

Coosa-North Georgia Supplemental Document: Comparison of Water and Wastewater Forecasts to Existing Permits and Planned Projects

Introduction

The purpose of this document is to calculate shortages or surpluses in facilities to meet public supplied municipal and industrial water and wastewater forecasts. It contains tables and graphs summarizing the existing municipal and industrial permit limits and 2050 water and wastewater forecasts by county, as well as the resulting shortages or surpluses in municipal and industrial permitting. It also includes a listing of potential projects that are identified as “planned” projects that could be used to meet some of the 2050 forecasted water/wastewater needs.

The 2050 forecasted water demand is composed of the portion of annual average demand supplied with surface and ground water in the municipal, industrial, and agricultural categories. It does not include self-supplied municipal demand since these are not accounted for with permits. For additional information on forecasted water demands, see the “Coosa-North Georgia Supplemental Document: Municipal and Industrial Water and Wastewater Forecast”.

The 2050 forecasted wastewater flow is composed of the portion of annual average flow that goes to municipal centralized systems with permits for point source discharges (NPDES) and land application systems (LAS) and industrial facilities. It does not include septic systems, since these are not accounted for with permits. For additional information on forecasted wastewater flows, see the “Coosa-North Georgia Supplemental Document: Municipal and Industrial Water and Wastewater Forecast”.

The permitted water withdrawals are composed of the current monthly average permitted limits for both surface water and ground water for municipal, industrial, and agricultural categories. In addition, it includes current water “purchases” from other counties. Municipal and industrial permit limits come from the GAEPD permit database. Because the purpose of this document is to evaluate shortages or surpluses in municipal and industrial permitting only, the agricultural permits were artificially set to be the same as the 2050 agricultural water demand forecast. This method is preferable to leaving agricultural demand out of the forecast, especially when looking at counties with significant agricultural water demands. For additional information on agricultural forecast and permit capacities, see the “Coosa-North Georgia Supplemental Document: Agricultural Water Forecast”.

The permitted wastewater treatment limit is comprised of the current maximum monthly average permit limits for centralized systems including point source discharges (NPDES) and land application systems (LAS) from municipal and industrial sources. It does not include septic systems. Permit limits come from the GAEPD permit database.

Region Summary

EXHIBIT 1

COOSA-NORTH GEORGIA COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW SUMMARY

COUNTY	WATER (MGD)			WASTEWATER (MGD)		
	PERMITTED WITHDRAWAL LIMIT ^{a,b,c}	2050 FORECASTED DEMAND ^a	SHORTAGE(-) SURPLUS(+) ^d	PERMITTED TREATMENT LIMIT ^e	2050 FORECASTED FLOW ^e	SHORTAGE(-) SURPLUS(+) ^d
Catoosa	11.33	17.52	-6.19	0.10	1.19	-1.09
Chattooga	15.00	23.94	-8.94	14.77	18.25	-3.48
Dade	4.37	3.20	+1.17	1.02	0.63	+0.39
Dawson	4.38	11.63	-7.25	1.21	8.61	-7.40
Fannin	2.44	3.53	-1.09	1.12	1.46	-0.34
Floyd	64.01	63.99	+0.02	43.22	49.50	-6.28
Gilmer	12.85	15.63	-2.78	4.00	11.07	-7.07
Gordon	34.27	26.25	+8.02	17.92	11.60	+6.32
Habersham	10.86	11.94	-1.08	5.08	3.73	+1.35
Lumpkin	7.44	7.86	-0.42	1.58	3.62	-2.04
Murray	10.20	14.92	-4.72	3.05	2.96	+0.09
Pickens	9.12	10.86	-1.74	1.68	4.70	-3.02
Polk	16.97	12.75	+4.22	6.74	7.22	-0.48
Towns	2.33	2.72	-0.39	0.54	0.76	-0.22
Union	4.32	8.61	-4.29	0.47	2.46	-1.99
Walker	23.07	13.93	+9.14	8.87	5.03	+3.84
White	3.47	5.26	-1.79	1.38	1.55	-0.17
Whitfield	57.63	81.10	-23.47	40.50	47.87	-7.37
Grand Total	294.06	335.64	-41.58	153.25	182.21	-28.96

^a- Includes surface and ground water from municipal and industrial sources, does not include self-supply water.

^b- Includes purchases from outside the county, quantity and outside source detailed in each County's section of this document (when applicable).

^c- Includes an artificial agricultural quantity that is in place to cancel out the agricultural demand included in the forecast. Quantity detailed in each County's Section of this document (when applicable). See Introduction paragraph for more information on the agricultural forecast and artificial permit.

^d- Indicative of the shortage/surplus of municipal and industrial sources only.

^e- Includes land application systems (LAS) and point source discharges (NPDES) from municipal and industrial sources, does not include septic.

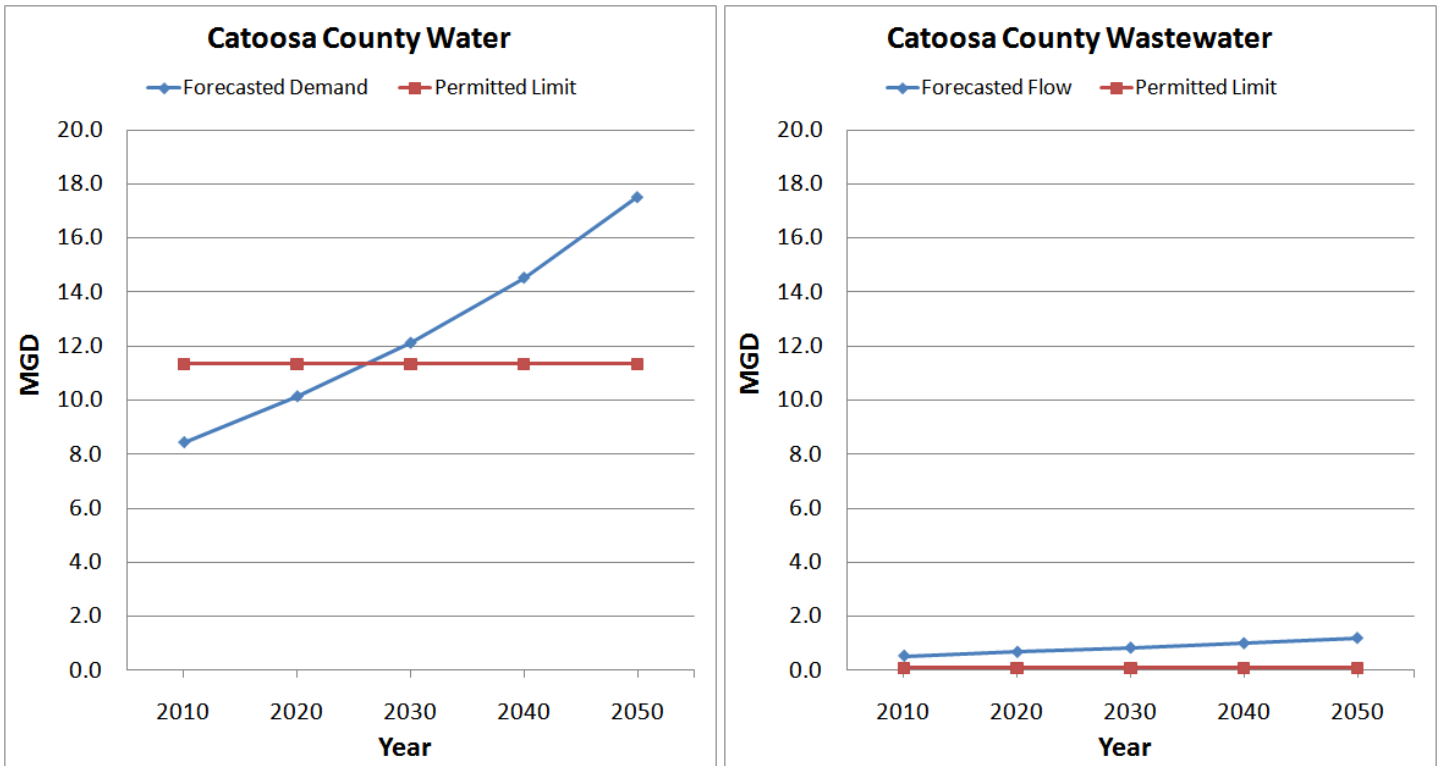
Catoosa County

Gap Summary

EXHIBIT 2:
CATOOSA COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	11.23	17.42	-6.19
Ground Water	0.10	0.10	0.00
Total	11.33	17.52	-6.19
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	0.10	1.19	-1.09
LAS	0.00	0.00	0.00
Total	0.10	1.19	-1.09

EXHIBIT 3:
CATOOSA COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 4:
CATOOSA COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Ringgold, City Of	1.00	Municipal	023-1506-01
Catoosa Utility District	7.00	Municipal	023-1506-02
Purchase from Tennessee	1.80	Municipal	N/A
Agricultural (Crop irrigation, livestock, golf, nursery)	1.43	Agricultural	N/A
Surface Water Total	11.23		
Ground Water Permits			
Agricultural (Crop irrigation, livestock, golf, nursery)	0.10	Agricultural	N/A
Ground Water Total	0.10		
Existing Permitted Limit Total	11.33		

Wastewater

EXHIBIT 5:
CATOOSA COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Airgas South Inc.	NA	Industrial	GA0031135
SRM Aggregates - Ringgold Quarry	NA	Industrial	GA0046248
Fort Oglethorpe - Mitchell Acres	0.04	Municipal	GA0035301
Catoosa County - Morris Estate WPCP	0.03	Municipal	GA0050130
Knight's Inn (Catoosa)	0.02	Municipal	GA0022411
Cochran's Unocal Truck Stop	0.01	Municipal	GA0021954
NPDES Total	0.10		
Existing Permitted Limit Total	0.10		

Planned Projects

No planned projects reported to date.

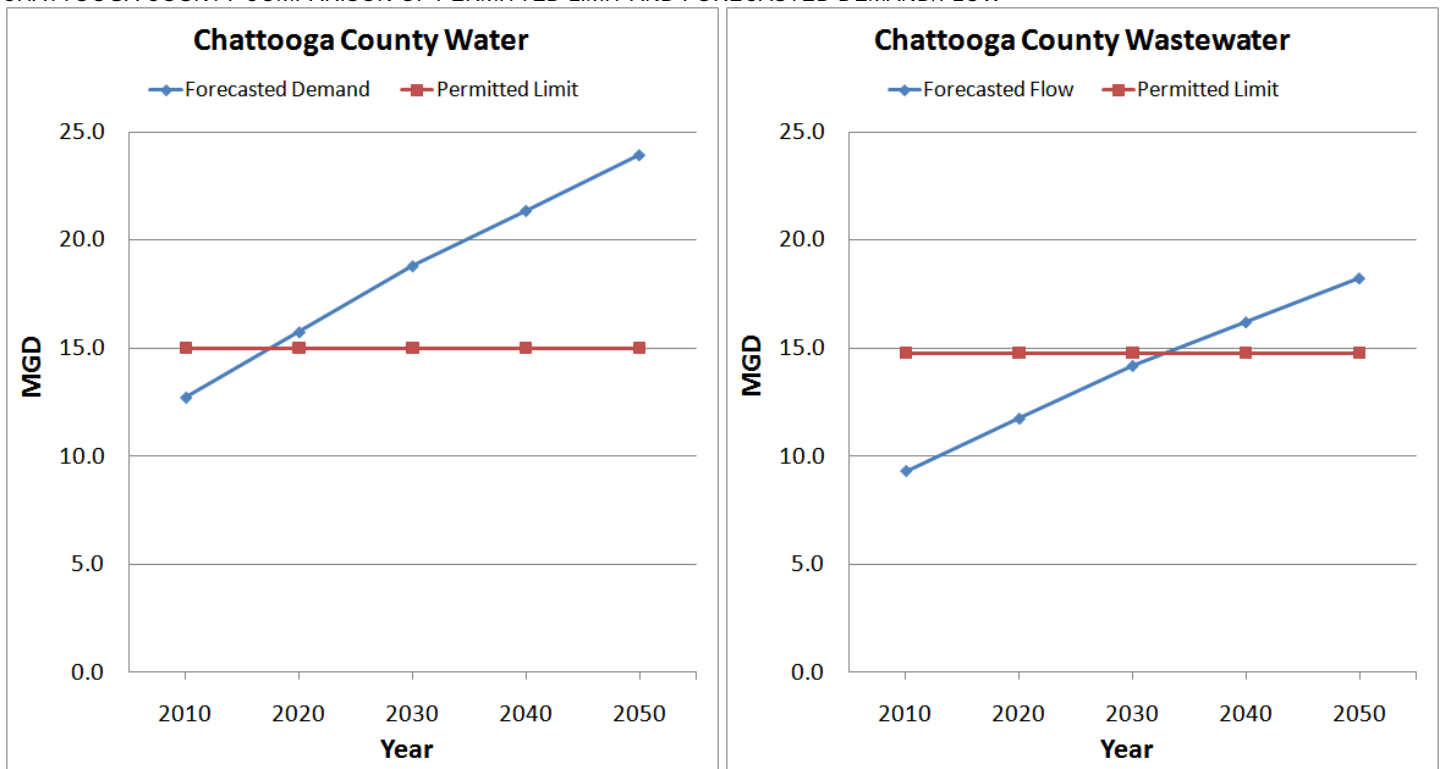
Chattooga County

Gap Summary

EXHIBIT 6:
CHATTOOGA COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	14.02	22.78	-8.76
Ground Water	0.98	1.16	-0.18
Total	15.00	23.94	-8.94
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	14.72	18.24	-3.52
LAS	0.05	0.01	+0.04
Total	14.77	18.25	-3.48

