

## **Point Source Inventory - Dillsboro 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 Tuckasegee River basin (excluding the Oconaluftee River - see Bryson Project NPDES inventory) continuing until the confluence with the Tuckasegee River.

### **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. 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 - 5. 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**

<b>Data Source</b>	<b>Data acquired</b>	<b>Source</b>	<b>Obtained via</b>	<b>Internet URL</b>
1999	01/17/02	Georgia Department of Natural Resources Environmental Protection Division	Download from agency website	<a href="http://www.ganet.org//dnr/environ/techguide_files/gsb/dr0021.zip">http://www.ganet.org//dnr/environ/techguide_files/gsb/dr0021.zip</a>
1994	11/06/97	North Carolina Center for Geographic Information and Analysis	Download from agency website	<a href="http://www.ncmapnet.com/">http://www.ncmapnet.com/</a>
2000	08/24/00	North Carolina Center for Geographic Information and Analysis	Download from agency website	<a href="http://www.ncmapnet.com/">http://www.ncmapnet.com/</a>
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 - Tuckasegee River Basin (Dillsboro Project downstream to Fontana Lake)**

Data Source	PERMIT #	FACILITY	RECEIVING STREAM	TYPE	DATE ISSUED	DATE EXPIRES	PERMITTED FLOW (gal/day)	COUNTY	Longitude	Latitude
2001	NC0032808	Ensley Adult Care Home Incorporated	Blanton Branch	Discharging 100% Domestic < 1MGD	-	11/30/02	8500	Jackson	83° 9' 54.00" W	35° 23' 32.00" N
2001	NC0074250	Gateway Chevron Incorporated	Camp Creek	Discharging 100% Domestic < 1MGD	2/13/98	11/30/02	5000	Jackson	83° 19' 59.00" W	35° 25' 15.00" N
2001	NC0084441	Smoky Mountain Country Club	Conley Creek	Discharging 100% Domestic < 1MGD	3/30/98	10/31/02	120000	Swain	83° 22' 8.00" W	35° 25' 4.00" N
2001	NC0020214	Sylva WWTP	Scott Creek	Municipal Wastewater Discharge < 1MGD	3/30/98	10/31/02	500000	Jackson	83° 14' 30.00" W	35° 22' 26.00" N
2001	NC0066940	Scotts Creek School	Scott Creek	Discharging 100% Domestic < 1MGD	3/30/98	10/31/02	6300	Jackson	83° 9' 56.00" W	35° 24' 7.00" N
2001	NC0000264	Jackson County Industrial Park	Tuckasegee River	Discharging 100% Domestic < 1MGD	4/12/99	10/31/02	5000	Jackson	83° 21' 24.00" W	35° 25' 41.00" N
2001	NC0026557	Bryson City Town-WWTP	Tuckasegee River	Municipal Wastewater Discharge < 1MGD	3/30/98	10/31/02	600000	Swain	83° 27' 49.00" W	35° 25' 21.00" N
2001	NC0061620	Hide Away Campground Incorporated	Tuckasegee River	Discharging 100% Domestic < 1MGD	2/13/98	11/30/02	10000	Swain	83° 23' 55.00" W	35° 27' 9.00" N
1994	NC0079154	Mr. Warner Bradley / Pioneer MHP	Barkers Creek	-	12/17/92	-	-	Jackson	83° 17' 50.03" W	35° 22' 58.01" N

**Table 2. Con't**

1994	NC0074357	Woody's Trout Farm	Cooper Creek	-	12/17/92	-	-	Swain	83° 22' 14.99" W	35° 29' 33.00" N
1994	NC0073563	Church of God Assembly Grounds	Crooked Creek	-	12/17/92	-	-	Jackson	83° 20' 15.00" W	35° 25' 22.01" N
1994	NC0065315	Louis Racy Residence	Dicks Creek	-	12/17/92	-	-	Jackson	83° 15' 45.00" W	35° 23' 53.02" N
1994	NCG550351	Lewis Ellsworth Residence	Dicks Creek	-	11/01/93	-	-	Jackson	83° 15' 45.00" W	35° 23' 40.99" N
1994	NCG080056	Lewis Oil Company; Inc.	Scott Creek	-	12/17/92	-	-	Jackson	83° 12' 34.99" W	35° 23' 11.00" N
1994	NC0065293	Jackson Paper Manufacturing Company	Scotts Creek	-	12/17/92	-	-	Jackson	83° 12' 55.98" W	35° 22' 32.99" N
1994	NC0025747	Dillsboro WWTP	Tuckasegee River	-	03/22/93	-	-	Jackson	83° 15' 16.02" W	35° 22' 0.98" N
1994	NCG500261	Swain County Jail & Sheriff's Department	Tuckasegee River	-	11/01/93	-	-	Swain	83° 26' 44.99" W	35° 25' 43.00" N
1994	NCG550575	Milton J. Barber Residence	Tucksegee River	-	11/01/93	-	-	Jackson	83° 16' 48.00" W	35° 22' 44.00" N
1994	NCG550375	William Arnold Price Residence	West Fork Dicks Creek	-	11/01/93	-	-	Jackson	83° 15' 14.00" W	35° 25' 36.98" N

