

Point Source Inventory - Franklin Project

I. Introduction

North Carolina Department of Environment and Natural Resources - Division of Water Quality (NCDENR-DWQ) is responsible for managing the water quality of the state's freshwater resources. The NCDENR-DWQ relies on the basinwide management plan developed for each river basin. Each plan is evaluated and, based upon water quality monitoring, revised every 5-years. The goals of the plan are to identify and restore full use to impaired waters, protect highly valued resource waters, and manage problem pollutants. The primary component of a basinwide plan is the process of permitting point source, wastewater treatment facilities through the National Pollutant Discharge Elimination System (NPDES).

A portion of the water quality issues addressed by various agencies in the FERC relicensing process was the identification and inventory of the point source discharges upstream, downstream and within project waters. Therefore, the objective of this report is to provide an inventory of the NPDES discharges for the entire watershed of the Little Tennessee basin continuing until Fontana Reservoir.

II. Methods

An inventory of the NPDES permits for the respective river basins was collated in January, 2002. Duke Power Company had in its GIS data base a list of the NPDES permits on record as of November, 1997. In order to update the inventory, a data request from the NCDENR - Division of Water Quality for the NPDES permits on record as of December, 2001 was requested. Upon obtaining these records, a comparison with the 1997 records revealed numerous point source discharges listed in the 1997 records were not listed in the 2002 data base. In addition, the headwaters of the Little Tennessee River are located in Georgia, therefore, a listing of the NPDES discharges in Georgia were included. A complete record of the NPDES permits since 1997 was obtained from the various sources listed in Table 1. Duplicate records between databases were deleted.

III. Results

The results of the collation of the various databases are presented in Tables 2 and 3. If the respective category is blank, that data was not available from the database supplied by the state.

Table 1. List of Sources to Obtain NPDES Permit Information

Data Source	Data acquired	Source	Obtained via	Internet URL
1999	01/17/02	Georgia Department of Natural Resources Environmental Protection Division	Download from agency website	http://www.ganet.org//dnr/environ/techguide_files/gsb/dr0021.zip
1994	11/06/97	North Carolina Center for Geographic Information and Analysis	Download from agency website	http://www.ncmapnet.com/
2000	08/24/00	North Carolina Center for Geographic Information and Analysis	Download from agency website	http://www.ncmapnet.com/
2001	01/16/02	North Carolina Department of Environment and Natural Resources Division of Water Quality	Attachment to email from Charles Weaver responding to request for data	

Table 2. NPDES Permits - Little Tennessee River Basin (Franklin Project downstream to Fontana Lake)

Data Source	PERMIT #	FACILITY	RECEIVING STREAM	TYPE	DATE ISSUED	DATE EXPIRES	PERMITTED FLOW (gal/day)	COUNTY	Longitude	Latitude
1994	NC0065412	Shuler Ruby Mine	Caler Fork Creek	-	12/30/92	-	-	Macon	83° 21' 29.02" W	35° 16' 22.01" N
1994	NCG520017	Cherokee Ruby Mine	Caler Fork Creek	-	11/01/93	-	-	Macon	83° 21' 2.02" W	35° 16' 22.01" N
1994	NCG520018	Jones Ruby Mine	Caler Fork Creek	-	11/01/93	-	-	Macon	83° 21' 38.02" W	35° 16' 18.01" N
1994	NCG520019	Shuler Ruby Mine	Caler Fork Creek	-	11/01/93	-	-	Macon	83° 21' 29.02" W	35° 16' 22.01" N
1994	NCG520016	Pinaud Gem Mine	Mason Branch	-	11/01/93	-	-	Macon	83° 23' 28.00" W	35° 14' 43.01" N
1994	NCG530071	Tellico Trout Farm	Tellico Creek	-	11/01/93	-	-	Macon	83° 31' 27.01" W	35° 16' 35.00" N

Table 3. NPDES Permits - Little Tennessee River Basin (Upstream of the Franklin Project)