EXHIBIT 7:
CHATTOOGA COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 8:
CHATTOOGA COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Mount Vernon Mills Riegel Apparel Div	6.60	Industrial	027-1401-03
Mohawk Industries, Inc	4.00	Industrial	027-1402-05
Summerville, City Of	2.50	Municipal	027-1402-02
Summerville, City Of	0.70	Municipal	027-1402-04
Agricultural (Crop irrigation, livestock, golf, nursery)	0.22	Agricultural	N/A
Surface Water Total	14.02		
Ground Water Permits			
Chattooga County Water District #1	0.70	Municipal	027-0001
Lyerly, Town of	0.28	Municipal	027-0002
Ground Water Total	0.98		
Existing Permitted Limit Total	15.00		

Wastewater

EXHIBIT 9:
CHATTOOGA COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Mount Vernon Mills Inc. - Chattooga	3.80	Industrial	GA0001422
Mohawk Carpets	3.80	Industrial	GA0024104
Silverleaf Farm	0.02	Industrial	GA0034631
Trion WPCP	5.00	Municipal	GA0025607
Summerville WPCP	2.00	Municipal	GA0025704
Menlo WPCP	0.10	Municipal	GA0047023
NPDES Total	14.72		
LAS Land Application Permits			
City of Lyerly	0.05	Municipal	GA02-277
LAS Total	0.05		
Existing Permitted Limit Total	14.77		

Planned Projects

Water

EXHIBIT 10:
CHATTOOGA COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Surface Water			
City of Summerville; Mun; Raccoon Creek	1.00	Assuming Modification	This has a description similar to permit No. 027-1402-02, so currently assuming a modification to the existing permit.
City of Summerville; Mun; Chattooga river	0.50	New	
Surface Water Total	1.50		
Total New/Additional Limit	1.50		

Wastewater

EXHIBIT 11:
CHATTOOGA COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Trion WWTF	unknown	unknown	This may be modification to the Trion WPCP listed in the permits, but were unable to confirm or obtain information on the possible modification
NPDES Total	-		
Total New/Additional Limit	-		

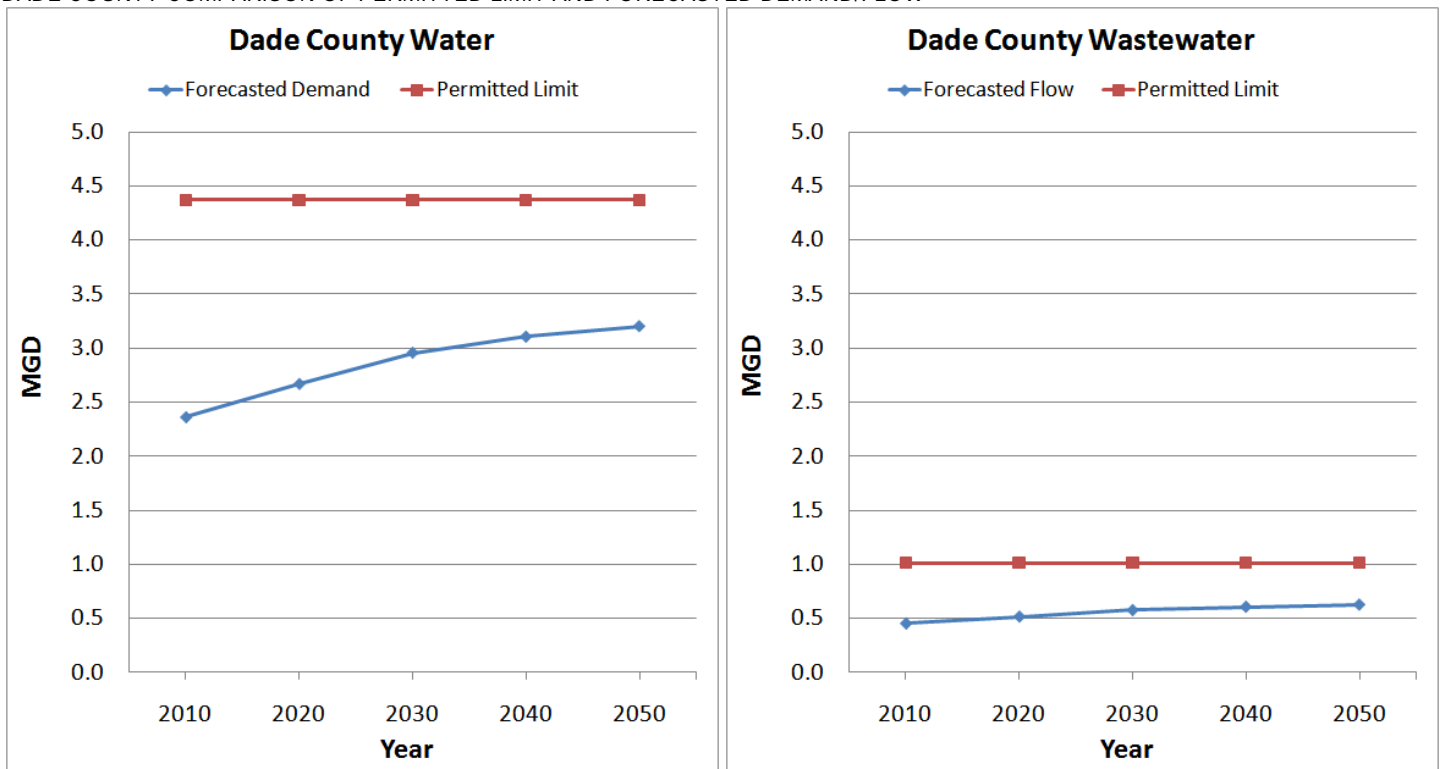
Dade County

Gap Summary

EXHIBIT 12:
DADE COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	3.94	3.20	+0.74
Ground Water	0.43	0.00	+0.43
Total	4.37	3.20	+1.17
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	1.02	0.63	+0.39
LAS	0.00	0.00	0.00
Total	1.02	0.63	+0.39

EXHIBIT 13:
DADE COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 14:
DADE COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Dade Co. Water & Sewer Authority	3.80	Municipal	041-1508-02
Agricultural (Crop irrigation, livestock, golf, nursery)	0.14	Agricultural	N/A
Surface Water Total	3.94		
Ground Water Permits			
Dade County Water & Sewer Authority	0.43	Municipal	041-0001
Ground Water Total	0.43		
Existing Permitted Limit Total	4.37		

Wastewater

EXHIBIT 15:
DADE COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Sav-A-Ton	0.004	Industrial	GA0023906
Trenton WPCP	1.00	Municipal	GA0026221
Wildwood Lifestyle Center	0.01	Municipal	GA0022764
Dade Health and Rehab	0.001	Municipal	GA0031453
NPDES Total	1.02		
Existing Permitted Limit Total	1.02		

Planned Projects

No planned projects reported to date.

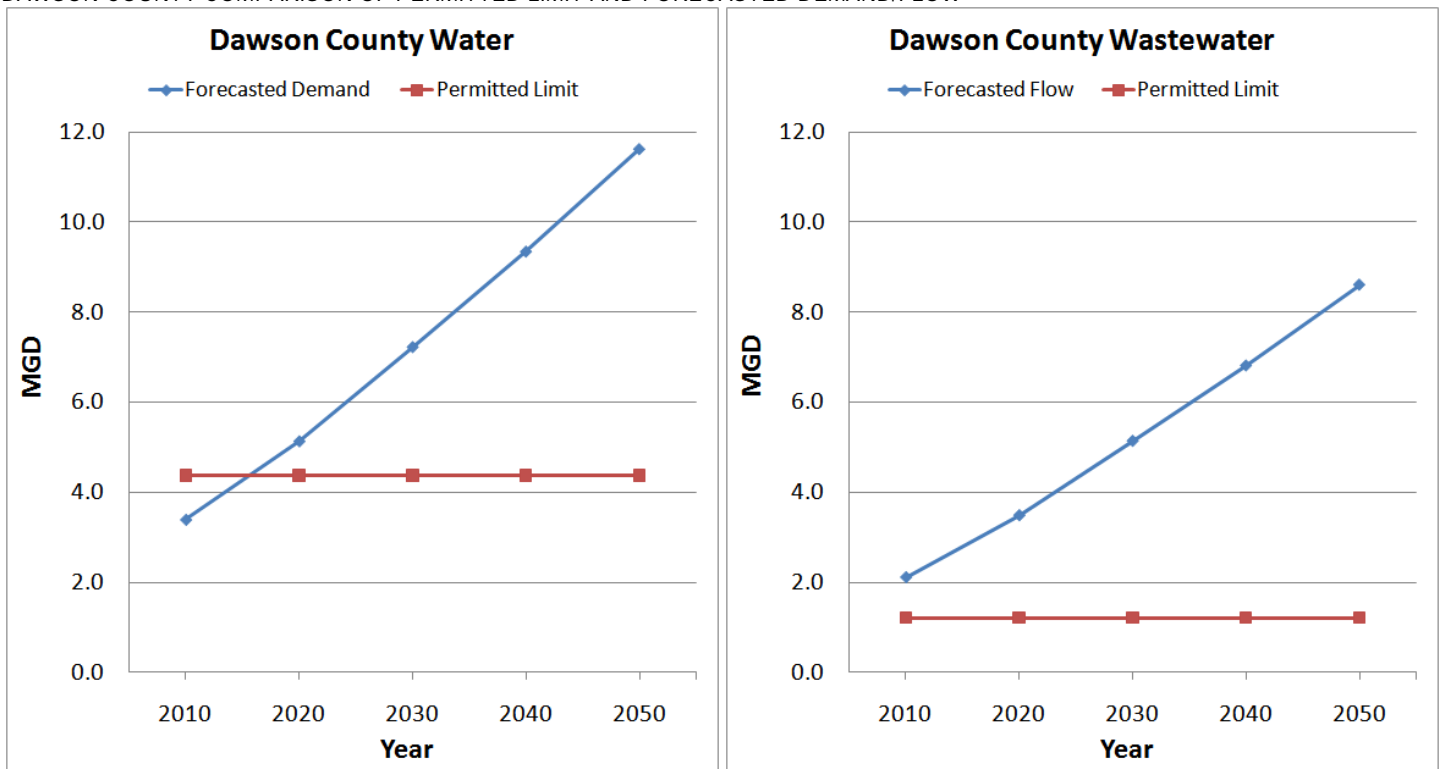
Dawson County

Gap Summary

EXHIBIT 16:
DAWSON COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	4.38	11.63	-7.25
Ground Water	0.00	0.00	0.00
Total	4.38	11.63	-7.25
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	0.00	8.61	-8.61
LAS	1.21	0.00	+1.21
Total	1.21	8.61	-7.40

EXHIBIT 17:
DAWSON COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 18:
DAWSON COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Etowah Water & Sewer Authority	3.00	Municipal	042-1415-01
Purchase from Pickens County	0.24	Municipal	N/A
Purchase from Forsyth County	0.30	Municipal	N/A
Purchase from Cherokee County	0.08	Municipal	N/A
Agricultural (Crop irrigation, livestock, golf, nursery)	0.76	Agricultural	N/A
Surface Water Total	4.38		
Existing Permitted Limit Total	4.38		

Wastewater

EXHIBIT 19:
DAWSON COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
LAS Land Application Permits			
Dawsonville Gold Creek Reuse	0.50	Municipal	GA02-025
DNR- Amicalola Falls State Park	0.01	Municipal	GA02-045
Dawsonville LAS	0.12	Municipal	GA02-179
Etowah Water & Sewer Authority	0.50	Municipal	GA02-232
Chestatee Development	0.08	Municipal	GA02-192
LAS Total	1.21		
Existing Permitted Limit Total	1.21		

Planned Projects

Water

EXHIBIT 20:
DAWSON COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Surface Water			
Etowah Water & Sewer Authority; from Lake Lanier	10.00	Unknown	It is unclear if these are new projects or modifications to existing. Listed the max additional permitted limit, additional clarification needed.
Etowah Water & Sewer Authority; from Etowah river	10.00	Unknown	
Etowah Water and Sewer Authority; Source- Etowah river	13.40	unknown	
Surface Water Total	33.40		
Ground Water			
City of Dawsonville; groundwater-Crystalline Rock Aquifer; 4 proposed wells	0.75	New	
Ground Water Total	0.75		
Total New/Additional Limit	34.15		

Wastewater

EXHIBIT 21:
DAWSON COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Etowah WSA Expansion-Into Etowah River	2.50	Assuming Modification	Assumed that this is a modification to an existing permit based on the name saying "Expansion", but did not find an existing NPDES permit to match it with.
Etowah WSA New Cold Weather Discharge	1.00	New	
Dawson Forest; NPDES, PUB; Waiting on permit issuance	unknown	unknown	
NPDES Total	3.50		
LAS Land Application			
Waterscape Services- Black Mill Creek WRF	0.10	New	This was given permit number GA03-911, but appears that it may not be in service yet, so included here as planned instead of permitted.
LAS Total	0.10		
Total New/Additional Limit	3.60		