**Table 3. NPDES Permits - Tuckasegee River Basin (Tuckasegee Project downstream to the Dillsboro Project)**

Data Source	PERMIT #	FACILITY	RECEIVING STREAM	TYPE	DATE ISSUED	DATE EXPIRES	PERMITTED FLOW (gal/day)	COUNTY	Longitude	Latitude
1994	NC0032379	Jay Vee Apartments	Tuckasegee River	-	12/17/92	-	-	Jackson	83° 10' 30.00" W	35° 19' 35.00" N
1994	NC0032638	Sylva WTP	UT Fisher Creek	-	03/22/93	-	-	Jackson	83° 11' 53.99" W	35° 24' 24.98" N
1994	NCG530086	Rough Butt Trout Farm	Rough Butt Creek	-	11/01/93	-	-	Jackson	83° 2' 21.01" W	35° 19' 31.01" N
1994	NCG550374	Cullowhee Valley Baptist Church	Tilley Creek	-	11/01/93	-	-	Jackson	83° 11' 20.00" W	35° 16' 55.99" N
2001	NC0039578	Jackson County WWTP	Tuckasegee River	Municipal Wastewater Discharge - Large	3/30/98	10/31/02	1500000	Jackson	83° 14' 22.00" W	35° 20' 59.00" N
2001	NC0074624	Western Carolina Univ- WTP	Tuckasegee River	Water Plants and Water Conditioning Discharge	2/16/98	11/30/02	500	Jackson	83° 10' 38.00" W	35° 18' 55.00" N

**Table 4. NPDES Permits - Tuckasegee River Basin (West Fork By-Pass, upstream of the Thorpe Project discharge)**

Data Source	PERMIT #	FACILITY	RECEIVING STREAM	TYPE	DATE ISSUED	DATE EXPIRES	PERMITTED FLOW (gal/day)	COUNTY	Longitude	Latitude
2001	NC0038687	Singing Waters Camping Resort	Trout Creek	Discharging 100% Domestic < 1MGD	5/29/98	11/30/02	7500	Jackson	83° 7' 30.00" W	35° 13' 7.00" N

**Table 5. NPDES Permits - Tuckasegee River Basin (West Fork, upstream of Lake Glenville dam)**

Data Source	PERMIT #	FACILITY	RECEIVING STREAM	TYPE	DATE ISSUED	DATE EXPIRES	PERMITTED FLOW (gal/day)	COUNTY	Longitude	Latitude
1994	NC0071510	Glen Lake Development Corporation	Glenville Lake	-	12/17/92	-	-	Jackson	83° 8' 26.99" W	35° 9' 47.02" N
1994	NC0075981	Old Glenville School Bed & Breakfast; Inc.	Glenville Lake	-	12/17/92	-	-	Jackson	83° 8' 10.00" W	35° 10' 5.02" N
2001	NC0059200	Trillium Links & Village LLC	Glenville Lake	Discharging 100% Domestic < 1MGD	3/9/98	11/30/02	20000	Jackson	83° 7' 59.00" W	35° 8' 47.00" N
2001	NC0066958	Blue Ridge School	Hurricane Creek (Hurricane Lake)	Discharging 100% Domestic < 1MGD	3/30/98	10/31/02	10000	Jackson	83° 7' 20.00" W	35° 7' 40.00" N
2001	NC0075736	Whiteside Estates Incorporated	Grassy Camp Creek	Discharging 100% Domestic < 1MGD	3/31/98	10/31/02	100000	Jackson	83° 9' 13.00" W	35° 6' 47.00" N