IBT of 10 mgd from the Catawba River Basin.^b Maximum Day IBT of 10 mgd from the Yadkin River Basin.^c The grandfathered 6-mgd Maximum Day IBT limit from Second Creek (South Yadkin River Basin) into the Rocky River Basin is not included in the 10-mgd Maximum Day IBT limit for the Yadkin River Basin.^d There was no transfer from Second Creek, therefore these numbers are negative.

Figure 2-1 displays the daily IBT amounts for water purchases from the Catawba and Yadkin River Basins.

Figure 2-1

2024 Daily Interbasin Transfers by Basin



3.0 - Other Related Information

In 2010, a settlement was reached in a lawsuit filed by the Catawba River Foundation, Inc. and the Protect the Catawba Coalition. While this does not affect the IBT Certificate, its conditions, or required reporting in any way, the Cities did agree to some operational conditions regarding the Catawba River Basin during times of drought.

During designated droughts beyond July 1, 2015, following either Low Inflow Protocol (LIP) or Drought Management Advisory Council (DMAC) Drought Stage declaration, the Cities have agreed to limit the Catawba River Basin IBT so that it corresponds to water use reduction goals. A summary of this agreement is presented in Table 3-1.

Table 3-1

Catawba River Basin IBT during Drought Conditions

LIP Stage or DMAC Drought Stage	Maximum Day Transfer (mgd)
0 / Abnormally Dry	10.0
1 / Moderate Drought	9.0
2 / Severe Drought	8.5
3 / Extreme Drought	7.0
4 / Exceptional Drought	6.0

4.0 - Compliance with Certificate Conditions

A summary of the conditions of the IBT Certificate approved on January 10, 2007 along with the current status of compliance for each is provided below. Language from the certificate is followed by actions for each condition.

4.1 - Condition 1 (Federal Energy Regulatory Commission [FERC] Licensure)

If at any time any legal requirement that (a) governs the operation of the hydroelectric facilities in the Catawba River Basin currently licensed as Federal Energy Regulatory Commission (FERC) Project No. P-2232 or in the Yadkin Pee-Dee River Basin currently licensed as FERC Project Nos. P-2206 and P-2197 and (b) governs or affects water use and/or quality, substantially differs from the actual or anticipated FERC license conditions or other legal requirement upon which the analysis underlying this Certificate is based, such as changes to minimum flow requirements or drought mitigation measures, the Commission may reopen and modify this Certificate.

This condition requires no action by the Certificate Holders.

4.2 - Condition 2 (Drought Management Plan)

Each Certificate Holder shall prepare a Drought Management Plan. The Cities shall implement measures corresponding to the most severe level of drought conditions in either the Catawba or Yadkin River Basins. The Cities shall not transfer any water to any other jurisdictions unless that jurisdiction agrees to be bound by this condition in full.

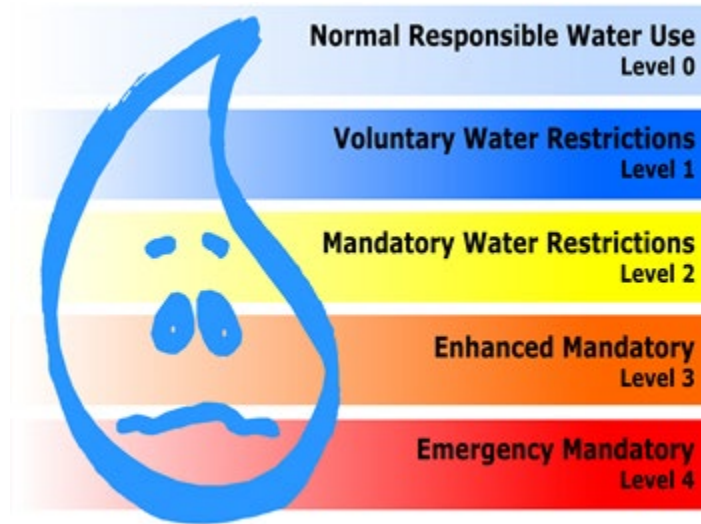
The Cities submitted the Drought Management Plan on July 31, 2007; comments were received on November 11, 2007, and the revised plan was submitted on January 8, 2008. The Drought Management Plan was incorporated into an updated Water Shortage Response Plan (WSRP) in 2010. The WSRP, prepared as a joint document for the Certificate Holders, is available on the NCDWR website at the following web address:

http://www.ncwater.org/Water_Supply_Planning/Water_Shortage_Response_Plans/plan

Table 4-1 shows Normal and Drought Stages 0-4, the names of each, the date the Catawba River Basin managers implemented Draft LIP actions in response to drought monitoring, the Yadkin-Pee Dee River Basin drought monitor, and the associated actions taken by the Cities.

In general, drought levels have been normal for both Catawba and Yadkin River Basins. Level 1, Voluntary Water Restrictions, was in place from January 1 through February 1 of 2024 (Figure 4-1) for the Catawba River Basin. There were Normal levels all year for Yadkin River Basin and majority of the year for Catawba River Basin. Other outdoor water use conservation measures was encouraged but not required.

During the year, the Cities drought stages follow the drought stages of the Catawba-Wataeree Water Management Group, which can be seen below.



The Cities have agreements in place that include enforcement policies with other systems that purchase water from them.

Table 4-1

Concord and Kannapolis 2024 Normal and Drought Stages

Drought Stage	Drought Monitor Classification	2024 Period of Drought			
		Catawba River Basin ^a (NC Drought Monitor)	Yadkin River Basin ^b (NC Drought Monitor)	Action by Cities	Cities' Actions Taken
	Normal	February 1 – December 31	January 1 – December 31		None
0	Abnormally Dry				
1	Moderate Drought	January 1 – February 1			Voluntary conservation measures encouraged through public notification.
2	Severe Drought				
3	Extreme Drought				
4	Exceptional Drought				

^a The Catawba River Basin is listed as the drought stage declared by the Catawba-Wateree Drought Management Advisory Group.^b The Yadkin River Basin is listed as the drought stage declared by the Yadkin-Pee Dee Drought Management Advisory Group

4.3 - Condition 3 (Disaggregation of IBT Amount)

If the Certificate Holders discontinue their cooperative service agreement, then the permitted IBT amount will be allocated amongst the Certificate Holders based on their projected 2030 needs.

The cooperative service agreement between the Certificate Holders remained in effect throughout 2024.

The Cities and local municipalities cooperatively and effectively communicate and manage their respective water distribution systems. The Cities sell water to each other and reconcile billing monthly. Additionally, Concord owns and operates the water distribution system for Midland, providing water service to all Midland customers. Harrisburg purchases water from Concord, measured by six meters. Concord also provides water service to unincorporated areas of Cabarrus County. Mount Pleasant did not purchase water from the City of Concord in 2024. Further emphasizing the interconnected nature of the Cities and local municipalities, Kannapolis provides water to Landis, located in the South Yadkin River Basin, which is not subject to this IBT Certificate.

4.4 - Condition 4 (Compliance and Monitoring Plan)

In cooperation with the Division of Water Resources, the Certificate Holders shall develop an IBT Compliance and Monitoring Plan.

The Cities submitted the Compliance and Monitoring Plan on July 31, 2007. This plan was finalized in December 2007.

4.5 - Condition 5 (EMC Consideration of Impacts)

The EMC may reopen the Certificate and adjust existing or require new conditions to ensure detrimental impacts are mitigated if environmental impacts are found to be substantially different from those projected in the EMC's Findings of Fact.

This condition requires no action by the Certificate Holders. The EMC did not take action on this condition in 2024.

4.6 - Condition 6 (20-Year Certificate Evaluation)

In twenty years from the date of the Certificate, the Cities shall submit a written report to the EMC to include: (a) summary of transfers for the previous twenty years, (b) discussion of any changes to the environmental impacts assessment from IBT transfers, (c) summary of all actions to address actual or potential drought conditions, (d) recommendations for any changes to the Certificate, (e) details on consultation with interested stakeholders, and (f) certification of compliance with Certificate. This will continue at 20-year intervals.

The IBT Certificate was approved on January 10, 2007 and signed into effect on January 25, 2007; therefore, the first 20-year certificate evaluation report will be completed in 2027.

4.7 - Condition 7 (Limit of Certificate)

The Certificate does not exempt the Cities from compliance with any other requirements of law.

This condition requires no action by the Cities.