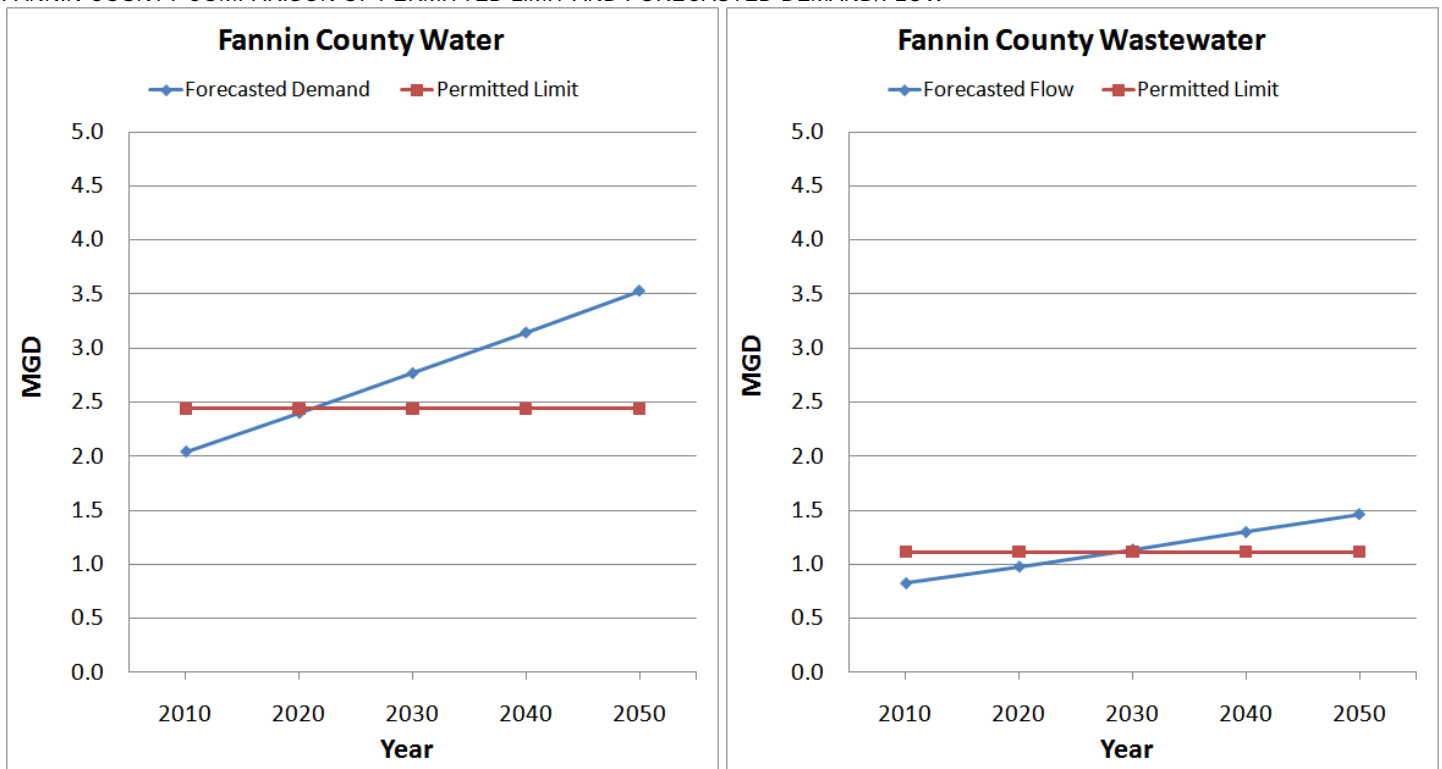
Fannin County

Gap Summary

EXHIBIT 22:
FANNIN COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	2.43	3.52	-1.09
Ground Water	0.01	0.01	0.00
Total	2.44	3.53	-1.09
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	1.02	1.32	-0.30
LAS	0.10	0.14	-0.04
Total	1.12	1.46	-0.34

EXHIBIT 23:
FANNIN COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 24:
FANNIN COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
McCaysville, City Of	1.00	Municipal	055-1505-01
Blue Ridge, City Of	1.30	Municipal	055-1505-02
Agricultural (Crop irrigation, livestock, golf, nursery)	0.13	Agricultural	N/A
Surface Water Total	2.43		
Ground Water Permits			
Agricultural (Crop irrigation, livestock, golf, nursery)	0.01	Agricultural	N/A
Ground Water Total	0.01		
Existing Permitted Limit Total	2.44		

Wastewater

EXHIBIT 25:
FANNIN COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Blue Ridge WPCP	1.00	Municipal	GA0037583
Morganton Baptist Church	0.01	Municipal	GA0046817
Fannin County Head Start and Flag Program	0.01	Municipal	GA0022225
NPDES Total	1.02		
LAS Land Application Permits			
Piedmont Water Company	0.10	Municipal	GA03-657
LAS Total	0.10		
Existing Permitted Limit Total	1.12		

Planned Projects

Water

EXHIBIT 26:
FANNIN COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Surface Water			
City of Blue Ridge; Municipal; Toccoa River	4.20	Assuming Modification	This has a description similar to permit No. 055-1505-02, currently assuming a modification to the existing permit. If it is new, then its 5.500 MGD addition.
Surface Water Total	4.20		
Ground Water			
City of Morgantown; Groundwater; 3 wells in Crystalline Rock Aquifer	0.23	New	
Ground Water Total	0.23		
Total New/Additional Limit	4.43		

Wastewater

EXHIBIT 27:
FANNIN COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Blue Ridge WPCP (into Toccoa River, Dry Creek, Weaver Creek)	unknown	unknown	May be related to permit GA0037583(Blue Ridge WPCP)
NPDES Total	-		
Total New/Additional Limit	-		

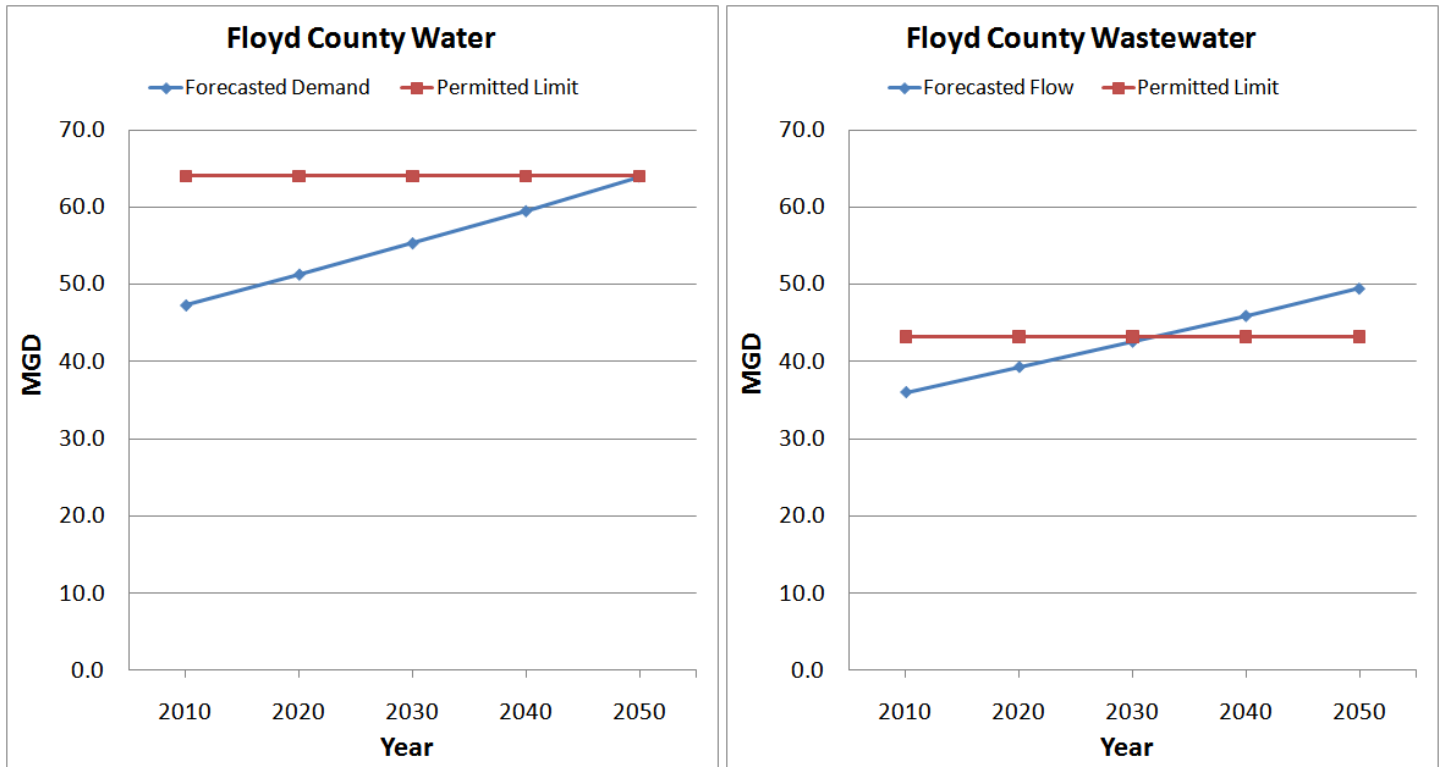
Floyd County

Gap Summary

EXHIBIT 28:
FLOYD COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	62.35	63.55	-1.20
Ground Water	1.66	0.44	+1.22
Total	64.01	63.99	+0.02
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED DEMAND	SURPLUS (+)/ GAP (-)
NPDES	43.22	49.50	-6.28
LAS	0.00	0.00	0.00
Total	43.22	49.50	-6.28

EXHIBIT 29:
FLOYD COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 30:
FLOYD COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Galey & Lord, Inc.- Brighton Plant	0.70	Industrial	057-1414-01
Lindale Manufacturing, Inc	1.87	Industrial	057-1427-01
Inland-Rome Inc.	32.00	Industrial	057-1490-01
Floyd County - Brighton Plant	0.70	Municipal	057-1414-02
Cave Spring, City Of	1.30	Municipal	057-1428-06
Floyd County	3.50	Municipal	057-1428-08
Berry Schools, The	0.70	Municipal	057-1429-01
Rome, City Of (1), (2), (3)	16.40	Municipal	057-1492-01
Purchase from Bartow County	0.65	Municipal	N/A
Agricultural (Crop irrigation, livestock, golf, nursery)	4.53	Agricultural	N/A
Surface Water Total	62.35		
Ground Water Permits			
Crothall Laundry Services	0.30	Industrial	057-0002
Floyd County	1.30	Municipal	057-0001
Agricultural (Crop irrigation, livestock, golf, nursery)	0.06	Agricultural	N/A
Ground Water Total	1.66		
Existing Permitted Limit Total	64.01		

Wastewater

EXHIBIT 31:
FLOYD COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
TIN Inc./DBA Temple-Inland	23.00	Industrial	GA0001104
General Electric Company - Rome	NA	Industrial	GA0024155
Rome WPCP	18.00	Municipal	GA0024112
Rome - Coosa WPCP	2.00	Municipal	GA0024341
Cave Spring WPCP	0.22	Municipal	GA0025721
NPDES Total	43.22		
Existing Permitted Limit Total	43.22		

Planned Projects

No planned projects reported to date.

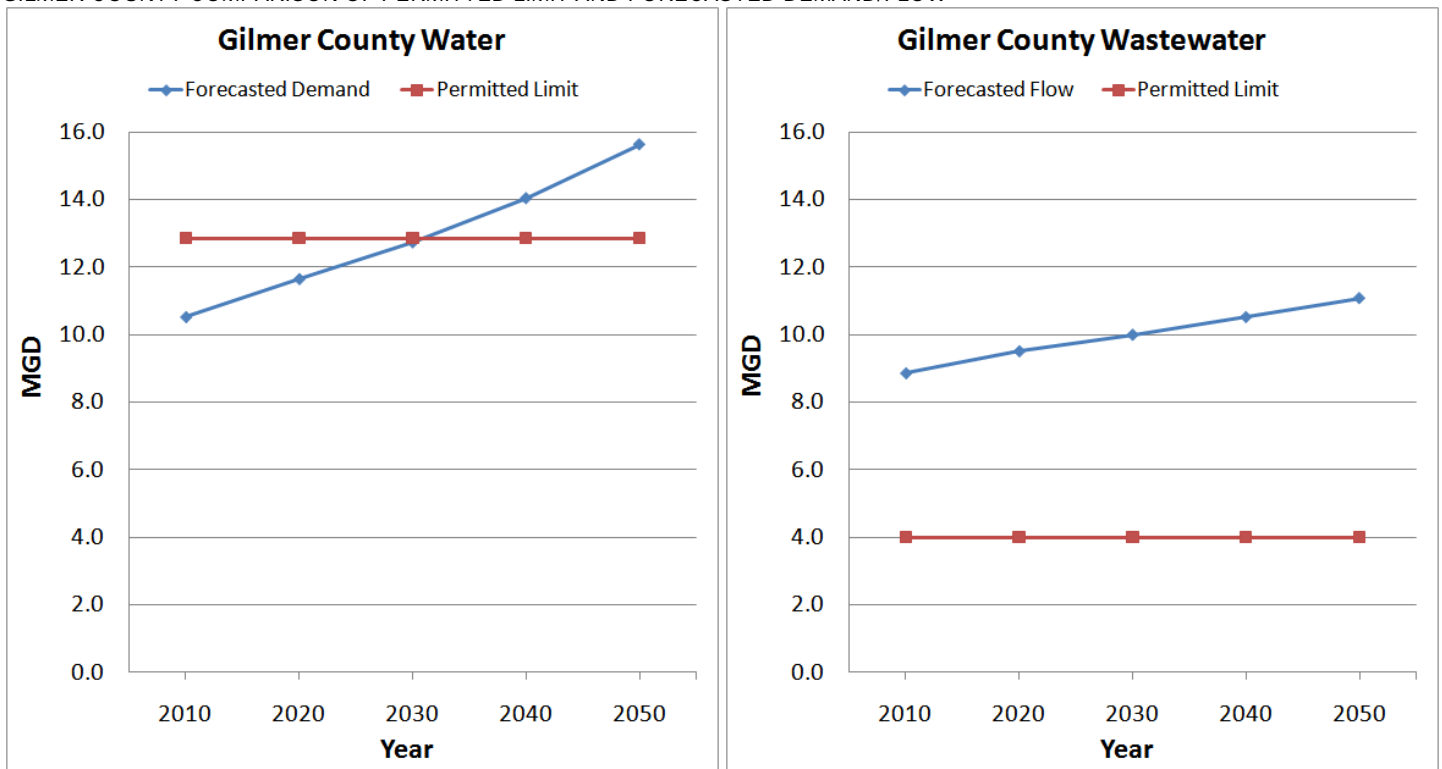
Gilmer County

Gap Summary

EXHIBIT 32:
GILMER COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	5.91	8.88	-2.97
Ground Water	6.94	6.75	+0.19
Total	12.85	15.63	-2.78
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	4.00	11.07	-7.07
LAS	0.00	0.00	0.00
Total	4.00	11.07	-7.07