Data Source	PERMIT #	FACILITY	RECEIVING STREAM	TYPE	DATE ISSUED	DATE EXPIRES	PERMITTED FLOW (gal/day)	COUNTY	Longitude	Latitude
2001	NC0032778	4th Street WTP	Big Creek	Water Plants and Water Conditioning Discharge	9/29/97	10/31/02	-	Macon	83° 13' 3.00" W	35° 4' 11.00" N
2001	NC0036692	Skyline Lodge	Big Creek	Discharging 100% Domestic < 1MGD	5/12/98	11/30/02	10000	Macon	83° 12' 56.00" W	35° 4' 27.00" N
2001	NC0070394	Willowbrook Park	Coweeta Creek	Discharging 100% Domestic < 1MGD	3/30/98	11/30/02	24600	Macon	83° 23' 12.00" W	35° 5' 4.00" N
2001	NC0021407	Highlands Town-WWTP	Cullasaja River	Discharging 100% Domestic < 1MGD	3/3/99	10/31/02	500000	Macon	83° 13' 31.00" W	35° 4' 3.00" N
2001	NC0059552	Highlands Falls WWTP	Cullasaja River	Discharging 100% Domestic < 1MGD	3/30/98	11/30/02	3000	Macon	83° 11' 20.00" W	35° 4' 47.00" N
2001	NC0067300	Macon Middle School WWTP	Cullasaja River	Discharging 100% Domestic < 1MGD	3/2/98	10/31/02	10000	Macon	83° 21' 37.00" W	35° 9' 51.00" N
2001	NC0067326	Cullasaja School	Cullasaja River	Discharging 100% Domestic < 1MGD	1/26/98	10/31/02	2000	Macon	83° 18' 53.00" W	35° 9' 40.00" N
2001	NC0075612	Wildcat Cliffs Co Club/ WWTP	Cullasaja River	Discharging 100% Domestic < 1MGD	1/26/98	11/30/02	50000	Macon	83° 9' 17.00" W	35° 5' 5.00" N
2001	NC0037991	Highlands Mountain Club	Monger Creek	Discharging 100% Domestic < 1MGD	5/12/98	11/30/02	22000	Macon	83° 13' 37.00" W	35° 2' 48.00" N

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2001	NC0058262	Highlands Country Club WWTP	Monger Creek	Discharging 100% Domestic < 1MGD	5/12/98	10/31/02	50000	Macon	83° 13' 20.00" W	35° 3' 13.00" N
2001	NC0060844	Laurel Hills Homeowners Assoc	Norton Branch	Discharging 100% Domestic < 1MGD	3/23/98	11/30/02	9000	Macon	83° 22' 23.00" W	35° 7' 45.00" N
2001	NC0021547	Franklin Town-WWTP	Norton Branch	Municipal Wastewater Discharge - Large	3/13/98	10/31/02	1650000	Macon	83° 23' 5.00" W	35° 12' 3.00" N
2001	NC0051381	Highlands Falls Country Club WWTP	Saltrock Branch	Discharging 100% Domestic < 1MGD	10/15/97	11/30/02	135000	Macon	83° 10' 44.00" W	35° 3' 53.00" N
2000	NC0086461	Western Sand Corporation	Little Tennessee	Sand Dredging	03/11/99	11/30/02	60000	Macon	83° 22' 28" W	35° 11' 13" N
1999	GA0023787	Vulcan Materials Co.	Kellys Cr.	Industrial	-	-	-	Rabun	83° 21' 25.24" W	34° 58' 27.15" N
1999	GA0000060	Rabun Apparel Inc.	Little Tennessee River	Industrial	-	-	-	Rabun	83° 22' 36.17" W	34° 57' 37.95" N
1999	GA0047139	Dillard WPCP	Little Tennessee River Trib.	Municipal	-	-	-	Rabun	83° 22' 55.26" W	34° 58' 38.59" N
1994	NCG550162	Arthur E. Gamache Residence	Buck Creek	-	11/01/93	-	-	Macon	83° 16' 40.01" W	35° 7' 43.00" N
1994	NCG550170	Wendel Nixon Residence	Buck Creek	-	11/01/93	-	-	Macon	83° 15' 27.97" W	35° 7' 30.00" N