APPENDIX

Daily Interbasin Transfer Amounts for 2024

2024 Concord-Kannapolis IBT Tracking

Condition of IBT Certificate (January 25, 2007)

Maximum day transfer from the Catawba River Basin10MGD

Maximum day transfer from the Yadkin Pee-Dee River Basin10MGD

Maximum day transfer from the South Yadkin River Basin (grandfather)6MGD

Maximum day transfer to the South Yadkin River Basin (cannot exceed transfer from South Yadkin by more than 1.99 MGD)

Calculated Fields

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba								
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	Charlotte Water Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT ¹	Total Yadkin IBT	Total Catawba IBT	Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer
1/1/2024	0.000	0.000	4.525		0.262	-0.262	4.525	0.000	0.000	0.000%	4.525	45.250%	-0.262	-4.367%	0.262	13.166%
1/2/2024	0.000	0.000	4.568		0.351	-0.351	4.568	0.000	0.000	0.000%	4.568	45.680%	-0.351	-5.850%	0.351	17.638%
1/3/2024	0.000	0.000	4.551		0.305	-0.305	4.551	0.000	0.000	0.000%	4.551	45.510%	-0.305	-5.083%	0.305	15.327%
1/4/2024	0.000	0.000	4.518		0.261	-0.261	4.518	0.000	0.000	0.000%	4.518	45.180%	-0.261	-4.350%	0.261	13.116%
1/5/2024	0.000	0.000	4.604		0.275	-0.275	4.604	0.000	0.000	0.000%	4.604	46.040%	-0.275	-4.583%	0.275	13.819%
1/6/2024	0.000	0.000	4.542		0.218	-0.218	4.542	0.000	0.000	0.000%	4.542	45.420%	-0.218	-3.633%	0.218	10.955%
1/7/2024	0.000	0.000	4.551		0.259	-0.259	4.551	0.000	0.000	0.000%	4.551	45.510%	-0.259	-4.317%	0.259	13.015%
1/8/2024	0.000	0.000	4.519	0.092	0.358	-0.358	4.519	0.092	0.092	0.920%	4.519	45.190%	-0.358	-5.967%	0.358	17.990%
1/9/2024	0.000	0.000	4.428		0.269	-0.269	4.428	0.000	0.000	0.000%	4.428	44.280%	-0.269	-4.483%	0.269	13.518%
1/10/2024	0.000	0.000	4.520		0.282	-0.282	4.520	0.000	0.000	0.000%	4.520	45.200%	-0.282	-4.700%	0.282	14.171%
1/11/2024	0.000	0.000	4.573		0.280	-0.280	4.573	0.000	0.000	0.000%	4.573	45.730%	-0.280	-4.667%	0.280	14.070%
1/12/2024	0.000	0.000	4.452		0.286	-0.286	4.452	0.000	0.000	0.000%	4.452	44.520%	-0.286	-4.767%	0.286	14.372%
1/13/2024	0.000	0.000	4.603		0.211	-0.211	4.603	0.000	0.000	0.000%	4.603	46.030%	-0.211	-3.517%	0.211	10.603%
1/14/2024	0.000	0.000	4.503		0.257	-0.257	4.503	0.000	0.000	0.000%	4.503	45.030%	-0.257	-4.283%	0.257	12.915%
1/15/2024	0.000	0.000	4.641		0.276	-0.276	4.641	0.000	0.000	0.000%	4.641	46.410%	-0.276	-4.600%	0.276	13.869%
1/16/2024	0.000	0.000	4.378		0.343	-0.343	4.378	0.000	0.000	0.000%	4.378	43.780%	-0.343	-5.717%	0.343	17.236%
1/17/2024	0.000	0.000	4.545		0.24	-0.240	4.545	0.000	0.000	0.000%	4.545	45.450%	-0.240	-4.000%	0.240	12.060%
1/18/2024	0.000	0.000	4.578		0.298	-0.298	4.578	0.000	0.000	0.000%	4.578	45.780%	-0.298	-4.967%	0.298	14.975%
1/19/2024	0.000	0.000	4.689		0.332	-0.332	4.689	0.000	0.000	0.000%	4.689	46.890%	-0.332	-5.533%	0.332	16.683%
1/20/2024	0.000	0.000	4.693		0.243	-0.243	4.693	0.000	0.000	0.000%	4.693	46.930%	-0.243	-4.050%	0.243	12.211%
1/21/2024	0.000	0.000	4.768		0.284	-0.284	4.768	0.000	0.000	0.000%	4.768	47.680%	-0.284	-4.733%	0.284	14.271%
1/22/2024	0.000	0.000	4.729		0.315	-0.315	4.729	0.000	0.000	0.000%	4.729	47.290%	-0.315	-5.250%	0.315	15.829%
1/23/2024	0.000	0.000	4.698		0.258	-0.258	4.698	0.000	0.000	0.000%	4.698	46.980%	-0.258	-4.300%	0.258	12.965%
1/24/2024	0.000	0.000	4.704		0.311	-0.311	4.704	0.000	0.000	0.000%	4.704	47.040%	-0.311	-5.183%	0.311	15.628%
1/25/2024	0.000	0.000	4.620		0.285	-0.285	4.620	0.000	0.000	0.000%	4.620	46.200%	-0.285	-4.750%	0.285	14.322%
1/26/2024	0.000	0.000	4.695		0.303	-0.303	4.695	0.000	0.000	0.000%	4.695	46.950%	-0.303	-5.050%	0.303	15.226%
1/27/2024	0.000	0.000	4.706		0.258	-0.258	4.706	0.000	0.000	0.000%	4.706	47.060%	-0.258	-4.300%	0.258	12.965%
1/28/2024	0.000	0.000	4.635		0.271	-0.271	4.635	0.000	0.000	0.000%	4.635	46.350%	-0.271	-4.517%	0.271	13.618%
1/29/2024	0.000	0.000	4.669		0.292	-0.292	4.669	0.000	0.000	0.000%	4.669	46.690%	-0.292	-4.867%	0.292	14.673%
1/30/2024	0.000	0.000	4.698		0.256	-0.256	4.698	0.000	0.000	0.000%	4.698	46.980%	-0.256	-4.267%	0.256	12.864%
1/31/2024	0.000	0.000	4.660		0.284	-0.284	4.660	0.000	0.000	0.000%	4.660	46.600%	-0.284	-4.733%	0.284	14.271%
2/1/2024	0.000	0.000	4.687		0.259	-0.259	4.687	0.000	0.000	0.000%	4.687	46.870%	-0.259	-4.317%	0.259	13.015%
2/2/2024	0.000	0.000	4.618		0.265	-0.265	4.618	0.000	0.000	0.000%	4.618	46.180%	-0.265	-4.417%	0.265	13.317%
2/3/2024	0.000	0.000	4.599		0.258	-0.258	4.599	0.000	0.000	0.000%	4.599	45.990%	-0.258	-4.300%	0.258	12.965%
2/4/2024	0.000	0.000	4.621		0.216	-0.216	4.621	0.000	0.000	0.000%	4.621	46.210%	-0.216	-3.600%	0.216	10.854%
2/5/2024	0.000	0.000	4.689		0.254	-0.254	4.689	0.000	0.000	0.000%	4.689	46.890%	-0.254	-4.233%	0.254	12.764%
2/6/2024	0.000	0.000	4.912		0.265	-0.265	4.912	0.000	0.000	0.000%	4.912	49.120%	-0.265	-4.417%	0.265	13.317%
2/7/2024	0.000	0.000	4.505		0.258	-0.258	4.505	0.000	0.000	0.000%	4.505	45.050%	-0.258	-4.300%	0.258	12.965%
2/8/2024	0.000	0.000	3.390		0.316	-0.316	3.390	0.000	0.000	0.000%	3.390	33.900%	-0.316	-5.267%	0.316	15.879%
2/9/2024	0.000	0.000	4.158		0.263	-0.263	4.158	0.000	0.000	0.000%	4.158	41.580%	-0.263	-4.383%	0.263	13.216%
2/10/2024	0.000	0.000	4.690		0.249	-0.249	4.690	0.000	0.000	0.000%	4.690	46.900%	-0.249	-4.150%	0.249	12.513%
2/11/2024	0.000	0.000	4.762		0.209	-0.209	4.762	0.000	0.000	0.000%	4.762	47.620%	-0.209	-3.483%	0.209	10.503%
2/12/2024	0.000	0.000	4.692		0.307	-0.307	4.692	0.000	0.000	0.000%	4.692	46.920%	-0.307	-5.117%	0.307	15.427%
2/13/2024	0.000	0.000	4.690		0.349	-0.349	4.690	0.000	0.000	0.000%	4.690	46.900%	-0.349	-5.817%	0.349	17.538%
2/14/2024	0.000	0.000	4.566		0.258	-0.258	4.566	0.000	0.000	0.000%	4.566	45.660%	-0.258	-4.300%	0.258	12.965%
2/15/2024	0.000	0.000	4.566		0.270	-0.270	4.566	0.000	0.000	0.000%	4.566	45.660%	-0.270	-4.500%	0.270	13.568%
2/16/2024	0.000	0.000	4.685		0.324	-0.324	4.685	0.000	0.000	0.000%	4.685	46.850%	-0.324	-5.400%	0.324	16.281%
2/17/2024	0.000	0.000	4.695		0.206	-0.206	4.695	0.000	0.000	0.000%	4.695	46.950%	-0.206	-3.433%	0.206	10.352%