EXHIBIT 33:
GILMER COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 34:
GILMER COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Ellijay, City Of	0.45	Municipal	061-1407-01
Ellijay-Gilmer Co. Water & Sewer Authority	4.00	Municipal	061-1408-01
Agricultural (Crop irrigation, livestock, golf, nursery)	1.46	Agricultural	N/A
Surface Water Total	5.91		
Ground Water Permits			
O-N Minerals Chemstone Company	1.50	Industrial	061-0001
IMERYS Marble, Inc. - Whitestone Mine	5.44	Industrial	061-0002
Ground Water Total	6.94		
Existing Permitted Limit Total	12.85		

Wastewater

EXHIBIT 35:
GILMER COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Colwell Construction	NA	Industrial	GA0037818
IMERYS Marble, Inc. - Whitestone Plant	NA	Industrial	GA0038474
Global Stone Filler Inc.	NA	Industrial	GA0037834
Gilmer County School	0.004	Municipal	GA0047210
Ellijay WPCP	4.00	Municipal	GA0021369
NPDES Total	4.00		
Existing Permitted Limit Total	4.00		

Planned Projects

Water

EXHIBIT 36:
GILMER COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Surface Water			
Ellijay-Gilmer County W&SA; Source-Ellijay River;	1.05	Assuming Modification	This has a description similar to permit 061-1407-01, currently assuming a modification to the existing permit. If it is new, then its 1.50 MGD addition.
Surface Water Total	1.05		
Total New/Additional Limit	1.05		

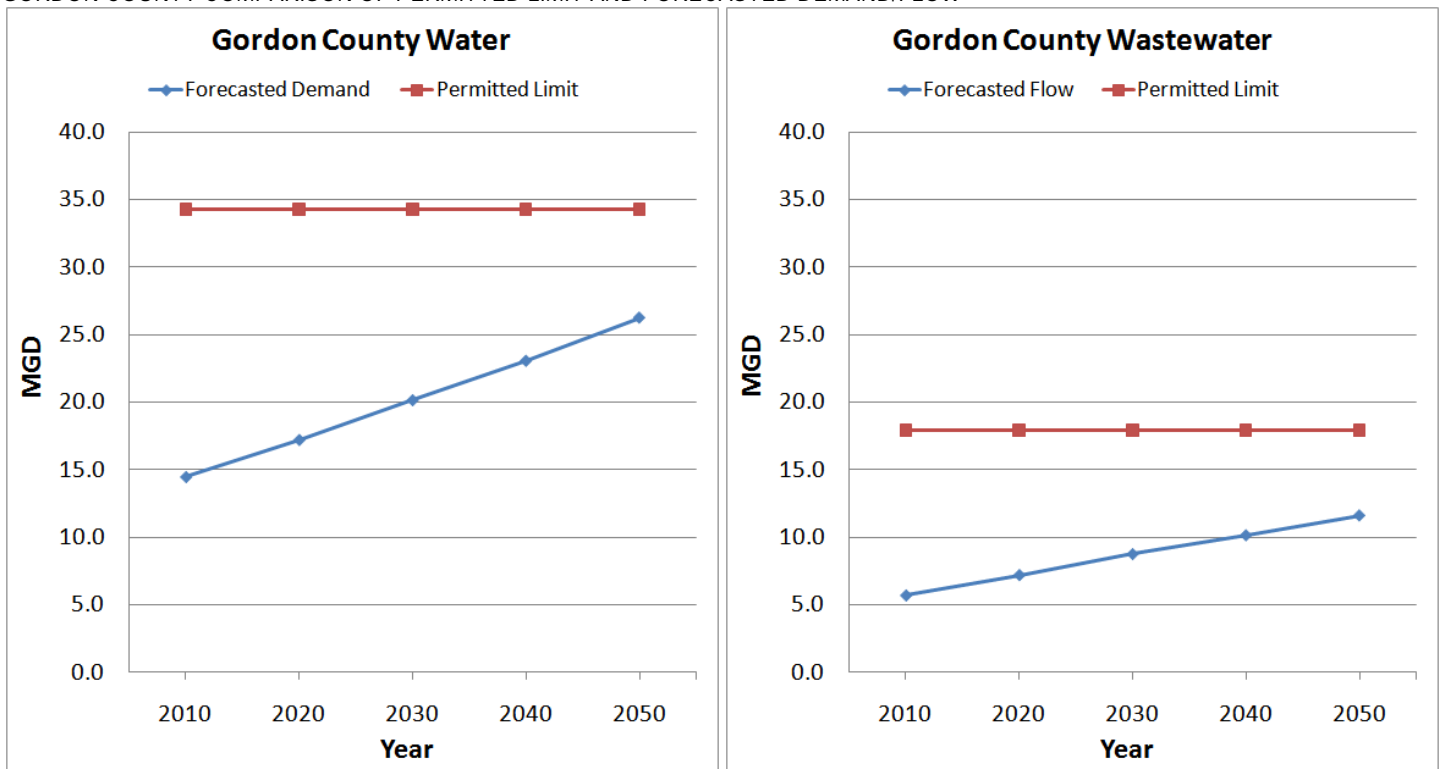
Gordon County

Gap Summary

EXHIBIT 37:
GORDON COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	27.80	22.64	+5.16
Ground Water	6.47	3.61	+2.86
Total	34.27	26.25	+8.02
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	16.38	11.60	+4.78
LAS	1.54	0.00	+1.54
Total	17.92	11.60	+6.32

EXHIBIT 38:
GORDON COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 39:
GORDON COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Calhoun, City Of (Big Springs)	6.00	Municipal	064-1411-03
Calhoun, City Of (Oostanaula River)	3.00	Municipal	064-1492-02
Calhoun, City Of (Coosawattee River)	16.00	Municipal	064-1493-01
Agricultural (Crop irrigation, livestock, golf, nursery)	2.80	Agricultural	N/A
Surface Water Total	27.80		
Ground Water Permits			
Product Concepts Residential, LLC	0.66	Industrial	064-0004
Calhoun, City of (wells)	5.80	Municipal	064-0002
Agricultural (Crop irrigation, livestock, golf, nursery)	0.007	Agricultural	N/A
Ground Water Total	6.47		
Existing Permitted Limit Total	34.27		

Wastewater

EXHIBIT 40:
GORDON COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Omnova Solutions Inc. (Aka Gencorp, Inc)	0.15	Industrial	GA0000329
Cumberland academy	0.02	Municipal	GA0035947
Calhoun WPCP	16.00	Municipal	GA0030333
WL Swain Elementary School	0.01	Municipal	GA0032221
Fairmount WPCP	0.20	Municipal	GA0046388
NPDES Total	16.38		
LAS Land Application Permits			
Terra Renewal Services, Inc	1.50	Industrial	GA01-445
Lacey Champion Carpets Inc.	0.03	Industrial	GA01-521
Max V. Tolbert Elementary School	0.01	Municipal	GA02-218
LAS Total	1.54		
Existing Permitted Limit Total	17.92		

Planned Projects

No planned projects reported to date.

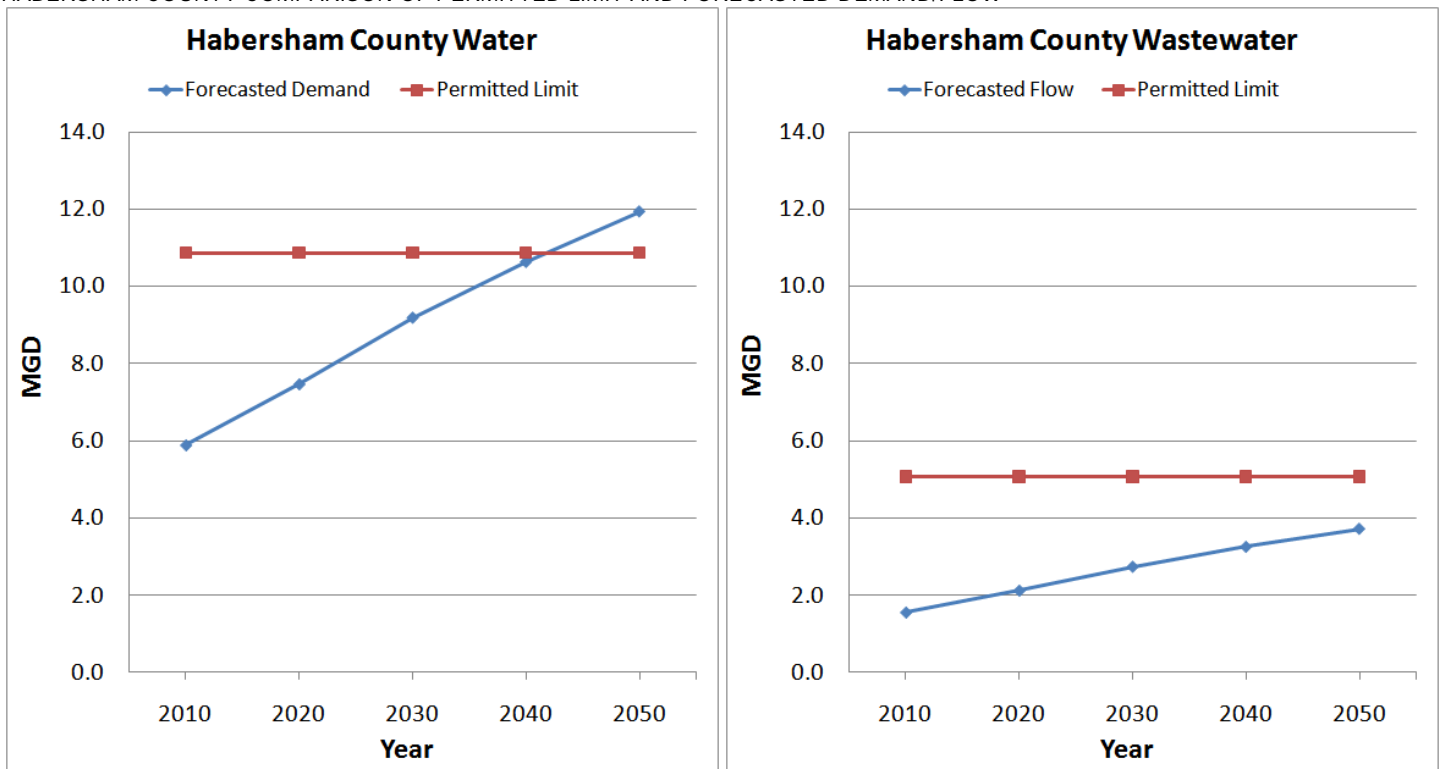
Habersham County

Gap Summary

EXHIBIT 41:
HABERSHAM COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	9.60	10.82	-1.22
Ground Water	1.26	1.12	+0.14
Total	10.86	11.94	-1.08
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	4.98	3.73	+1.25
LAS	0.10	0.00	+0.10
Total	5.08	3.73	+1.35

EXHIBIT 42:
HABERSHAM COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 43:
HABERSHAM COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Cornelia, City Of	4.00	Municipal	068-1201-01
Clarkesville, City Of	1.00	Municipal	068-1201-03
Baldwin, City Of	3.00	Municipal	068-1201-04
Agricultural (Crop irrigation, livestock, golf, nursery)	1.60	Agricultural	N/A
Surface Water Total	9.60		
Ground Water Permits			
Alto, Town of	0.90	Municipal	068-0001
Demorest, City of	0.34	Municipal	068-0004
Agricultural (Crop irrigation, livestock, golf, nursery)	0.02	Agricultural	N/A
Ground Water Total	1.26		
Existing Permitted Limit Total	10.86		

Wastewater

EXHIBIT 44:
HABERSHAM COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Scovill Fasteners Inc.	NA	Industrial	GA0001112
Hanson Aggregates SE	NA	Industrial	GA0046086
Habersham High School	0.02	Municipal	GA0033952
Tallulah Falls School	0.005	Municipal	GA0035441
Cornelia WPCP	3.00	Municipal	GA0021504
Demorest WPCP	0.40	Municipal	GA0032506
Clarkesville WPCP	0.75	Municipal	GA0032514
Baldwin WPCP	0.80	Municipal	GA0033243
NPDES Total	4.98		
LAS Land Application Permits			
Apple Mountain Resort LAS	0.10	Municipal	GA03-887
LAS Total	0.10		
Existing Permitted Limit Total	5.08		

Planned Projects

Water

EXHIBIT 45:

HABERSHAM COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Ground Water			
Town of Mount Airy; Groundwater-Crystalline Rock Aquifer; 5 proposed wells	0.15	New	
Ground Water Total	0.15		
Total New/Additional Limit	0.15		

Wastewater

EXHIBIT 46:

HABERSHAM COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Demorest WPCP- Into Hazel Creek, 1st expansion	0.40	Assuming Modification	These expansions were given permit numbers GA0032507 and GA0032508, which are close to existing permit GA0032506, so currently assuming these two expansions replace the prior permit.
Demorest WPCP- Into Hazel Creek, 2nd expansion	0.40	Assuming Modification	
City of Baldwin- Into Little Mud Creek	1.20	Modification	Modification to permit GA0033243
Habersham High School- Into Lick Log Creek	0.08	Modification	Modification to permit GA0033952
NPDES Total	2.08		
LAS or NPDES?			
Baldwin WWTF	Unknown	Unknown	Found these facilities listed, but the only information provided was the facility name
Cornelia WWTF	Unknown	Unknown	
LAS or NPDES? Total	-		
Total New/Additional Limit	2.08		

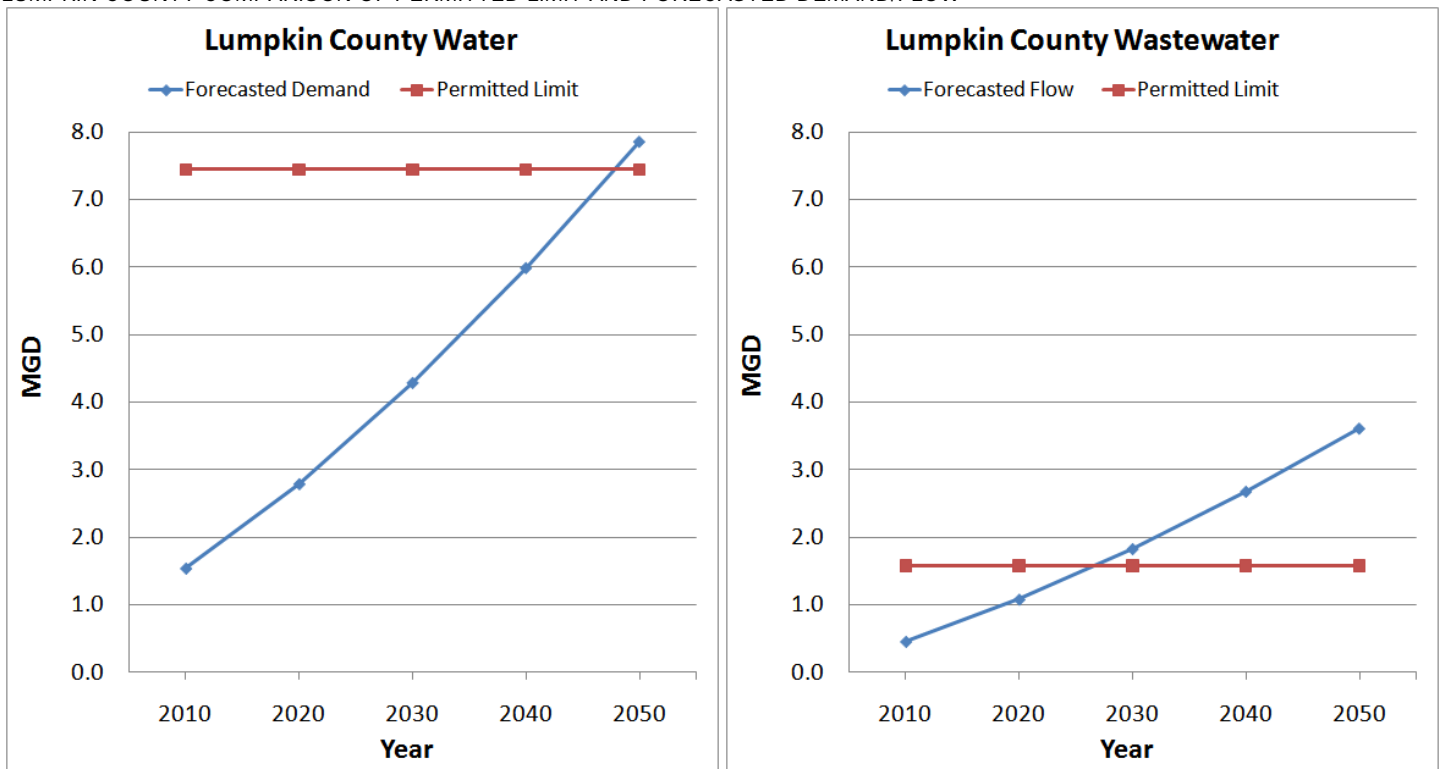
Lumpkin County

Gap Summary

EXHIBIT 47:
LUMPKIN COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	7.32	5.76	+1.56
Ground Water	0.12	2.10	-1.98
Total	7.44	7.86	-0.42
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	1.44	3.62	-2.18
LAS	0.14	0.00	+0.14
Total	1.58	3.62	-2.04

EXHIBIT 48:
LUMPKIN COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 49:
LUMPKIN COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Dahlonega, City Of	6.80	Municipal	093-1204-03
Agricultural (Crop irrigation, livestock, golf, nursery)	0.52	Agricultural	N/A
Surface Water Total	7.32		
Ground Water Permits			
Agricultural (Crop irrigation, livestock, golf, nursery)	0.12	Agricultural	N/A
Ground Water Total	0.12		
Existing Permitted Limit Total	7.44		

Wastewater

EXHIBIT 50:
LUMPKIN COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Vulcan Construction Materials - Dahlonega II	NA	Industrial	GA0037508
Oak Grove MHP	0.005	Municipal	GA0034207
Dahlonega WPCP	1.44	Municipal	GA0026077
NPDES Total	1.44		
LAS Land Application Permits			
Ranch In the Mountains Owners Association	0.10	Municipal	GA03-972
USA Camp Frank D. Merrill	0.04	Municipal	GA03-727
LAS Total	0.14		
Existing Permitted Limit Total	1.58		

Planned Projects

Wastewater

EXHIBIT 51:
LUMPKIN COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Lumpkin County WPCP	0.25	Unknown	
NPDES Total	0.25		
Total New/Additional Limit	0.25		

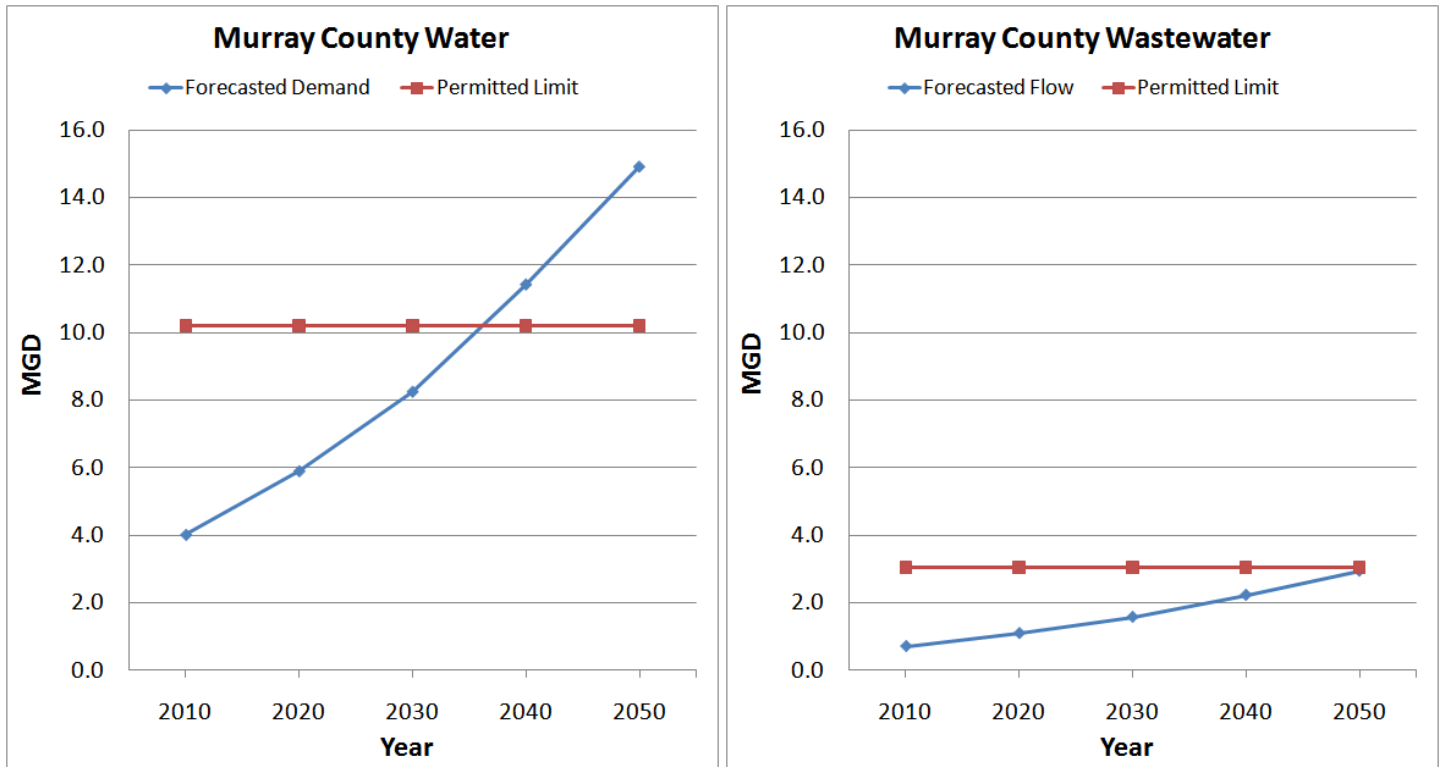
Murray County

Gap Summary

EXHIBIT 52:
MURRAY COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	8.44	11.95	-3.51
Ground Water	1.76	2.97	-1.21
Total	10.20	14.92	-4.72
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	3.05	2.96	+0.09
LAS	0.00	0.00	0.00
Total	3.05	2.96	+0.09

EXHIBIT 53:
MURRAY COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 54:
MURRAY COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Chatsworth Water Works Comm	1.00	Municipal	105-1405-01
Chatsworth Water Works Comm	1.80	Municipal	105-1405-02
Chatsworth, City Of	2.30	Municipal	105-1409-01
Chatsworth, City Of	2.20	Municipal	105-1493-02
Purchase from Gordon County	0.50	Municipal	N/A
Agricultural (Crop irrigation, livestock, golf, nursery)	0.64	Agricultural	N/A
Surface Water Total	8.44		
Ground Water Permits			
Chatsworth, City of	1.76	Municipal	105-0001
Ground Water Total	1.76		
Existing Permitted Limit Total	10.20		

Wastewater

EXHIBIT 55:
MURRAY COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Chatsworth - Judson F. Vick WPCP	3.00	Municipal	GA0032492
DNR - Fort Mountain State Park	0.007	Municipal	GA0046161
Cohutta Springs Conference	0.04	Municipal	GA0035696
NPDES Total	3.05		
Existing Permitted Limit Total	3.05		

Planned Projects

Wastewater

EXHIBIT 56:

MURRAY COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Chatsworth- Judson F. Vick WPCP Expansion, into Holly Creek	2.00	Assumed Modification	This was noted as a consolidation of four existing permits (GA0032492, GA0032832, GA0033251, GA0035947), only <u>one</u> of which is listed in the existing permit list. It is possible that this additional permitted limit will not happen with the other permits taken into account.
NPDES Total	2.00		
Total New/Additional Limit	2.00		

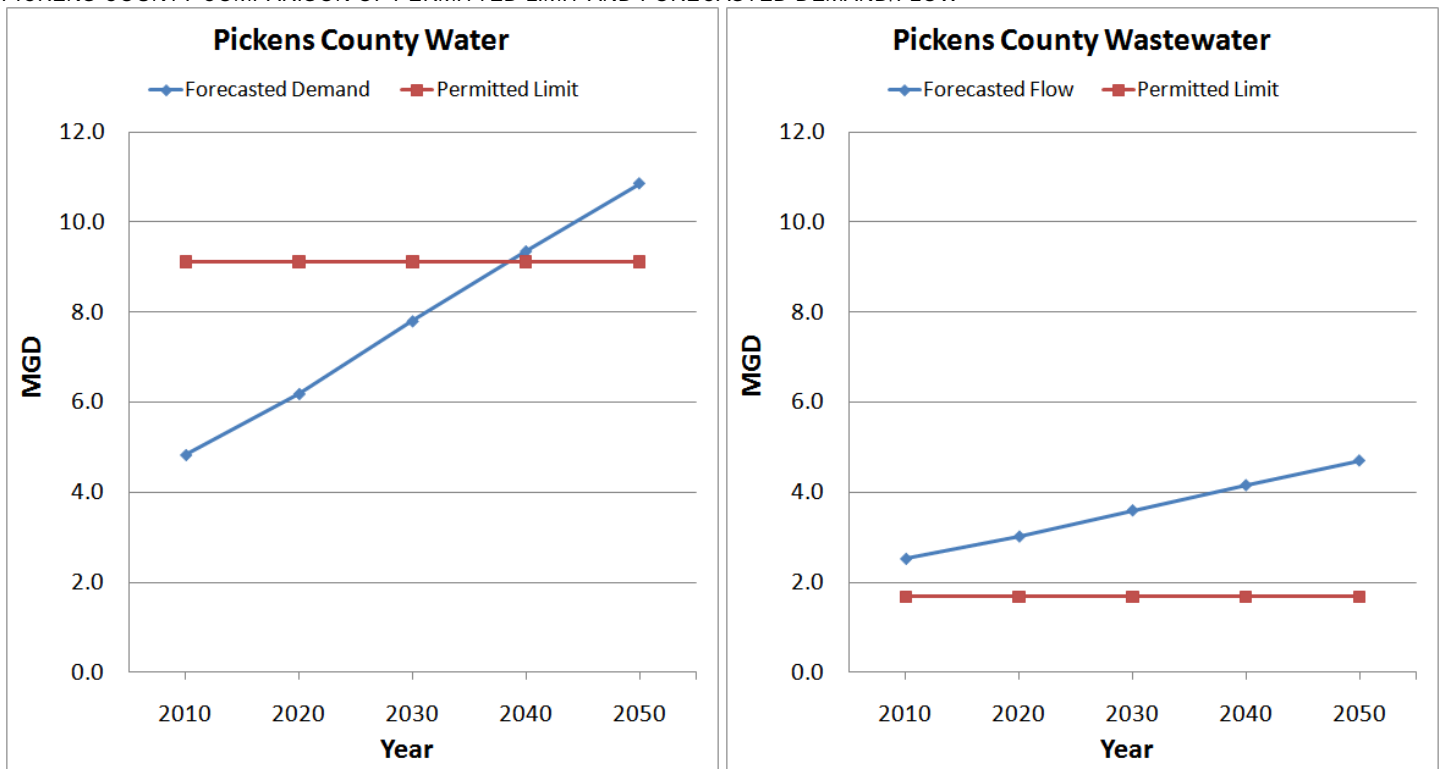
Pickens County

Gap Summary

EXHIBIT 57:
PICKENS COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	6.02	7.31	-1.29
Ground Water	3.10	3.55	-0.45
Total	9.12	10.86	-1.74
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	1.66	4.63	-2.97
LAS	0.02	0.07	-0.05
Total	1.68	4.70	-3.02