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1994	NCG550444	J. Edward Gay Residence	Buck Creek	-	11/01/93	-	-	Macon	83° 16' 45.01" W	35° 7' 44.00" N
1994	NCG550364	Frank Fargo Residence	Coweeta Creek	-	11/01/93	-	-	Macon	83° 23' 40.02" W	35° 4' 28.99" N
1994	NCG550518	Tom Earley Residence	Coweeta Creek	-	11/01/93	-	-	Macon	83° 23' 40.99" W	35° 4' 15.02" N
1994	NC0061221	On the Verandah; Inc.	Lake Sequoyah	-	12/30/92	-	-	Macon	83° 13' 12.00" W	35° 3' 49.00" N
1994	NCG550389	Lonnie Barnes Residence	Little Buck Creek	-	11/01/93	-	-	Macon	83° 13' 57.00" W	35° 8' 22.02" N
1994	NCG550396	Gerald A. Wolfe Residence	Little Buck Creek	-	11/01/93	-	-	Macon	83° 13' 19.02" W	35° 8' 46.00" N
1994	NC0027243	Franklin Mineral Products Company	Little Tennessee River	-	12/30/92	-	-	Macon	83° 22' 13.01" W	35° 10' 48.00" N
1994	NC0069078	Mann Brothers	Little Tennessee River	-	12/30/92	-	-	Macon	83° 22' 57.00" W	35° 5' 35.99" N
1994	NC0073261	Walter L. Propst Property	Little Tennessee River	-	12/30/92	-	-	Macon	83° 22' 57.97" W	35° 5' 37.00" N
1994	NCG520024	Evans / Kirkland Sand Dredge	Little Tennessee River	-	11/01/93	-	-	Macon	83° 22' 13.98" W	35° 10' 30.00" N

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1994	NCG520031	Bert Raby Sand Dredge	Little Tennessee River	-	11/01/93	-	-	Macon	83° 23' 8.99" W	35° 3' 38.99" N
1994	NCG520039	Harold Clark SFR (Lake Emory Sand Dredge)	Little Tennessee River	-	11/01/93	-	-	Macon	83° 23' 2.98" W	35° 12' 11.02" N
1994	NCG550299	Anthony J. Fiorillo Residence	Little Tennessee River	-	11/01/93	-	-	Macon	83° 22' 45.01" W	35° 12' 29.99" N
1994	NCG550300	Rodney W. Goehman Residence	Little Tennessee River	-	11/01/93	-	-	Macon	83° 22' 45.01" W	35° 12' 29.99" N
1994	NCG550392	James Jacobs Residence	Middle Creek	-	11/01/93	-	-	Macon	83° 21' 51.98" W	35° 3' 10.98" N
1994	NCG550000	Highlands Assembly of God	Mill Creek	-	11/01/93	-	-	Macon	83° 11' 38.00" W	35° 3' 4.00" N
1994	NCG550482	Barbara Service Residence	Skeenah Creek	-	11/01/93	-	-	Macon	83° 24' 15.98" W	35° 6' 38.99" N
1994	NCG550658	Highlands-Cashiers Animal Clinic	UT Cullasaja River	-	11/01/93	-	-	Macon	83° 11' 17.99" W	35° 4' 10.99" N
1994	NC0060682	Sky Valley Resort / Alpine Lodge	UT Mud Creek	-	12/30/92	-	-	Macon	83° 20' 10.00" W	34° 59' 58.99" N
1994	NC0020524	LBJ Civilian Conservation Center	Wayah Creek	-	12/30/92	-	-	Macon	83° 30' 27.97" W	35° 9' 54.00" N