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin		
					South Yadkin	NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).		
	South Yadkin	Yadkin	Yadkin	Catawba		South Yadkin	Yadkin	Catawba
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	Charlotte Water Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT ¹	Total Yadkin IBT	Total Catawba IBT
2/18/2024	0.000	0.000	4.639		0.269	-0.269	4.639	0.000
2/19/2024	0.000	0.000	4.722		0.345	-0.345	4.722	0.000
2/20/2024	0.000	0.000	4.893		0.309	-0.309	4.893	0.000
2/21/2024	0.000	0.000	4.944		0.262	-0.262	4.944	0.000
2/22/2024	0.000	0.000	5.099		0.334	-0.334	5.099	0.000
2/23/2024	0.000	0.000	4.609		0.326	-0.326	4.609	0.000
2/24/2024	0.000	0.000	4.526		0.214	-0.214	4.526	0.000
2/25/2024	0.000	0.000	4.475		0.261	-0.261	4.475	0.000
2/26/2024	0.000	0.000	4.500		0.347	-0.347	4.500	0.000
2/27/2024	0.000	0.000	4.736		0.33	-0.330	4.736	0.000
2/28/2024	0.000	0.000	4.749		0.517	-0.517	4.749	0.000
2/29/2024	0.000	0.000	5.002		0.295	-0.295	5.002	0.000
3/1/2024	0.000	0.000	4.540		0.263	-0.263	4.540	0.000
3/2/2024	0.000	0.000	4.514		0.257	-0.257	4.514	0.000
3/3/2024	0.000	0.000	4.665		0.29	-0.290	4.665	0.000
3/4/2024	0.000	0.000	4.504		0.368	-0.368	4.504	0.000
3/5/2024	0.000	0.000	4.572		0.257	-0.257	4.572	0.000
3/6/2024	0.000	0.000	4.480		0.265	-0.265	4.480	0.000
3/7/2024	0.000	0.000	4.518		0.277	-0.277	4.518	0.000
3/8/2024	0.000	0.000	4.718		0.349	-0.349	4.718	0.000
3/9/2024	0.000	0.000	4.648		0.252	-0.252	4.648	0.000
3/10/2024	0.000	0.000	4.645		0.234	-0.234	4.645	0.000
3/11/2024	0.000	0.000	4.916		0.354	-0.354	4.916	0.000
3/12/2024	0.000	0.000	4.568		0.267	-0.267	4.568	0.000
3/13/2024	0.000	0.000	4.679		0.306	-0.306	4.679	0.000
3/14/2024	0.000	0.000	4.809		0.320	-0.320	4.809	0.000
3/15/2024	0.000	0.000	4.789		0.293	-0.293	4.789	0.000
3/16/2024	0.000	0.000	4.441		0.263	-0.263	4.441	0.000
3/17/2024	0.000	0.000	4.607		0.262	-0.262	4.607	0.000
3/18/2024	0.000	0.000	4.718		0.268	-0.268	4.718	0.000
3/19/2024	0.000	0.000	4.526		0.363	-0.363	4.526	0.000
3/20/2024	0.000	0.000	4.472		0.276	-0.276	4.472	0.000
3/21/2024	0.000	0.000	4.565		0.312	-0.312	4.565	0.000
3/22/2024	0.000	0.000	4.625		0.314	-0.314	4.625	0.000
3/23/2024	0.000	0.000	4.610		0.255	-0.255	4.610	0.000
3/24/2024	0.000	0.000	4.623		0.265	-0.265	4.623	0.000
3/25/2024	0.000	0.000	4.630		0.329	-0.329	4.630	0.000
3/26/2024	0.000	0.000	4.598		0.373	-0.373	4.598	0.000
3/27/2024	0.000	0.000	4.796		0.312	-0.312	4.796	0.000
3/28/2024	0.000	0.000	4.524		0.319	-0.319	4.524	0.000
3/29/2024	0.000	0.000	4.756		0.370	-0.370	4.756	0.000
3/30/2024	0.000	0.000	4.790		0.256	-0.256	4.790	0.000
3/31/2024	0.000	0.000	4.759		0.250	-0.250	4.759	0.000
4/1/2024	0.000	0.000	4.851		0.320	-0.320	4.851	0.000
4/2/2024	0.000	0.000	4.792		0.313	-0.313	4.792	0.000
4/3/2024	0.000	0.000	4.908		0.301	-0.301	4.908	0.000
4/4/2024	0.000	0.000	4.863		0.260	-0.260	4.863	0.000
4/5/2024	0.000	0.000	4.669		0.256	-0.256	4.669	0.000
4/6/2024	0.000	0.000	4.523		0.259	-0.259	4.523	0.000
4/7/2024	0.000	0.000	4.557		0.267	-0.267	4.557	0.000
4/8/2024	0.000	0.000	4.642		0.319	-0.319	4.642	0.000
4/9/2024	0.000	0.000	4.280		0.349	-0.349	4.280	0.000
4/10/2024	0.000	0.000	4.466		0.301	-0.301	4.466	0.000
4/11/2024	0.000	0.000	4.526		0.353	-0.353	4.526	0.000
4/12/2024	0.000	0.000	4.815		0.289	-0.289	4.815	0.000
4/13/2024	0.000	0.000	4.654		0.257	-0.257	4.654	0.000

Interbasin Transfer							
Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer
0.000	0.000%	4.639	46.390%	-0.269	-4.483%	0.269	13.518%
0.000	0.000%	4.722	47.220%	-0.345	-5.750%	0.345	17.337%
0.000	0.000%	4.893	48.930%	-0.309	-5.150%	0.309	15.528%
0.000	0.000%	4.944	49.440%	-0.262	-4.367%	0.262	13.166%
0.000	0.000%	5.099	50.990%	-0.334	-5.567%	0.334	16.784%
0.000	0.000%	4.609	46.090%	-0.326	-5.433%	0.326	16.382%
0.000	0.000%	4.526	45.260%	-0.214	-3.567%	0.214	10.754%
0.000	0.000%	4.475	44.750%	-0.261	-4.350%	0.261	13.116%
0.000	0.000%	4.500	45.000%	-0.347	-5.783%	0.347	17.437%
0.000	0.000%	4.736	47.360%	-0.330	-5.500%	0.330	16.583%
0.000	0.000%	4.749	47.490%	-0.517	-8.617%	0.517	25.980%
0.000	0.000%	5.002	50.020%	-0.295	-4.917%	0.295	14.824%
0.000	0.000%	4.540	45.400%	-0.263	-4.383%	0.263	13.216%
0.000	0.000%	4.514	45.140%	-0.257	-4.283%	0.257	12.915%
0.000	0.000%	4.665	46.650%	-0.290	-4.833%	0.290	14.573%
0.000	0.000%	4.504	45.040%	-0.368	-6.133%	0.368	18.492%
0.000	0.000%	4.572	45.720%	-0.257	-4.283%	0.257	12.915%
0.000	0.000%	4.480	44.800%	-0.265	-4.417%	0.265	13.317%
0.000	0.000%	4.518	45.180%	-0.277	-4.617%	0.277	13.920%
0.000	0.000%	4.718	47.180%	-0.349	-5.817%	0.349	17.538%
0.000	0.000%	4.648	46.480%	-0.252	-4.200%	0.252	12.663%
0.000	0.000%	4.645	46.450%	-0.234	-3.900%	0.234	11.759%
0.000	0.000%	4.916	49.160%	-0.354	-5.900%	0.354	17.789%
0.000	0.000%	4.568	45.680%	-0.267	-4.450%	0.267	13.417%
0.000	0.000%	4.679	46.790%	-0.306	-5.100%	0.306	15.377%
0.000	0.000%	4.809	48.090%	-0.320	-5.333%	0.320	16.080%
0.000	0.000%	4.789	47.890%	-0.293	-4.883%	0.293	14.724%
0.000	0.000%	4.441	44.410%	-0.263	-4.383%	0.263	13.216%
0.000	0.000%	4.607	46.070%	-0.262	-4.367%	0.262	13.166%
0.000	0.000%	4.718	47.180%	-0.268	-4.467%	0.268	13.467%
0.000	0.000%	4.526	45.260%	-0.363	-6.050%	0.363	18.241%
0.000	0.000%	4.472	44.720%	-0.276	-4.600%	0.276	13.869%
0.000	0.000%	4.565	45.650%	-0.312	-5.200%	0.312	15.678%
0.000	0.000%	4.625	46.250%	-0.314	-5.233%	0.314	15.779%
0.000	0.000%	4.610	46.100%	-0.255	-4.250%	0.255	12.814%
0.000	0.000%	4.623	46.230%	-0.265	-4.417%	0.265	13.317%
0.000	0.000%	4.630	46.300%	-0.329	-5.483%	0.329	16.533%
0.000	0.000%	4.598	45.980%	-0.373	-6.217%	0.373	18.744%
0.000	0.000%	4.796	47.960%	-0.312	-5.200%	0.312	15.678%
0.000	0.000%	4.524	45.240%	-0.319	-5.317%	0.319	16.030%
0.000	0.000%	4.756	47.560%	-0.370	-6.167%	0.370	18.593%
0.000	0.000%	4.790	47.900%	-0.256	-4.267%	0.256	12.864%
0.000	0.000%	4.759	47.590%	-0.250	-4.167%	0.250	12.563%
0.000	0.000%	4.851	48.510%	-0.320	-5.333%	0.320	16.080%
0.000	0.000%	4.792	47.920%	-0.313	-5.217%	0.313	15.729%
0.000	0.000%	4.908	49.080%	-0.301	-5.017%	0.301	15.126%
0.000	0.000%	4.863	48.630%	-0.260	-4.333%	0.260	13.065%
0.000	0.000%	4.669	46.690%	-0.256	-4.267%	0.256	12.864%
0.000	0.000%	4.523	45.230%	-0.259	-4.317%	0.259	13.015%
0.000	0.000%	4.557	45.570%	-0.267	-4.450%	0.267	13.417%
0.000	0.000%	4.642	46.420%	-0.319	-5.317%	0.319	16.030%
0.000	0.000%	4.280	42.800%	-0.349	-5.817%	0.349	17.538%
0.000	0.000%	4.466	44.660%	-0.301	-5.017%	0.301	15.126%
0.000	0.000%	4.526	45.260%	-0.353	-5.883%	0.353	17.739%
0.000	0.000%	4.815	48.150%	-0.289	-4.817%	0.289	14.523%
0.000	0.000%	4.654	46.540%	-0.257	-4.283%	0.257	12.915%