EXHIBIT 58:
PICKENS COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 59:
PICKENS COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Jasper, City Of	1.00	Municipal	112-1417-02
Bent Tree Community, Inc.	0.23	Municipal	112-1417-03
Big Canoe Utilities Company	1.00	Municipal	112-1417-05
Big Canoe Utilities Company, Inc.	2.65	Municipal	112-1417-06
Purchase from Gordon County	0.50	Municipal	N/A
Purchase from Cherokee County	0.21	Municipal	N/A
Agricultural(Crop irrigation, livestock, golf, nursery)	0.43	Agricultural	N/A
Surface Water Total	6.02		
Ground Water Permits			
IMERYS Marble, Inc. - Marble Hill Mine	1.44	Industrial	112-0004
Big Canoe Utilities Company, Inc.	0.30	Municipal	112-0001
Jasper, City of	1.00	Municipal	112-0002
Pickens County Water Authority	0.35	Municipal	112-0003
Agricultural (Crop irrigation, livestock, golf, nursery)	0.008	Agricultural	N/A
Ground Water Total	3.10		
Existing Permitted Limit Total	9.12		

Wastewater

EXHIBIT 60:
PICKENS COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
IMERYS Marble Inc. - Marble Hill	0.03	Industrial	GA0000477
Georgia Architectural Stone Inc.	0.56	Industrial	GA0001261
J.M. Huber Engineered Materials	0.01	Industrial	GA0037451
Big Canoe WPCP	0.25	Municipal	GA0030252
Tate Housing Authority	0.01	Municipal	GA0029955
Tate Elementary School	0.007	Municipal	GA0048518
Jasper WPCP	0.80	Municipal	GA0032204
NPDES Total	1.66		
LAS Land Application Permits			
Younglife Inc. - Sharptop Cove	0.02	Municipal	GA03-954
LAS Total	0.02		
Existing Permitted Limit Total	1.68		

Planned Projects

Water

EXHIBIT 61:
PICKENS COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Surface Water			
City of Jasper; Municipal; Long Swamp creek	1.11	Assuming Modification	This has a description similar to permit 112-1417-02, so currently assuming a modification to the existing permit. If it is new, then it is a 2.11 MGD addition.
Surface Water Total	1.11		
Ground Water			
Pickens County Water and Sewer Authority; Groundwater- Crystalline Rock; Change number of wells from 2 to 3	0.78	Modification	Modification to permit 112-0003
Ground Water Total	0.78		
Total New/Additional Limit	1.89		

Wastewater

EXHIBIT 62:
PICKENS COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Big Canoe WPCP	0.25	Modification	This is a planned <u>facility</u> expansion, but it is unclear if it will also include an increase permitted Limit
Jasper-East WPCP Expansion	unknown	Modification	Modification to permit GA0032204, but no indication as to the details of the expansion
NPDES Total	0.25		
LAS Land Application			
Potts Mountain Tract	0.50	New with future Modification	Noted as proposed and approved by EPD with a first phase of 0.125 MGD. The future expansion to 0.500 MGD.
LAS Total	0.50		
Total New/Additional Limit	0.75		

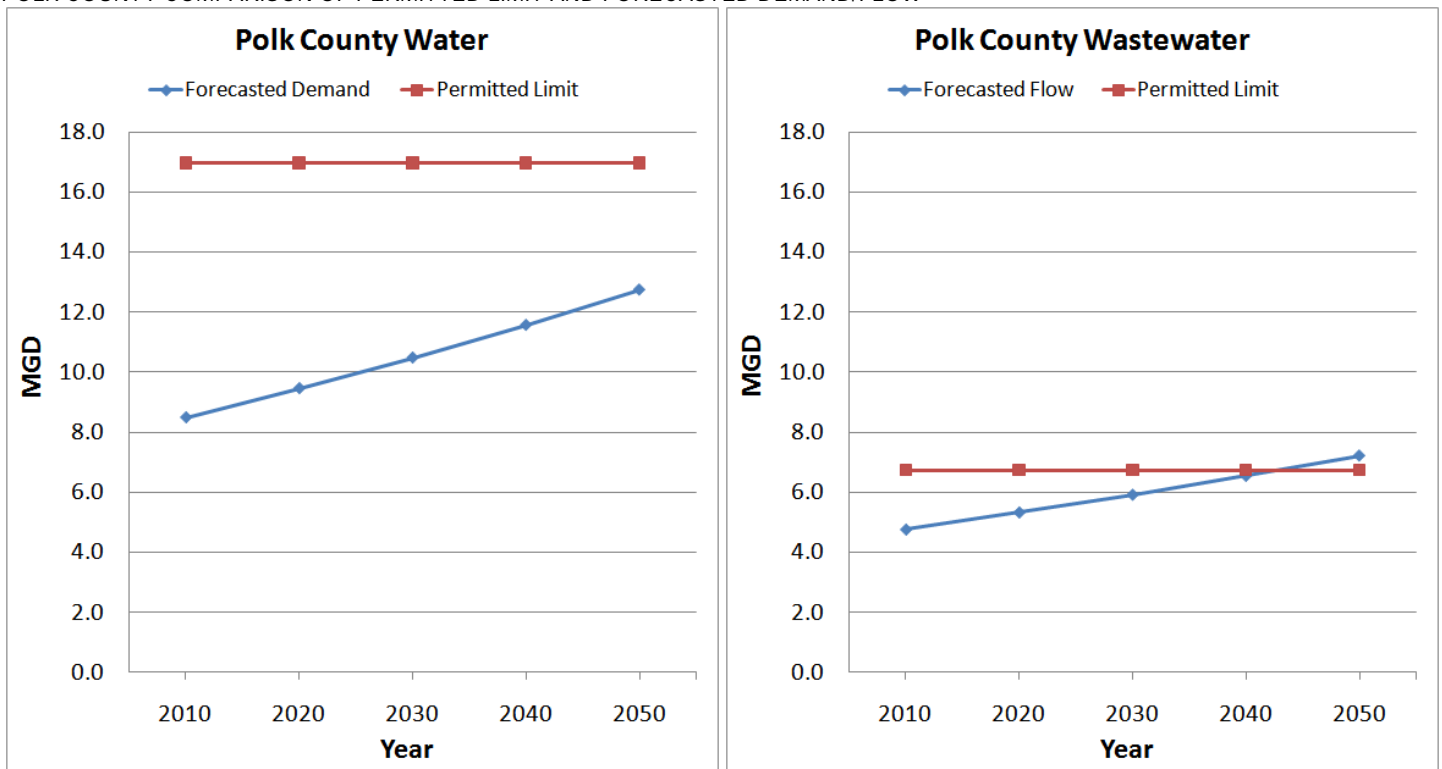
Polk County

Gap Summary

EXHIBIT 63:
POLK COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	11.86	8.45	+3.41
Ground Water	5.11	4.30	+0.81
Total	16.97	12.75	+4.22
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	6.74	7.22	-0.48
LAS	0.00	0.00	0.00
Total	6.74	7.22	-0.48

EXHIBIT 64:
POLK COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 65:
POLK COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Vulcan Construction Materials, L.P.	2.00	Industrial	115-1425-03
Jefferson Smurfit Corporation	0.07	Industrial	115-1428-01
Rockmart, City Of	1.50	Municipal	115-1425-01
Cedartown, City Of	2.60	Municipal	115-1428-04
Polk County Water Authority	1.10	Municipal	115-1428-05
Polk County Water Authority	4.00	Municipal	115-1428-07
Agricultural (Crop irrigation, livestock, golf, nursery)	0.59	Agricultural	N/A
Surface Water Total	11.86		
Ground Water Permits			
GEO Specialty Chemicals	2.50	Industrial	115-0003
Rockmart, City of	2.59	Municipal	115-0004
Agricultural (Crop irrigation, livestock, golf, nursery)	0.02	Agricultural	N/A
Ground Water Total	5.11		
Existing Permitted Limit Total	16.97		

Wastewater

EXHIBIT 66:
POLK COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Engineered Fabrics Corporation	0.02	Industrial	GA0000523
Geo Specialty Chemicals	NA	Industrial	GA0001708
Rockmart Slate Corp.	NA	Industrial	GA0001929
Vulcan Materials Company - Rockmart	NA	Industrial	GA0036803
Zartic Inc.	0.05	Industrial	GA0032085
Cedartown WPCP	3.50	Municipal	GA0024074
Rockmart WPCP	3.00	Municipal	GA0026042
Polk County - Aragon WPCP	0.17	Municipal	GA0026182
NPDES Total	6.74		
Existing Permitted Limit Total	6.74		

Planned Projects

Water

EXHIBIT 67:
POLK COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Ground Water			
City of Rockmart; Groundwater- Newala Limestone and Knox Group; Change number of wells from 2 to 3	1.51	Modification	Modification to permit 115-0004
Ground Water Total	1.51		
Total New/Additional Limit	1.51		

Wastewater

EXHIBIT 68:
POLK COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Rockmart WWTF	unknown	Modification	Noted to be a possible future expansion of permit GA0026042, but no other information given
NPDES Total	-		
Total New/Additional Limit	-		

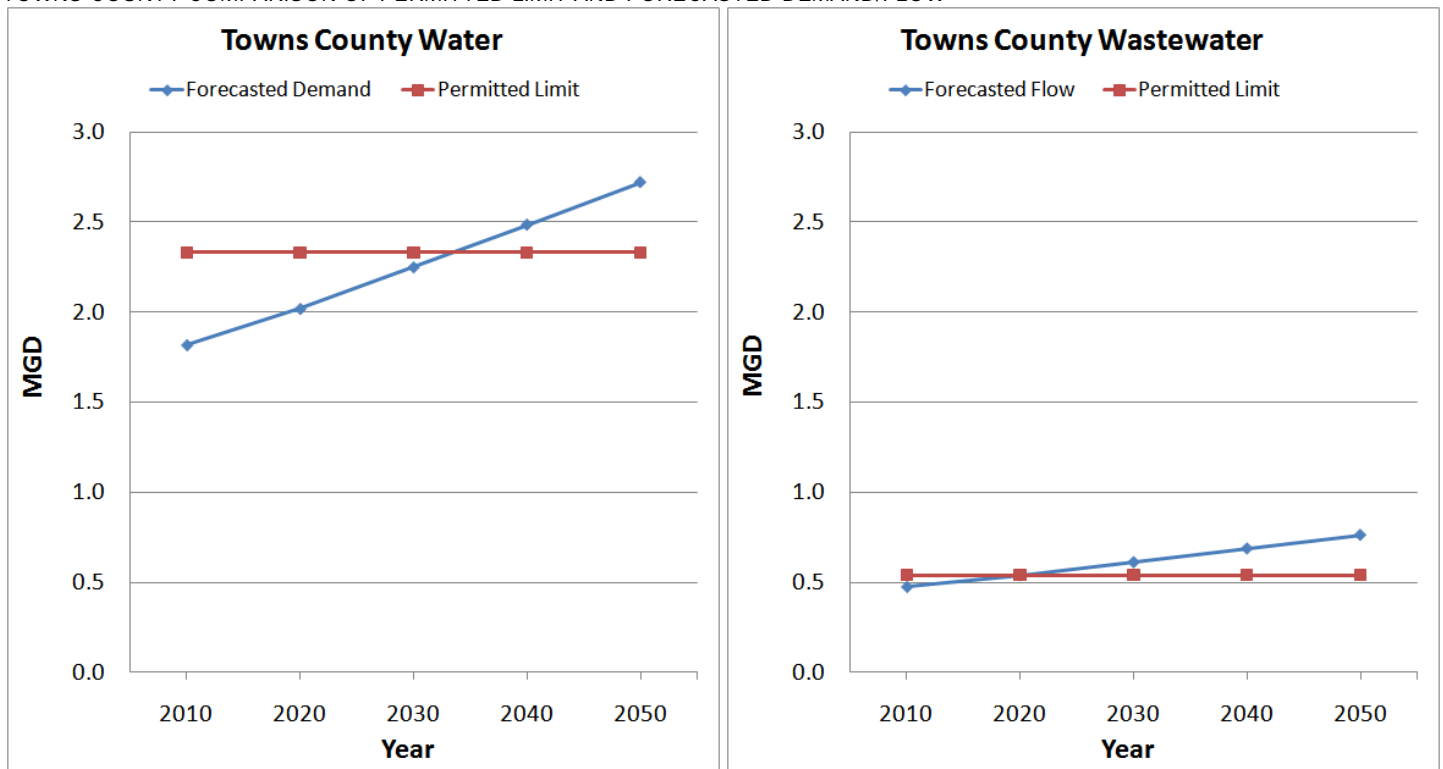
Towns County

Gap Summary

EXHIBIT 69:
TOWNS COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	1.80	2.41	-0.61
Ground Water	0.53	0.31	0.22
Total	2.33	2.72	-0.39
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	0.54	0.76	-0.22
LAS	0.00	0.00	0.00
Total	0.54	0.76	-0.22