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin		
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).		
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	Charlotte Water Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT ¹	Total Yadkin IBT	Total Catawba IBT
4/14/2024	0.000	0.000	4.895		0.274	-0.274	4.895	0.000
4/15/2024	0.000	0.000	5.011		0.334	-0.334	5.011	0.000
4/16/2024	0.000	0.000	5.018		0.312	-0.312	5.018	0.000
4/17/2024	0.000	0.000	5.213		0.371	-0.371	5.213	0.000
4/18/2024	0.000	0.000	4.747		0.360	-0.360	4.747	0.000
4/19/2024	0.000	0.000	5.022		0.314	-0.314	5.022	0.000
4/20/2024	0.000	0.000	4.767		0.261	-0.261	4.767	0.000
4/21/2024	0.000	0.000	4.651		0.261	-0.261	4.651	0.000
4/22/2024	0.000	0.000	4.442		0.335	-0.335	4.442	0.000
4/23/2024	0.000	0.000	4.660		0.316	-0.316	4.660	0.000
4/24/2024	0.000	0.000	4.665		0.311	-0.311	4.665	0.000
4/25/2024	0.000	0.000	4.985		0.317	-0.317	4.985	0.000
4/26/2024	0.000	0.000	5.006		0.323	-0.323	5.006	0.000
4/27/2024	0.000	0.000	4.937		0.256	-0.256	4.937	0.000
4/28/2024	0.000	0.000	4.935		0.314	-0.314	4.935	0.000
4/29/2024	0.000	0.000	4.995		0.281	-0.281	4.995	0.000
4/30/2024	0.000	0.000	5.265		0.410	-0.410	5.265	0.000
5/1/2024	0.000	0.000	5.280		0.358	-0.358	5.280	0.000
5/2/2024	0.000	0.000	5.105		0.326	-0.326	5.105	0.000
5/3/2024	0.000	0.000	4.908		0.363	-0.363	4.908	0.000
5/4/2024	0.000	0.000	4.677		0.259	-0.259	4.677	0.000
5/5/2024	0.000	0.000	4.731		0.258	-0.258	4.731	0.000
5/6/2024	0.000	0.000	4.854		0.254	-0.254	4.854	0.000
5/7/2024	0.000	0.000	4.716		0.307	-0.307	4.716	0.000
5/8/2024	0.000	0.000	4.768		0.256	-0.256	4.768	0.000
5/9/2024	0.000	0.000	5.015		0.274	-0.274	5.015	0.000
5/10/2024	0.000	0.000	5.165		0.252	-0.252	5.165	0.000
5/11/2024	0.000	0.000	4.687		0.310	-0.310	4.687	0.000
5/12/2024	0.000	0.000	4.889		0.264	-0.264	4.889	0.000
5/13/2024	0.000	0.000	4.915		0.319	-0.319	4.915	0.000
5/14/2024	0.000	0.000	4.918		0.265	-0.265	4.918	0.000
5/15/2024	0.000	0.000	4.855		0.261	-0.261	4.855	0.000
5/16/2024	0.000	0.000	4.729		0.304	-0.304	4.729	0.000
5/17/2024	0.000	0.000	4.914		0.259	-0.259	4.914	0.000
5/18/2024	0.000	0.000	4.618		0.304	-0.304	4.618	0.000
5/19/2024	0.000	0.000	4.965		0.256	-0.256	4.965	0.000
5/20/2024	0.000	0.000	4.642		0.302	-0.302	4.642	0.000
5/21/2024	0.000	0.000	5.212		0.317	-0.317	5.212	0.000
5/22/2024	0.000	0.000	5.006		0.329	-0.329	5.006	0.000
5/23/2024	0.000	0.000	5.072		0.327	-0.327	5.072	0.000
5/24/2024	0.000	0.000	5.027		0.259	-0.259	5.027	0.000
5/25/2024	0.000	0.000	5.087		0.359	-0.359	5.087	0.000
5/26/2024	0.000	0.000	4.751		0.309	-0.309	4.751	0.000
5/27/2024	0.000	0.000	5.020		0.271	-0.271	5.020	0.000
5/28/2024	0.000	0.000	5.075		0.596	-0.596	5.075	0.000
5/29/2024	0.000	0.000	4.810		0.764	-0.764	4.810	0.000
5/30/2024	0.000	0.000	4.955		0.313	-0.313	4.955	0.000
5/31/2024	0.000	0.000	4.801		0.271	-0.271	4.801	0.000
6/1/2024	0.000	0.000	5.009		0.302	-0.302	5.009	0.000
6/2/2024	0.000	0.000	4.933		0.298	-0.298	4.933	0.000
6/3/2024	0.000	0.000	4.721		0.333	-0.333	4.721	0.000
6/4/2024	0.000	0.000	4.363		0.331	-0.331	4.363	0.000
6/5/2024	0.000	0.000	3.903		0.306	-0.306	3.903	0.000
6/6/2024	0.000	0.000	4.328		0.269	-0.269	4.328	0.000
6/7/2024	0.000	0.000	4.304		0.400	-0.400	4.304	0.000
6/8/2024	0.000	0.000	4.347		0.319	-0.319	4.347	0.000

Interbasin Transfer							
Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer
0.000	0.000%	4.895	48.950%	-0.274	-4.567%	0.274	13.769%
0.000	0.000%	5.011	50.110%	-0.334	-5.567%	0.334	16.784%
0.000	0.000%	5.018	50.180%	-0.312	-5.200%	0.312	15.678%
0.000	0.000%	5.213	52.130%	-0.371	-6.183%	0.371	18.643%
0.000	0.000%	4.747	47.470%	-0.360	-6.000%	0.360	18.090%
0.000	0.000%	5.022	50.220%	-0.314	-5.233%	0.314	15.779%
0.000	0.000%	4.767	47.670%	-0.261	-4.350%	0.261	13.116%
0.000	0.000%	4.651	46.510%	-0.261	-4.350%	0.261	13.116%
0.000	0.000%	4.442	44.420%	-0.335	-5.583%	0.335	16.834%
0.000	0.000%	4.660	46.600%	-0.316	-5.267%	0.316	15.879%
0.000	0.000%	4.665	46.650%	-0.311	-5.183%	0.311	15.628%
0.000	0.000%	4.985	49.850%	-0.317	-5.283%	0.317	15.930%
0.000	0.000%	5.006	50.060%	-0.323	-5.383%	0.323	16.231%
0.000	0.000%	4.937	49.370%	-0.256	-4.267%	0.256	12.864%
0.000	0.000%	4.935	49.350%	-0.314	-5.233%	0.314	15.779%
0.000	0.000%	4.995	49.950%	-0.281	-4.683%	0.281	14.121%
0.000	0.000%	5.265	52.650%	-0.410	-6.833%	0.410	20.603%
0.000	0.000%	5.280	52.800%	-0.358	-5.967%	0.358	17.990%
0.000	0.000%	5.105	51.050%	-0.326	-5.433%	0.326	16.382%
0.000	0.000%	4.908	49.080%	-0.363	-6.050%	0.363	18.241%
0.000	0.000%	4.677	46.770%	-0.259	-4.317%	0.259	13.015%
0.000	0.000%	4.731	47.310%	-0.258	-4.300%	0.258	12.965%
0.000	0.000%	4.854	48.540%	-0.254	-4.233%	0.254	12.764%
0.000	0.000%	4.716	47.160%	-0.307	-5.117%	0.307	15.427%
0.000	0.000%	4.768	47.680%	-0.256	-4.267%	0.256	12.864%
0.000	0.000%	5.015	50.150%	-0.274	-4.567%	0.274	13.769%
0.000	0.000%	5.165	51.650%	-0.252	-4.200%	0.252	12.663%
0.000	0.000%	4.687	46.870%	-0.310	-5.167%	0.310	15.578%
0.000	0.000%	4.889	48.890%	-0.264	-4.400%	0.264	13.266%
0.000	0.000%	4.915	49.150%	-0.319	-5.317%	0.319	16.030%
0.000	0.000%	4.918	49.180%	-0.265	-4.417%	0.265	13.317%
0.000	0.000%	4.855	48.550%	-0.261	-4.350%	0.261	13.116%
0.000	0.000%	4.729	47.290%	-0.304	-5.067%	0.304	15.276%
0.000	0.000%	4.914	49.140%	-0.259	-4.317%	0.259	13.015%
0.000	0.000%	4.618	46.180%	-0.304	-5.067%	0.304	15.276%
0.000	0.000%	4.965	49.650%	-0.256	-4.267%	0.256	12.864%
0.000	0.000%	4.642	46.420%	-0.302	-5.033%	0.302	15.176%
0.000	0.000%	5.212	52.120%	-0.317	-5.283%	0.317	15.930%
0.000	0.000%	5.006	50.060%	-0.329	-5.483%	0.329	16.533%
0.000	0.000%	5.072	50.720%	-0.327	-5.450%	0.327	16.432%
0.000	0.000%	5.027	50.270%	-0.259	-4.317%	0.259	13.015%
0.000	0.000%	5.087	50.870%	-0.359	-5.983%	0.359	18.040%
0.000	0.000%	4.751	47.510%	-0.309	-5.150%	0.309	15.528%
0.000	0.000%	5.020	50.200%	-0.271	-4.517%	0.271	13.618%
0.000	0.000%	5.075	50.750%	-0.596	-9.933%	0.596	29.950%
0.000	0.000%	4.810	48.100%	-0.764	-12.733%	0.764	38.392%
0.000	0.000%	4.955	49.550%	-0.313	-5.217%	0.313	15.729%
0.000	0.000%	4.801	48.010%	-0.271	-4.517%	0.271	13.618%
0.000	0.000%	5.009	50.090%	-0.302	-5.033%	0.302	15.176%
0.000	0.000%	4.933	49.330%	-0.298	-4.967%	0.298	14.975%
0.000	0.000%	4.721	47.210%	-0.233	-3.883%	0.333	16.734%
0.000	0.000%	4.363	43.630%	-0.331	-5.517%	0.331	16.633%
0.000	0.000%	3.903	39.030%	-0.306	-5.100%	0.306	15.377%
0.000	0.000%	4.328	43.280%	-0.269	-4.483%	0.269	13.518%
0.000	0.000%	4.304	43.040%	-0.400	-6.667%	0.400	20.101%
0.000	0.000%	4.347	43.470%	-0.319	-5.317%	0.319	16.030%

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin		
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).		
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	Charlotte Water Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT ¹	Total Yadkin IBT	Total Catawba IBT
6/9/2024	0.000	0.000	4.475		0.320	-0.320	4.475	0.000
6/10/2024	0.000	0.000	4.391		0.322	-0.322	4.391	0.000
6/11/2024	0.000	0.000	4.442		0.315	-0.315	4.442	0.000
6/12/2024	0.000	0.000	4.358		0.381	-0.381	4.358	0.000
6/13/2024	0.000	0.000	4.455		0.322	-0.322	4.455	0.000
6/14/2024	0.000	0.000	4.500		0.424	-0.424	4.500	0.000
6/15/2024	0.000	0.000	4.713		0.282	-0.282	4.713	0.000
6/16/2024	0.000	0.000	4.644		0.294	-0.294	4.644	0.000
6/17/2024	0.000	0.000	4.842		0.320	-0.320	4.842	0.000
6/18/2024	0.000	0.000	4.909		0.322	-0.322	4.909	0.000
6/19/2024	0.000	0.000	5.166		0.314	-0.314	5.166	0.000
6/20/2024	0.000	0.000	4.974		0.399	-0.399	4.974	0.000
6/21/2024	0.000	0.000	4.893		0.347	-0.347	4.893	0.000
6/22/2024	0.000	0.000	5.359		0.308	-0.308	5.359	0.000
6/23/2024	0.000	0.000	4.949		0.330	-0.330	4.949	0.000
6/24/2024	0.000	0.000	4.894		0.354	-0.354	4.894	0.000
6/25/2024	0.000	0.000	4.898		0.331	-0.331	4.898	0.000
6/26/2024	0.000	0.000	4.923		0.349	-0.349	4.923	0.000
6/27/2024	0.000	0.000	4.746		0.328	-0.328	4.746	0.000
6/28/2024	0.000	0.000	4.565		0.380	-0.380	4.565	0.000
6/29/2024	0.000	0.000	4.708		0.299	-0.299	4.708	0.000
6/30/2024	0.000	0.000	4.844		0.321	-0.321	4.844	0.000
7/1/2024	0.000	0.000	4.352		0.326	-0.326	4.352	0.000
7/2/2024	0.000	0.000	4.149		0.351	-0.351	4.149	0.000
7/3/2024	0.000	0.000	4.502		0.326	-0.326	4.502	0.000
7/4/2024	0.000	0.000	4.472		0.382	-0.382	4.472	0.000
7/5/2024	0.000	0.000	4.557		0.327	-0.327	4.557	0.000
7/6/2024	0.000	0.000	4.465		0.312	-0.312	4.465	0.000
7/7/2024	0.000	0.000	4.102		0.250	-0.250	4.102	0.000
7/8/2024	0.000	0.000	4.119		0.323	-0.323	4.119	0.000
7/9/2024	0.000	0.000	4.226		0.338	-0.338	4.226	0.000
7/10/2024	0.000	0.000	4.503		0.333	-0.333	4.503	0.000
7/11/2024	0.000	0.000	4.497		0.463	-0.463	4.497	0.000
7/12/2024	0.000	0.000	4.466		0.383	-0.383	4.466	0.000
7/13/2024	0.000	0.000	4.167		0.314	-0.314	4.167	0.000
7/14/2024	0.000	0.000	3.961		0.286	-0.286	3.961	0.000
7/15/2024	0.000	0.000	4.351		0.361	-0.361	4.351	0.000
7/16/2024	0.000	0.000	4.529		0.299	-0.299	4.529	0.000
7/17/2024	0.000	0.000	4.346		0.362	-0.362	4.346	0.000
7/18/2024	0.000	0.000	4.327		0.296	-0.296	4.327	0.000
7/19/2024	0.000	0.000	4.256		0.463	-0.463	4.256	0.000
7/20/2024	0.000	0.000	4.079		0.273	-0.273	4.079	0.000
7/21/2024	0.000	0.000	4.221		0.304	-0.304	4.221	0.000
7/22/2024	0.000	0.000	4.364		0.300	-0.300	4.364	0.000
7/23/2024	0.000	0.000	4.414		0.281	-0.281	4.414	0.000
7/24/2024	0.000	0.000	4.356		0.264	-0.264	4.356	0.000
7/25/2024	0.000	0.000	4.211		0.496	-0.496	4.211	0.000
7/26/2024	0.000	0.000	4.239		0.259	-0.259	4.239	0.000
7/27/2024	0.000	0.000	4.031		0.323	-0.323	4.031	0.000
7/28/2024	0.000	0.000	4.369		0.261	-0.261	4.369	0.000
7/29/2024	0.000	0.000	4.349		0.258	-0.258	4.349	0.000
7/30/2024	0.000	0.000	4.260		0.287	-0.287	4.260	0.000
7/31/2024	0.000	0.000	4.386		0.28	-0.280	4.386	0.000
8/1/2024	0.000	0.000	4.538		0.259	-0.259	4.538	0.000
8/2/2024	0.000	0.000	4.583		0.274	-0.274	4.583	0.000
8/3/2024	0.000	0.000	4.633		0.308	-0.308	4.633	0.000

Interbasin Transfer							
Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer
0.000	0.000%	4.475	44.750%	-0.320	-5.333%	0.320	16.080%
0.000	0.000%	4.391	43.910%	-0.322	-5.367%	0.322	16.181%
0.000	0.000%	4.442	44.420%	-0.315	-5.250%	0.315	15.829%
0.000	0.000%	4.358	43.580%	-0.381	-6.350%	0.381	19.146%
0.000	0.000%	4.455	44.550%	-0.322	-5.367%	0.322	16.181%
0.000	0.000%	4.500	45.000%	-0.424	-7.067%	0.424	21.307%
0.000	0.000%	4.713	47.130%	-0.282	-4.700%	0.282	14.171%
0.000	0.000%	4.644	46.440%	-0.294	-4.900%	0.294	14.774%
0.000	0.000%	4.842	48.420%	-0.320	-5.333%	0.320	16.080%
0.000	0.000%	4.909	49.090%	-0.322	-5.367%	0.322	16.181%
0.000	0.000%	5.166	51.660%	-0.314	-5.233%	0.314	15.779%
0.000	0.000%	4.974	49.740%	-0.399	-6.650%	0.399	20.050%
0.000	0.000%	4.893	48.930%	-0.347	-5.783%	0.347	17.437%
0.000	0.000%	5.359	53.590%	-0.308	-5.133%	0.308	15.477%
0.000	0.000%	4.949	49.490%	-0.330	-5.500%	0.330	16.583%
0.000	0.000%	4.894	48.940%	-0.354	-5.900%	0.354	17.789%
0.000	0.000%	4.898	48.980%	-0.331	-5.517%	0.331	16.633%
0.000	0.000%	4.923	49.230%	-0.349	-5.817%	0.349	17.538%
0.000	0.000%	4.746	47.460%	-0.328	-5.467%	0.328	16.482%
0.000	0.000%	4.565	45.650%	-0.380	-6.333%	0.380	19.095%
0.000	0.000%	4.708	47.080%	-0.299	-4.983%	0.299	15.025%
0.000	0.000%	4.844	48.440%	-0.321	-5.350%	0.321	16.131%
0.000	0.000%	4.352	43.520%	-0.326	-5.433%	0.326	16.382%
0.000	0.000%	4.149	41.490%	-0.351	-5.850%	0.351	17.638%
0.000	0.000%	4.502	45.020%	-0.326	-5.433%	0.326	16.382%
0.000	0.000%	4.472	44.720%	-0.382	-6.367%	0.382	19.196%
0.000	0.000%	4.557	45.570%	-0.327	-5.450%	0.327	16.432%
0.000	0.000%	4.465	44.650%	-0.312	-5.200%	0.312	15.678%
0.000	0.000%	4.102	41.020%	-0.250	-4.167%	0.250	12.563%
0.000	0.000%	4.119	41.190%	-0.323	-5.383%	0.323	16.231%
0.000	0.000%	4.226	42.260%	-0.338	-5.633%	0.338	16.985%
0.000	0.000%	4.503	45.030%	-0.333	-5.550%	0.333	16.734%
0.000	0.000%	4.497	44.970%	-0.463	-7.717%	0.463	23.266%
0.000	0.000%	4.466	44.660%	-0.383	-6.383%	0.383	19.246%
0.000	0.000%	4.167	41.670%	-0.314	-5.233%	0.314	15.779%
0.000	0.000%	3.961	39.610%	-0.286	-4.767%	0.286	14.372%
0.000	0.000%	4.351	43.510%	-0.361	-6.017%	0.361	18.141%
0.000	0.000%	4.529	45.290%	-0.299	-4.983%	0.299	15.025%
0.000	0.000%	4.346	43.460%	-0.362	-6.033%	0.362	18.191%
0.000	0.000%	4.327	43.270%	-0.296	-4.933%	0.296	14.874%
0.000	0.000%	4.256	42.560%	-0.463	-7.717%	0.463	23.266%
0.000	0.000%	4.079	40.790%	-0.273	-4.550%	0.273	13.719%
0.000	0.000%	4.221	42.210%	-0.304	-5.067%	0.304	15.276%
0.000	0.000%	4.364	43.640%	-0.300	-5.000%	0.300	15.075%
0.000	0.000%	4.414	44.140%	-0.281	-4.683%	0.281	14.121%
0.000	0.000%	4.356	43.560%	-0.264	-4.400%	0.264	13.266%
0.000	0.000%	4.211	42.110%	-0.496	-8.267%	0.496	24.925%
0.000	0.000%	4.239	42.390%	-0.259	-4.317%	0.259	13.015%
0.000	0.000%	4.031	40.310%	-0.323	-5.383%	0.323	16.231%
0.000	0.000%	4.369	43.690%	-0.261	-4.350%	0.261	13.116%
0.000	0.000%	4.349	43.490%	-0.258	-4.300%	0.258	12.965%
0.000	0.000%	4.260	42.600%	-0.287	-4.783%	0.287	14.422%
0.000	0.000%	4.386	43.860%	-0.280	-4.667%	0.280	14.070%
0.000	0.000%	4.538	45.380%	-0.259	-4.317%	0.259	13.015%
0.000	0.000%	4.583	45.830%	-0.274	-4.567%	0.274	13.769%
0.000	0.000%	4.633	46.330%	-0.308	-5.133%	0.308	15.477%