EXHIBIT 70:
TOWNS COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 71:
TOWNS COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Hiawassee, City Of	1.50	Municipal	139-1502-01
Agricultural (Crop irrigation, livestock, golf, nursery)	0.30	Agricultural	N/A
Surface Water Total	1.80		
Ground Water Permits			
Young Harris, City of	0.50	Municipal	139-0002
Agricultural (Crop irrigation, livestock, golf, nursery)	0.03	Agricultural	N/A
Ground Water Total	0.53		
Existing Permitted Limit Total	2.33		

Wastewater

EXHIBIT 72:
TOWNS COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Young Harris WPCP	0.24	Municipal	GA0022462
Hiawassee WPCP	0.30	Municipal	GA0050181
NPDES Total	0.54		
Existing Permitted Limit Total	0.54		

Planned Projects

Water

EXHIBIT 73:
TOWNS COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Surface Water			
Towns county WSA: surface water; municipal	1.00	New	
Surface Water Total	1.00		
Total New/Additional Limit	1.00		

Wastewater

EXHIBIT 74:
TOWNS COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Young Harris WPCP- Into Brasstown Creek	0.24	Modification	Modification to GA0022462
Hiawassee WPCP	0.45	Modification	Modification to GA0050181
NPDES Total	0.69		
Total New/Additional Limit	0.69		

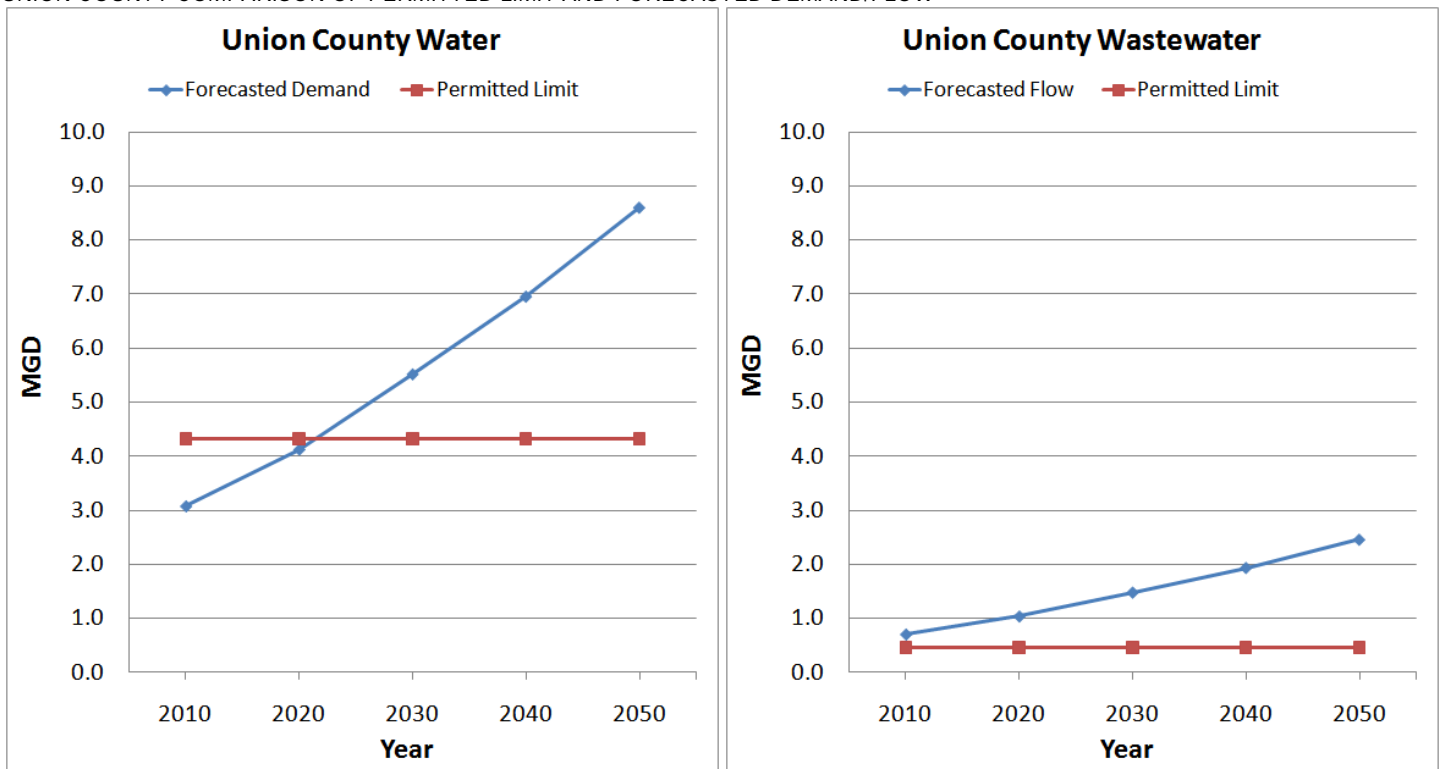
Union County

Gap Summary

EXHIBIT 75:
UNION COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	3.10	5.51	-2.41
Ground Water	1.22	3.10	-1.88
Total	4.32	8.61	-4.29
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	0.47	2.46	-1.99
LAS	0.00	0.00	0.00
Total	0.47	2.46	-1.99

EXHIBIT 76:
UNION COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 77:
UNION COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Blairsville, City Of	1.23	Municipal	144-1503-01
Notla Water Authority	1.00	Municipal	144-1503-02
Agricultural (Crop irrigation, livestock, golf, nursery)	0.87	Agricultural	N/A
Surface Water Total	3.10		
Ground Water Permits			
Notla Water Authority	0.80	Municipal	144-0001
Blairsville, City of	0.40	Municipal	144-0002
Agricultural (Crop irrigation, livestock, golf, nursery)	0.02	Agricultural	N/A
Ground Water Total	1.22		
Existing Permitted Limit Total	4.32		

Wastewater

EXHIBIT 78:
UNION COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Colwell Construction	NA	Industrial	GA0037826
Blairsville WPCP	0.40	Municipal	GA0033375
DNR- Vogel State Park	0.07	Municipal	GA0031313
NPDES Total	0.47		
Existing Permitted Limit Total	0.47		

Planned Projects

Water

EXHIBIT 79:
UNION COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Ground Water			
Coosa Water Authority; groundwater-crystalline rock aquifer; 5 proposed wells	0.39	New	
Ground Water Total	0.39		
Total New/Additional Limit	0.39		

Wastewater

EXHIBIT 80:
UNION COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Blairsville WPCP- Into Butternut Creek	1.60	Modification	Modification to permit GA0033375
NPDES Total	1.60		
LAS Land Application			
Mountain Creek RV Resort	0.04	New	This has been given permit number GA03-676, but doesn't appear to be in place
LAS Total	1.64		
Total New/Additional Limit	2.10		

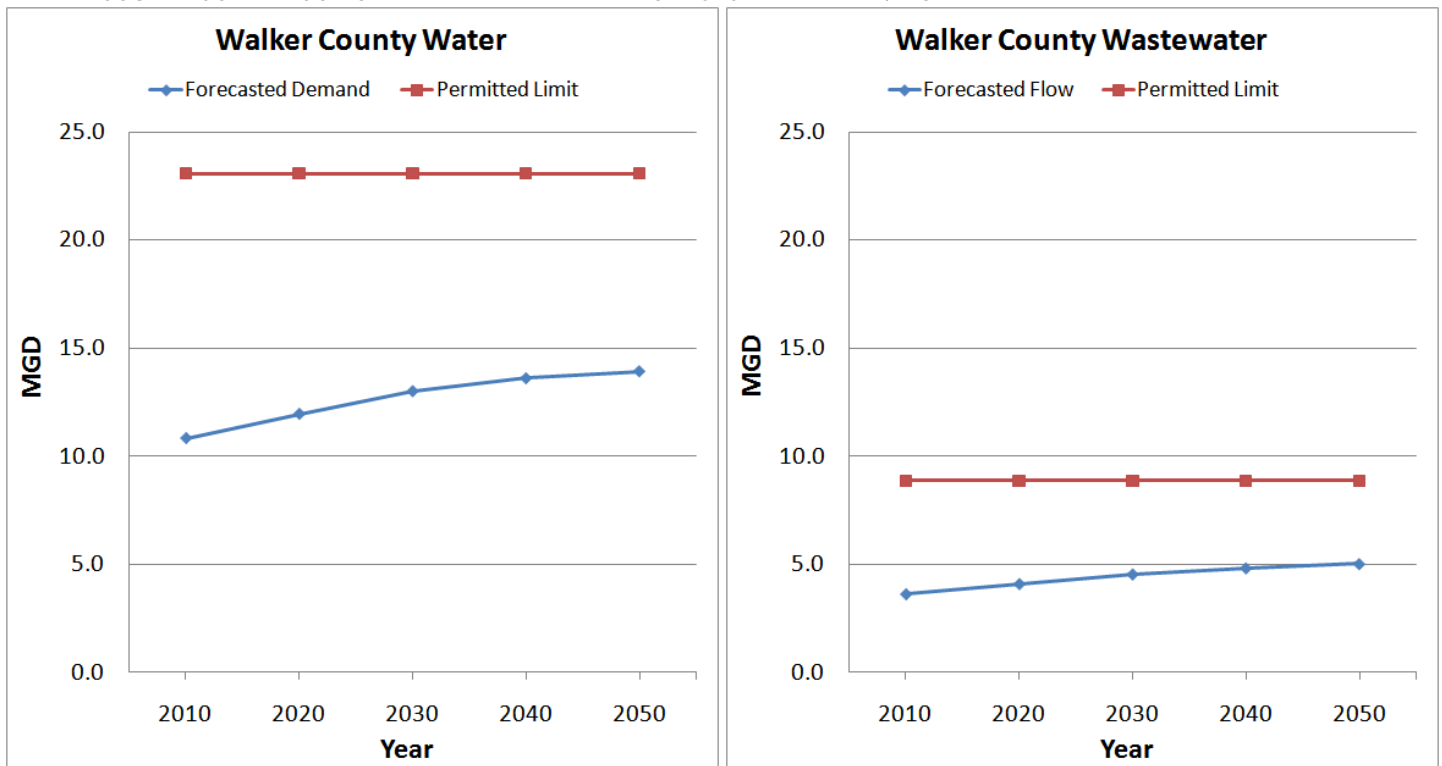
Walker County

Gap Summary

EXHIBIT 81:
WALKER COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	9.04	4.06	+4.98
Ground Water	14.03	9.87	+4.16
Total	23.07	13.93	+9.14
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	8.53	5.03	+3.50
LAS	0.34	0.00	+0.34
Total	8.87	5.03	+3.84

EXHIBIT 82:
WALKER COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 83:
WALKER COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Yates Bleachery Company	0.60	Industrial	146-1507-01
Crystal Springs Print Works, Inc.	1.30	Industrial	146-1507-06
Peerless Self Storage	0.30	Industrial	146-1508-01
La Fayette, City Of	0.90	Municipal	146-1401-01
La Fayette, City Of	1.31	Municipal	146-1401-02
Walker County Water & Sewer Authority	4.00	Municipal	146-1507-04
Purchase from Catoosa County	0.08	Municipal	N/A
Agricultural (Crop irrigation, livestock, golf, nursery)	0.55	Agricultural	N/A
Surface Water Total	9.04		
Ground Water Permits			
Reichhold, Inc.	1.40	Industrial	146-0001
Shaw Industries - Plant S1	0.17	Industrial	146-0007
Walker County Water & Sewerage Authority - Coke Oven	2.80	Municipal	146-0003
Walker County W&S Authority-Kensington	1.00	Municipal	146-0004
Walker County Rural W&S Authority	0.40	Municipal	146-0005
Chickamauga, City of	1.80	Municipal	146-0006
Lafayette, City of	0.85	Municipal	146-0009
Lafayette, City of (Wells 3 & 5)	1.10	Municipal	146-0010
Walker County W&S Authority-Water Treatment Plant	4.50	Municipal	146-0011
Agricultural (Crop irrigation, livestock, golf, nursery)	0.008	Agricultural	N/A
Ground Water Total	14.03		
Existing Permitted Limit Total	23.07		

Wastewater

EXHIBIT 84:
WALKER COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Shaw Industries Group	0.03	Industrial	GA0046205
Yates Bleachery Company	0.00	Industrial	GA0037362
Walker County WPCP	3.50	Municipal	GA0020478
Lafayette WPCP	5.00	Municipal	GA0025712
NPDES Total	8.53		
LAS Land Application Permits			
Tauqueta Falls Reuse	0.34	Municipal	GA03-708
LAS Total	0.34		
Existing Permitted Limit Total	8.87		

Planned Projects

Water

EXHIBIT 85:
WALKER COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Ground Water			
City of LaFayette; Groundwater- Knox Group; 2 existing wells down to 1 well	0.00	Renewal	Renewal of 146-0010 with the same Limit, but a different number of wells
Ground Water Total	0.00		
Total New/Additional Limit	0.00		

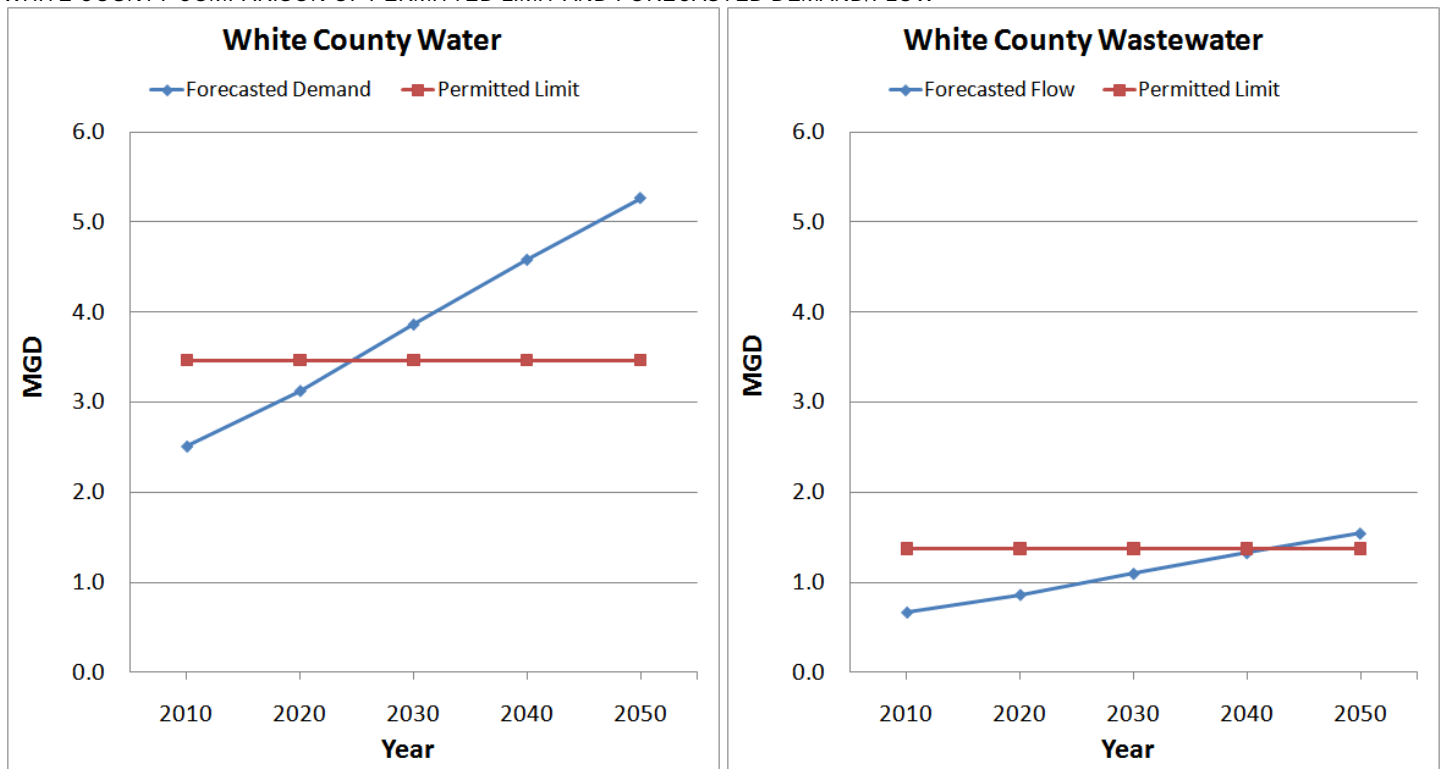
White County

Gap Summary

EXHIBIT 86:
WHITE COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	2.19	4.20	-2.01
Ground Water	1.28	1.06	+0.22
Total	3.47	5.26	-1.79
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	0.80	0.64	0.16
LAS	0.58	0.91	-0.33
Total	1.38	1.55	-0.17

EXHIBIT 87:
WHITE COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 88:
WHITE COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
White County Water & Sewer Authority	1.80	Municipal	154-1202-02
Agricultural (Crop irrigation, livestock, golf, nursery)	0.39	Agricultural	N/A
Surface Water Total	2.19		
Ground Water Permits			
Helen, City of	0.40	Municipal	154-0001
Cleveland, City of	0.84	Municipal	154-0002
Agricultural (Crop irrigation, livestock, golf, nursery)	0.04	Agricultural	N/A
Ground Water Total	1.28		
Existing Permitted Limit Total	3.47		

Wastewater

EXHIBIT 89:
WHITE COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Long Mountain Quarry	NA	Industrial	GA0046302
Cleveland WPCP	0.75	Municipal	GA0036820
Mountain Lakes Resort	0.009	Municipal	GA0046400
Camp Barney Medintz	0.04	Municipal	GA0034983
NPDES Total	0.80		
LAS Land Application Permits			
Unicoi State Park Lodge	0.08	Municipal	GA02-066
Helen LAS	0.50	Municipal	GA02-157
LAS Total	0.58		
Existing Permitted Limit Total	1.38		

Planned Projects

Water

EXHIBIT 90:
WHITE COUNTY PLANNED WATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. WITHDRAWAL LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
Surface Water			
White County water and sewerage authority; municipal; Turner Creek	0.00	Assuming Renewal	The description makes it seem like this is related to permit 154-1202-02, however, the proposed limit is the same as the existing Limit.
Surface Water Total	0.00		
Total New/Additional Limit	0.00		

Wastewater

EXHIBIT 91:
WHITE COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
LAS Land Application			
LHR Farms; City-Cleveland; Watershed-Chattahoochee; permit status "Hearing"	0.15	New	
UAHC Camp Coleman	0.025	New	Given permit number GA03-731, but noted as facility not built, so it's here in planned instead of permitted
Motes Pumping Service; City-Cleveland; Watershed-Chattahoochee; permit status- In issuance	0.025	New	
LAS Total	0.20		
Total New/Additional Limit	0.20		

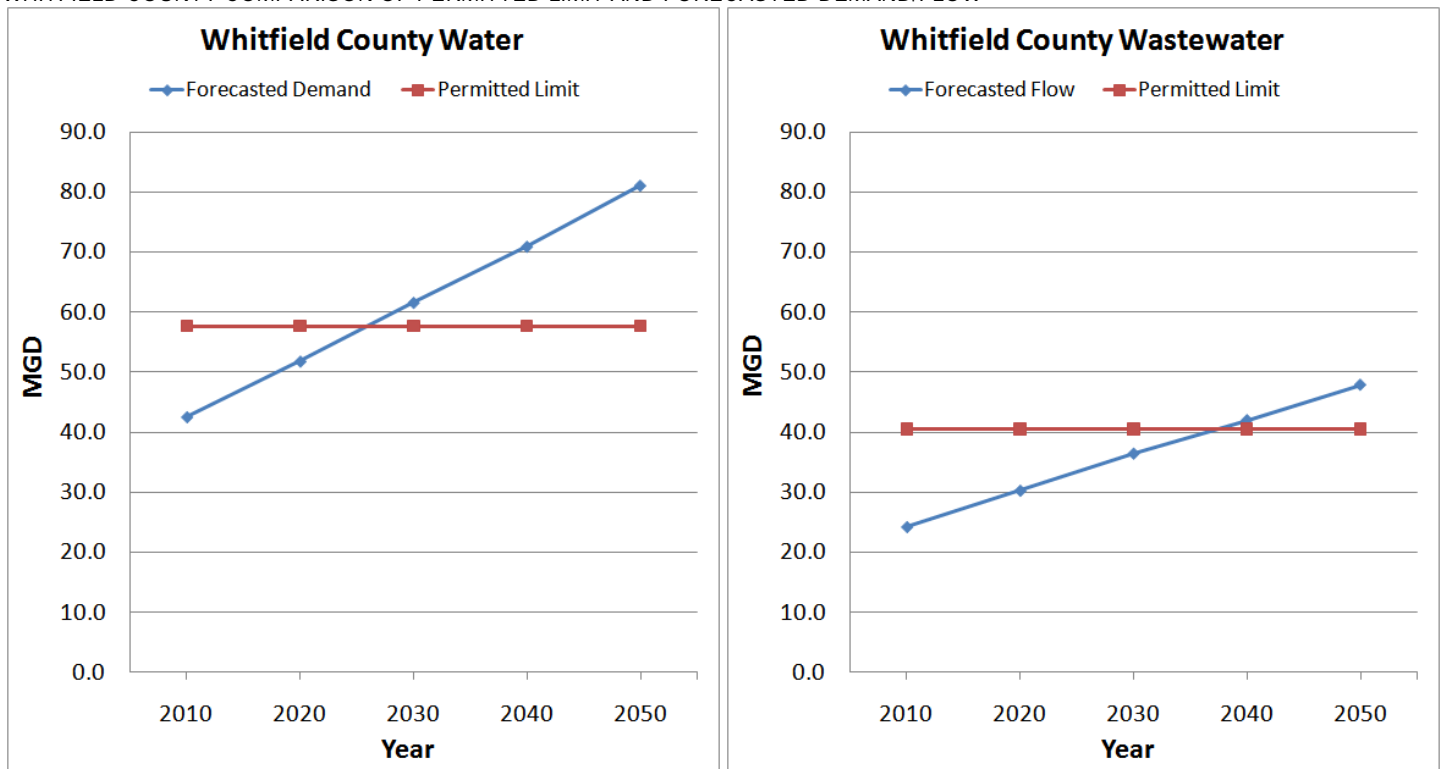
Whitfield County

Gap Summary

EXHIBIT 92:
WHITFIELD COUNTY COMPARISON OF PERMITTED LIMIT AND 2050 FORECASTED DEMAND/FLOW

WATER (MGD)			
PERMIT TYPE	PERMITTED WITHDRAWAL LIMIT	2050 FORECASTED DEMAND	SURPLUS (+) SHORTAGE (-)
Surface Water	57.55	81.02	-23.47
Ground Water	0.08	0.08	+0.00
Total	57.63	81.10	-23.47
WASTEWATER (MGD)			
PERMIT TYPE	PERMITTED TREATMENT LIMIT	2050 FORECASTED FLOW	SURPLUS (+) SHORTAGE (-)
NPDES	0.50	0.09	+0.41
LAS	40.00	47.78	-7.78
Total	40.50	47.87	-7.37

EXHIBIT 93:
WHITFIELD COUNTY COMPARISON OF PERMITTED LIMIT AND FORECASTED DEMAND/FLOW



Existing Permits

Water

EXHIBIT 94:
WHITFIELD COUNTY EXISTING WATER PERMITS

PERMIT	PERMITTED WITHDRAWAL LIMIT (MGD)	TYPE	PERMIT NO.
Surface Water Permits			
Dalton Utilities	40.30	Municipal	155-1404-01
Dalton Utilities	7.50	Municipal	155-1404-02
Dalton Utilities	5.00	Municipal	155-1404-03
Dalton Utilities	1.50	Municipal	155-1404-04
Purchase from Tennessee	2.00	Municipal	N/A
Agricultural (Crop irrigation, livestock, golf, nursery)	1.25	Agricultural	N/A
Surface Water Total	57.55		
Ground Water Permits			
Agricultural (Crop irrigation, livestock, golf, nursery)	0.08	Agricultural	N/A
Ground Water Total	0.08		
Existing Permitted Limit Total	57.63		

Wastewater

EXHIBIT 95:
WHITFIELD COUNTY EXISTING WASTEWATER PERMITS

PERMIT	PERMITTED TREATMENT LIMIT (MGD)	TYPE	PERMIT NO.
NPDES Point Source Permits			
Dow Chemical Company - Dalton	0.125	Industrial	GA0000426
Vulcan Materials Company - Whitfield	NA	Industrial	GA0003972
Callaway Chemical Company	NA	Industrial	GA0048020
Super 8 Motel	0.025	Municipal	GA0048887
Westside Elementary School	0.015	Municipal	GA0049158
Westside Middle School	0.012	Municipal	GA0047660
Whispering Pines MHP	0.038	Municipal	GA0023426
Eastbrook Middle School	0.016	Municipal	GA0034037
Antioch Elementary School	0.005	Municipal	GA0048488
Dug Gap Elementary School	0.010	Municipal	GA0064011
Dawnville Elementary School	0.012	Municipal	GA0034002
Mill Creek Water Pollution Control Plant	0.150	Municipal	GA0038946
Varnell elementary School	0.010	Municipal	GA0034029
Dalton Utilities - Whitfield Mountain View Acres	0.084	Municipal	GA0047848
NPDES Total	0.50		
LAS Land Application Permits			
Dalton Utilities	40.00	Municipal	GA02-056
Wishy Washy Car Wash	0.00	Municipal	GA03-605
LAS Total	40.00		
Existing Permitted Limit Total	40.50		

Planned Projects

Wastewater

EXHIBIT 96:
WHITFIELD COUNTY PLANNED WASTEWATER PROJECTS

PLANNED PROJECTS	NEW/ ADD. TREATMENT LIMIT (MGD)	NEW/ MOD. TO EXISTING	COMMENTS
NPDES Point Source			
Dalton Utilities-Mtn View Acres Expansion- Into Stone Branch	0.17	Modification	Modification to permit GA0047848
Dalton Utilities_ Coahulla Creek New Discharge- Into Coahulla Creek	1.00	New with future expansions	Proposed as a new facility of 0.15 MGD with incremental expansions out to a final 1.00 MGD
NPDES Total	1.17		
Total New/Additional Limit	1.17		