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin		
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).		
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	Charlotte Water Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT ¹	Total Yadkin IBT	Total Catawba IBT
8/4/2024	0.000	0.000	4.461		0.264	-0.264	4.461	0.000
8/5/2024	0.000	0.000	4.621		0.255	-0.255	4.621	0.000
8/6/2024	0.000	0.000	4.759		0.332	-0.332	4.759	0.000
8/7/2024	0.000	0.000	5.017		0.305	-0.305	5.017	0.000
8/8/2024	0.000	0.000	4.827		0.252	-0.252	4.827	0.000
8/9/2024	0.000	0.000	4.523		0.312	-0.312	4.523	0.000
8/10/2024	0.000	0.000	4.581		0.278	-0.278	4.581	0.000
8/11/2024	0.000	0.000	4.574		0.271	-0.271	4.574	0.000
8/12/2024	0.000	0.000	4.635		0.279	-0.279	4.635	0.000
8/13/2024	0.000	0.000	4.740		0.265	-0.265	4.740	0.000
8/14/2024	0.000	0.000	4.505		0.345	-0.345	4.505	0.000
8/15/2024	0.000	0.000	4.939		0.363	-0.363	4.939	0.000
8/16/2024	0.000	0.000	4.962		0.347	-0.347	4.962	0.000
8/17/2024	0.000	0.000	4.947		0.261	-0.261	4.947	0.000
8/18/2024	0.000	0.000	4.631		0.309	-0.309	4.631	0.000
8/19/2024	0.000	0.000	4.654		0.532	-0.532	4.654	0.000
8/20/2024	0.000	0.000	4.768		0.523	-0.523	4.768	0.000
8/21/2024	0.000	0.000	4.674		0.321	-0.321	4.674	0.000
8/22/2024	0.000	0.000	4.645		0.309	-0.309	4.645	0.000
8/23/2024	0.000	0.000	4.735		0.351	-0.351	4.735	0.000
8/24/2024	0.000	0.000	4.778		0.274	-0.274	4.778	0.000
8/25/2024	0.000	0.000	4.895		0.328	-0.328	4.895	0.000
8/26/2024	0.000	0.000	4.716		0.338	-0.338	4.716	0.000
8/27/2024	0.000	0.000	4.586		0.354	-0.354	4.586	0.000
8/28/2024	0.000	0.000	4.926		0.350	-0.350	4.926	0.000
8/29/2024	0.000	0.000	4.770		0.355	-0.355	4.770	0.000
8/30/2024	0.000	0.000	5.062		0.350	-0.350	5.062	0.000
8/31/2024	0.000	0.000	4.734		0.300	-0.300	4.734	0.000
9/1/2024	0.000	0.000	4.956		0.259	-0.259	4.956	0.000
9/2/2024	0.000	0.000	4.473		0.312	-0.312	4.473	0.000
9/3/2024	0.000	0.000	4.757		0.275	-0.275	4.757	0.000
9/4/2024	0.000	0.000	4.759		0.338	-0.338	4.759	0.000
9/5/2024	0.000	0.000	4.831		0.322	-0.322	4.831	0.000
9/6/2024	0.000	0.000	4.747		0.345	-0.345	4.747	0.000
9/7/2024	0.000	0.000	4.695		0.264	-0.264	4.695	0.000
9/8/2024	0.000	0.000	4.783		0.333	-0.333	4.783	0.000
9/9/2024	0.000	0.000	4.806		0.356	-0.356	4.806	0.000
9/10/2024	0.000	0.000	5.092		0.310	-0.310	5.092	0.000
9/11/2024	0.000	0.000	4.899		0.449	-0.449	4.899	0.000
9/12/2024	0.000	0.000	5.004		0.324	-0.324	5.004	0.000
9/13/2024	0.000	0.000	4.980		0.403	-0.403	4.980	0.000
9/14/2024	0.000	0.000	4.720		0.336	-0.336	4.720	0.000
9/15/2024	0.000	0.000	4.771		0.275	-0.275	4.771	0.000
9/16/2024	0.000	0.000	4.722		0.339	-0.339	4.722	0.000
9/17/2024	0.000	0.000	4.587		0.346	-0.346	4.587	0.000
9/18/2024	0.000	0.000	5.106		0.270	-0.270	5.106	0.000
9/19/2024	0.000	0.000	4.640		0.343	-0.343	4.640	0.000
9/20/2024	0.000	0.000	4.633		0.347	-0.347	4.633	0.000
9/21/2024	0.000	0.000	4.755		0.267	-0.267	4.755	0.000
9/22/2024	0.000	0.000	4.885		0.337	-0.337	4.885	0.000
9/23/2024	0.000	0.000	4.818		0.270	-0.270	4.818	0.000
9/24/2024	0.000	0.000	4.737		0.341	-0.341	4.737	0.000
9/25/2024	0.000	0.000	4.662		0.290	-0.290	4.662	0.000
9/26/2024	0.000	0.000	4.626		0.253	-0.253	4.626	0.000
9/27/2024	0.000	0.000	4.623		0.284	-0.284	4.623	0.000
9/28/2024	0.000	0.000	4.779		0.257	-0.257	4.779	0.000

Interbasin Transfer							
Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer
0.000	0.000%	4.461	44.610%	-0.264	-4.400%	0.264	13.266%
0.000	0.000%	4.621	46.210%	-0.255	-4.250%	0.255	12.814%
0.000	0.000%	4.759	47.590%	-0.332	-5.533%	0.332	16.683%
0.000	0.000%	5.017	50.170%	-0.305	-5.083%	0.305	15.327%
0.000	0.000%	4.827	48.270%	-0.252	-4.200%	0.252	12.663%
0.000	0.000%	4.523	45.230%	-0.312	-5.200%	0.312	15.678%
0.000	0.000%	4.581	45.810%	-0.278	-4.633%	0.278	13.970%
0.000	0.000%	4.574	45.740%	-0.271	-4.517%	0.271	13.618%
0.000	0.000%	4.635	46.350%	-0.279	-4.650%	0.279	14.020%
0.000	0.000%	4.740	47.400%	-0.265	-4.417%	0.265	13.317%
0.000	0.000%	4.505	45.050%	-0.345	-5.750%	0.345	17.337%
0.000	0.000%	4.939	49.390%	-0.363	-6.050%	0.363	18.241%
0.000	0.000%	4.962	49.620%	-0.347	-5.783%	0.347	17.437%
0.000	0.000%	4.947	49.470%	-0.261	-4.350%	0.261	13.116%
0.000	0.000%	4.631	46.310%	-0.309	-5.150%	0.309	15.528%
0.000	0.000%	4.654	46.540%	-0.532	-8.867%	0.532	26.734%
0.000	0.000%	4.768	47.680%	-0.523	-8.717%	0.523	26.281%
0.000	0.000%	4.674	46.740%	-0.321	-5.350%	0.321	16.131%
0.000	0.000%	4.645	46.450%	-0.309	-5.150%	0.309	15.528%
0.000	0.000%	4.735	47.350%	-0.351	-5.850%	0.351	17.638%
0.000	0.000%	4.778	47.780%	-0.274	-4.567%	0.274	13.769%
0.000	0.000%	4.895	48.950%	-0.328	-5.467%	0.328	16.482%
0.000	0.000%	4.716	47.160%	-0.338	-5.633%	0.338	16.985%
0.000	0.000%	4.586	45.860%	-0.354	-5.900%	0.354	17.789%
0.000	0.000%	4.926	49.260%	-0.350	-5.833%	0.350	17.588%
0.000	0.000%	4.770	47.700%	-0.355	-5.917%	0.355	17.839%
0.000	0.000%	5.062	50.620%	-0.350	-5.833%	0.350	17.588%
0.000	0.000%	4.734	47.340%	-0.300	-5.000%	0.300	15.075%
0.000	0.000%	4.956	49.560%	-0.259	-4.317%	0.259	13.015%
0.000	0.000%	4.473	44.730%	-0.312	-5.200%	0.312	15.678%
0.000	0.000%	4.757	47.570%	-0.275	-4.583%	0.275	13.819%
0.000	0.000%	4.759	47.590%	-0.338	-5.633%	0.338	16.985%
0.000	0.000%	4.831	48.310%	-0.322	-5.367%	0.322	16.181%
0.000	0.000%	4.747	47.470%	-0.345	-5.750%	0.345	17.337%
0.000	0.000%	4.695	46.950%	-0.264	-4.400%	0.264	13.266%
0.000	0.000%	4.783	47.830%	-0.333	-5.550%	0.333	16.734%
0.000	0.000%	4.806	48.060%	-0.356	-5.933%	0.356	17.889%
0.000	0.000%	5.092	50.920%	-0.310	-5.167%	0.310	15.578%
0.000	0.000%	4.899	48.990%	-0.449	-7.483%	0.449	22.563%
0.000	0.000%	5.004	50.040%	-0.324	-5.400%	0.324	16.281%
0.000	0.000%	4.980	49.800%	-0.403	-6.717%	0.403	20.251%
0.000	0.000%	4.720	47.200%	-0.336	-5.600%	0.336	16.884%
0.000	0.000%	4.771	47.710%	-0.275	-4.583%	0.275	13.819%
0.000	0.000%	4.722	47.220%	-0.339	-5.650%	0.339	17.035%
0.000	0.000%	4.587	45.870%	-0.346	-5.767%	0.346	17.387%
0.000	0.000%	5.106	51.060%	-0.270	-4.500%	0.270	13.568%
0.000	0.000%	4.640	46.400%	-0.343	-5.717%	0.343	17.236%
0.000	0.000%	4.633	46.330%	-0.347	-5.783%	0.347	17.437%
0.000	0.000%	4.755	47.550%	-0.267	-4.450%	0.267	13.417%
0.000	0.000%	4.885	48.850%	-0.337	-5.617%	0.337	16.935%
0.000	0.000%	4.818	48.180%	-0.270	-4.500%	0.270	13.568%
0.000	0.000%	4.737	47.370%	-0.341	-5.683%	0.341	17.136%
0.000	0.000%	4.662	46.620%	-0.290	-4.833%	0.290	14.573%
0.000	0.000%	4.626	46.260%	-0.253	-4.217%	0.253	12.714%
0.000	0.000%	4.623	46.230%	-0.284	-4.733%	0.284	14.271%
0.000	0.000%	4.779	47.790%	-0.257	-4.283%	0.257	12.915%

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin				Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).											
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba		Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	Charlotte Water Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT ¹	Total Yadkin IBT	Total Catawba IBT									
9/29/2024	0.000	0.000	4.702		0.258	-0.258	4.702	0.000		0.000	0.000%	4.702	47.020%	-0.258	-4.300%	0.258	12.965%
9/30/2024	0.000	0.000	4.845		0.381	-0.381	4.845	0.000		0.000	0.000%	4.845	48.450%	-0.381	-6.350%	0.381	19.146%
10/1/2024	0.000	0.000	4.989		0.372	-0.372	4.989	0.000		0.000	0.000%	4.989	49.890%	-0.372	-6.200%	0.372	18.693%
10/2/2024	0.000	0.000	4.831		0.270	-0.270	4.831	0.000		0.000	0.000%	4.831	48.310%	-0.270	-4.500%	0.270	13.568%
10/3/2024	0.000	0.000	4.722		0.295	-0.295	4.722	0.000		0.000	0.000%	4.722	47.220%	-0.295	-4.917%	0.295	14.824%
10/4/2024	0.000	0.000	4.531		0.294	-0.294	4.531	0.000		0.000	0.000%	4.531	45.310%	-0.294	-4.900%	0.294	14.774%
10/5/2024	0.000	0.000	4.647		0.310	-0.310	4.647	0.000		0.000	0.000%	4.647	46.470%	-0.310	-5.167%	0.310	15.578%
10/6/2024	0.000	0.000	4.510		0.271	-0.271	4.510	0.000		0.000	0.000%	4.510	45.100%	-0.271	-4.517%	0.271	13.618%
10/7/2024	0.000	0.000	4.565		0.278	-0.278	4.565	0.000		0.000	0.000%	4.565	45.650%	-0.278	-4.633%	0.278	13.970%
10/8/2024	0.000	0.000	4.588		0.341	-0.341	4.588	0.000		0.000	0.000%	4.588	45.880%	-0.341	-5.683%	0.341	17.136%
10/9/2024	0.000	0.000	4.824		0.294	-0.294	4.824	0.000		0.000	0.000%	4.824	48.240%	-0.294	-4.900%	0.294	14.774%
10/10/2024	0.000	0.000	5.116		0.344	-0.344	5.116	0.000		0.000	0.000%	5.116	51.160%	-0.344	-5.733%	0.344	17.286%
10/11/2024	0.000	0.000	4.832		0.285	-0.285	4.832	0.000		0.000	0.000%	4.832	48.320%	-0.285	-4.750%	0.285	14.322%
10/12/2024	0.000	0.000	4.469		0.367	-0.367	4.469	0.000		0.000	0.000%	4.469	44.690%	-0.367	-6.117%	0.367	18.442%
10/13/2024	0.000	0.000	4.781		0.260	-0.260	4.781	0.000		0.000	0.000%	4.781	47.810%	-0.260	-4.333%	0.260	13.065%
10/14/2024	0.000	0.000	4.955		0.270	-0.270	4.955	0.000		0.000	0.000%	4.955	49.550%	-0.270	-4.500%	0.270	13.568%
10/15/2024	0.000	0.000	4.833		0.219	-0.219	4.833	0.000		0.000	0.000%	4.833	48.330%	-0.219	-3.650%	0.219	11.005%
10/16/2024	0.000	0.000	4.647		0.323	-0.323	4.647	0.000		0.000	0.000%	4.647	46.470%	-0.323	-5.383%	0.323	16.231%
10/17/2024	0.000	0.000	4.793		0.339	-0.339	4.793	0.000		0.000	0.000%	4.793	47.930%	-0.339	-5.650%	0.339	17.035%
10/18/2024	0.000	0.000	4.781		0.286	-0.286	4.781	0.000		0.000	0.000%	4.781	47.810%	-0.286	-4.767%	0.286	14.372%
10/19/2024	0.000	0.000	4.912		0.268	-0.268	4.912	0.000		0.000	0.000%	4.912	49.120%	-0.268	-4.467%	0.268	13.467%
10/20/2024	0.000	0.000	4.804		0.291	-0.291	4.804	0.000		0.000	0.000%	4.804	48.040%	-0.291	-4.850%	0.291	14.623%
10/21/2024	0.000	0.000	4.713		0.326	-0.326	4.713	0.000		0.000	0.000%	4.713	47.130%	-0.326	-5.433%	0.326	16.382%
10/22/2024	0.000	0.000	4.639		0.271	-0.271	4.639	0.000		0.000	0.000%	4.639	46.390%	-0.271	-4.517%	0.271	13.618%
10/23/2024	0.000	0.000	4.615		0.336	-0.336	4.615	0.000		0.000	0.000%	4.615	46.150%	-0.336	-5.600%	0.336	16.884%
10/24/2024	0.000	0.000	4.603		0.337	-0.337	4.603	0.000		0.000	0.000%	4.603	46.030%	-0.337	-5.617%	0.337	16.935%
10/25/2024	0.000	0.000	4.639		0.273	-0.273	4.639	0.000		0.000	0.000%	4.639	46.390%	-0.273	-4.550%	0.273	13.719%
10/26/2024	0.000	0.000	4.609		0.328	-0.328	4.609	0.000		0.000	0.000%	4.609	46.090%	-0.328	-5.467%	0.328	16.482%
10/27/2024	0.000	0.000	4.703		0.264	-0.264	4.703	0.000		0.000	0.000%	4.703	47.030%	-0.264	-4.400%	0.264	13.266%
10/28/2024	0.000	0.000	4.641		0.308	-0.308	4.641	0.000		0.000	0.000%	4.641	46.410%	-0.308	-5.133%	0.308	15.477%
10/29/2024	0.000	0.000	4.560		0.326	-0.326	4.560	0.000		0.000	0.000%	4.560	45.600%	-0.326	-5.433%	0.326	16.382%
10/30/2024	0.000	0.000	4.716		0.339	-0.339	4.716	0.000		0.000	0.000%	4.716	47.160%	-0.339	-5.650%	0.339	17.035%
10/31/2024	0.000	0.000	4.603		0.279	-0.279	4.603	0.000		0.000	0.000%	4.603	46.030%	-0.279	-4.650%	0.279	14.020%
11/1/2024	0.000	0.000	4.472		0.334	-0.334	4.472	0.000		0.000	0.000%	4.472	44.720%	-0.334	-5.567%	0.334	16.784%
11/2/2024	0.000	0.000	4.496		0.273	-0.273	4.496	0.000		0.000	0.000%	4.496	44.960%	-0.273	-4.550%	0.273	13.719%
11/3/2024	0.000	0.000	4.535		0.266	-0.266	4.535	0.000		0.000	0.000%	4.535	45.350%	-0.266	-4.433%	0.266	13.367%
11/4/2024	0.000	0.000	4.602		0.314	-0.314	4.602	0.000		0.000	0.000%	4.602	46.020%	-0.314	-5.233%	0.314	15.779%
11/5/2024	0.000	0.000	4.579		0.314	-0.314	4.579	0.000		0.000	0.000%	4.579	45.790%	-0.314	-5.233%	0.314	15.779%
11/6/2024	0.000	0.000	4.657		0.323	-0.323	4.657	0.000		0.000	0.000%	4.657	46.570%	-0.323	-5.383%	0.323	16.231%
11/7/2024	0.000	0.000	4.727		0.284	-0.284	4.727	0.000		0.000	0.000%	4.727	47.270%	-0.284	-4.733%	0.284	14.271%
11/8/2024	0.000	0.000	4.719		0.280	-0.280	4.719	0.000		0.000	0.000%	4.719	47.190%	-0.280	-4.667%	0.280	14.070%
11/9/2024	0.000	0.000	4.694		0.257	-0.257	4.694	0.000		0.000	0.000%	4.694	46.940%	-0.257	-4.283%	0.257	12.915%
11/10/2024	0.000	0.000	4.490		0.255	-0.255	4.490	0.000		0.000	0.000%	4.490	44.900%	-0.255	-4.250%	0.255	12.814%
11/11/2024	0.000	0.000	4.637		0.266	-0.266	4.637	0.000		0.000	0.000%	4.637	46.370%	-0.266	-4.433%	0.266	13.367%
11/12/2024	0.000	0.000	4.652		0.396	-0.396	4.652	0.000		0.000	0.000%	4.652	46.520%	-0.396	-6.600%	0.396	19.899%
11/13/2024	0.000	0.000	4.730		0.514	-0.514	4.730	0.000		0.000	0.000%	4.730	47.300%	-0.514	-8.567%	0.514	25.829%
11/14/2024	0.000	0.000	4.504		0.252	-0.252	4.504	0.000		0.000	0.000%	4.504	45.040%	-0.252	-4.200%	0.252	12.663%
11/15/2024	0.000	0.000	4.549		0.254	-0.254	4.549	0.000		0.000	0.000%	4.549	45.490%	-0.254	-4.233%	0.254	12.764%
11/16/2024	0.000	0.000	4.630		0.259	-0.259	4.630	0.000		0.000	0.000%	4.630	46.300%	-0.259	-4.317%	0.259	13.015%
11/17/2024	0.000	0.000	4.600		0.261	-0.261	4.600	0.000		0.000	0.000%	4.600	46.000%	-0.261	-4.350%	0.261	13.116%
11/18/2024	0.000	0.000	4.707		0.315	-0.315	4.707	0.000		0.000	0.000%	4.707	47.070%	-0.315	-5.250%	0.315	15.829%
11/19/2024	0.000	0.000	4.662		0.286	-0.286	4.662	0.000		0.000	0.000%	4.662	46.620%	-0.286	-4.767%	0.286	14.372%
11/20/2024	0.000	0.000	4.629		0.302	-0.302	4.629	0.000		0.000	0.000%	4.629	46.290%	-0.302	-5.033%	0.302	15.176%
11/21/2024	0.000	0.000	4.593		0.266	-0.266	4.593	0.000		0.000	0.000%	4.593	45.930%	-0.266	-4.433%	0.266	13.367%
11/22/2024	0.000	0.000	4.605		0.244	-0.244	4.605	0.000		0.000	0.000%	4.605	46.050%	-0.244	-4.067%	0.244	12.261%
11/23/2024	0.000	0.000	4.855		0.266	-0.266	4.855	0.000		0.000	0.000%	4.855	48.550%	-0.266	-4.433%	0.266	13.367%

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba	Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer
	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	Charlotte Water Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT ¹	Total Yadkin IBT	Total Catawba IBT								
DATE	0.000	0.000	4.660		0.318	-0.318	4.660	0.000	0.000	0.000%	4.660	46.600%	-0.318	-5.300%	0.318	15.980%
11/24/2024	0.000	0.000	4.678		0.305	-0.305	4.678	0.000	0.000	0.000%	4.678	46.780%	-0.305	-5.083%	0.305	15.327%
11/25/2024	0.000	0.000	4.589		0.293	-0.293	4.589	0.000	0.000	0.000%	4.589	45.890%	-0.293	-4.883%	0.293	14.724%
11/26/2024	0.000	0.000	4.645		0.482	-0.482	4.645	0.000	0.000	0.000%	4.645	46.450%	-0.482	-8.033%	0.482	24.221%
11/27/2024	0.000	0.000	4.645		0.267	-0.267	4.645	0.000	0.000	0.000%	4.645	46.450%	-0.267	-4.450%	0.267	13.417%
11/28/2024	0.000	0.000	4.563		0.260	-0.260	4.563	0.000	0.000	0.000%	4.563	45.630%	-0.260	-4.333%	0.260	13.065%
11/29/2024	0.000	0.000	4.795		0.263	-0.263	4.795	0.000	0.000	0.000%	4.795	47.950%	-0.263	-4.383%	0.263	13.216%
11/30/2024	0.000	0.000	4.506		0.270	-0.270	4.506	0.000	0.000	0.000%	4.506	45.060%	-0.270	-4.500%	0.270	13.568%
12/1/2024	0.000	0.000	4.756		0.271	-0.271	4.756	0.000	0.000	0.000%	4.756	47.560%	-0.271	-4.517%	0.271	13.618%
12/2/2024	0.000	0.000	4.640		0.261	-0.261	4.640	0.000	0.000	0.000%	4.640	46.400%	-0.261	-4.350%	0.261	13.116%
12/3/2024	0.000	0.000	4.550		0.287	-0.287	4.550	0.000	0.000	0.000%	4.550	45.500%	-0.287	-4.783%	0.287	14.422%
12/4/2024	0.000	0.000	4.628		0.273	-0.273	4.628	0.000	0.000	0.000%	4.628	46.280%	-0.273	-4.550%	0.273	13.719%
12/5/2024	0.000	0.000	4.489		0.267	-0.267	4.489	0.000	0.000	0.000%	4.489	44.890%	-0.267	-4.450%	0.267	13.417%
12/6/2024	0.000	0.000	4.414		0.270	-0.270	4.414	0.000	0.000	0.000%	4.414	44.140%	-0.270	-4.500%	0.270	13.568%
12/7/2024	0.000	0.000	4.588		0.280	-0.280	4.588	0.000	0.000	0.000%	4.588	45.880%	-0.280	-4.667%	0.280	14.070%
12/8/2024	0.000	0.000	4.603		0.267	-0.267	4.603	0.000	0.000	0.000%	4.603	46.030%	-0.267	-4.450%	0.267	13.417%
12/9/2024	0.000	0.000	4.616		0.282	-0.282	4.616	0.000	0.000	0.000%	4.616	46.160%	-0.282	-4.700%	0.282	14.171%
12/10/2024	0.000	0.000	4.665		0.302	-0.302	4.665	0.000	0.000	0.000%	4.665	46.650%	-0.302	-5.033%	0.302	15.176%
12/11/2024	0.000	0.000	4.511		0.275	-0.275	4.511	0.000	0.000	0.000%	4.511	45.110%	-0.275	-4.583%	0.275	13.819%
12/12/2024	0.000	0.000	4.574		0.257	-0.257	4.574	0.000	0.000	0.000%	4.574	45.740%	-0.257	-4.283%	0.257	12.915%
12/13/2024	0.000	0.000	4.468		0.265	-0.265	4.468	0.000	0.000	0.000%	4.468	44.680%	-0.265	-4.417%	0.265	13.317%
12/14/2024	0.000	0.000	4.354		0.261	-0.261	4.354	0.000	0.000	0.000%	4.354	43.540%	-0.261	-4.350%	0.261	13.116%
12/15/2024	0.000	0.000	4.614		0.271	-0.271	4.614	0.000	0.000	0.000%	4.614	46.140%	-0.271	-4.517%	0.271	13.618%
12/16/2024	0.000	0.000	4.533		0.269	-0.269	4.533	0.000	0.000	0.000%	4.533	45.330%	-0.269	-4.483%	0.269	13.518%
12/17/2024	0.000	0.000	4.501		0.402	-0.402	4.501	0.000	0.000	0.000%	4.501	45.010%	-0.402	-6.700%	0.402	20.201%
12/18/2024	0.000	0.000	4.564		0.253	-0.253	4.564	0.000	0.000	0.000%	4.564	45.640%	-0.253	-4.217%	0.253	12.714%
12/19/2024	0.000	0.000	4.651		0.259	-0.259	4.651	0.000	0.000	0.000%	4.651	46.510%	-0.259	-4.317%	0.259	13.015%
12/20/2024	0.000	0.000	4.513		0.265	-0.265	4.513	0.000	0.000	0.000%	4.513	45.130%	-0.265	-4.417%	0.265	13.317%
12/21/2024	0.000	0.000	4.363		0.208	-0.208	4.363	0.000	0.000	0.000%	4.363	43.630%	-0.208	-3.467%	0.208	10.452%
12/22/2024	0.000	0.000	4.753		0.267	-0.267	4.753	0.000	0.000	0.000%	4.753	47.530%	-0.267	-4.450%	0.267	13.417%
12/23/2024	0.000	0.000	4.650		0.262	-0.262	4.650	0.000	0.000	0.000%	4.650	46.500%	-0.262	-4.367%	0.262	13.166%
12/24/2024	0.000	0.000	4.528		0.249	-0.249	4.528	0.000	0.000	0.000%	4.528	45.280%	-0.249	-4.150%	0.249	12.513%
12/25/2024	0.000	0.000	4.501		0.295	-0.295	4.501	0.000	0.000	0.000%	4.501	45.010%	-0.295	-4.917%	0.295	14.824%
12/26/2024	0.000	0.000	4.593		0.464	-0.464	4.593	0.000	0.000	0.000%	4.593	45.930%	-0.464	-7.733%	0.464	23.317%
12/27/2024	0.000	0.000	4.531		0.271	-0.271	4.531	0.000	0.000	0.000%	4.531	45.310%	-0.271	-4.517%	0.271	13.618%
12/28/2024	0.000	0.000	4.561		0.230	-0.230	4.561	0.000	0.000	0.000%	4.561	45.610%	-0.230	-3.833%	0.230	11.558%
12/29/2024	0.000	0.000	4.661		0.327	-0.327	4.661	0.000	0.000	0.000%	4.661	46.610%	-0.327	-5.450%	0.327	16.432%
12/30/2024	0.000	0.000	4.689		0.557	-0.557	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.557	-9.283%	0.557	27.990%
12/31/2024	0.000	0.000							0.000	0.003%	4.664	46.643%	-0.306	-5.095%	0.306	15.374%
AVG 2024	0.000	0.000	4.664	0.092	0.306	0.208	4.664	0.000	0.092	0.920%	5.359	53.590%	-0.206	-3.433%	0.764	38.392%
MAX 2024	0.000	0.000	5.359	0.092	0.764	0.449	5.359	0.092								

¹ Transfers from Second Creek to Kannapolis Lake (South Yadkin Basin to Rocky River Basin) shall not exceed 6 MGD; positive numbers represent this direction of transfer as dominate
Transfers from Kannapolis (via purchase from Salisbury) to Landis (Yadkin Basin to South Yadkin Basin) shall not exceed 2 MGD; negative numbers represent this direction of transfer as the dominate