

4.2.N. 06010201270.

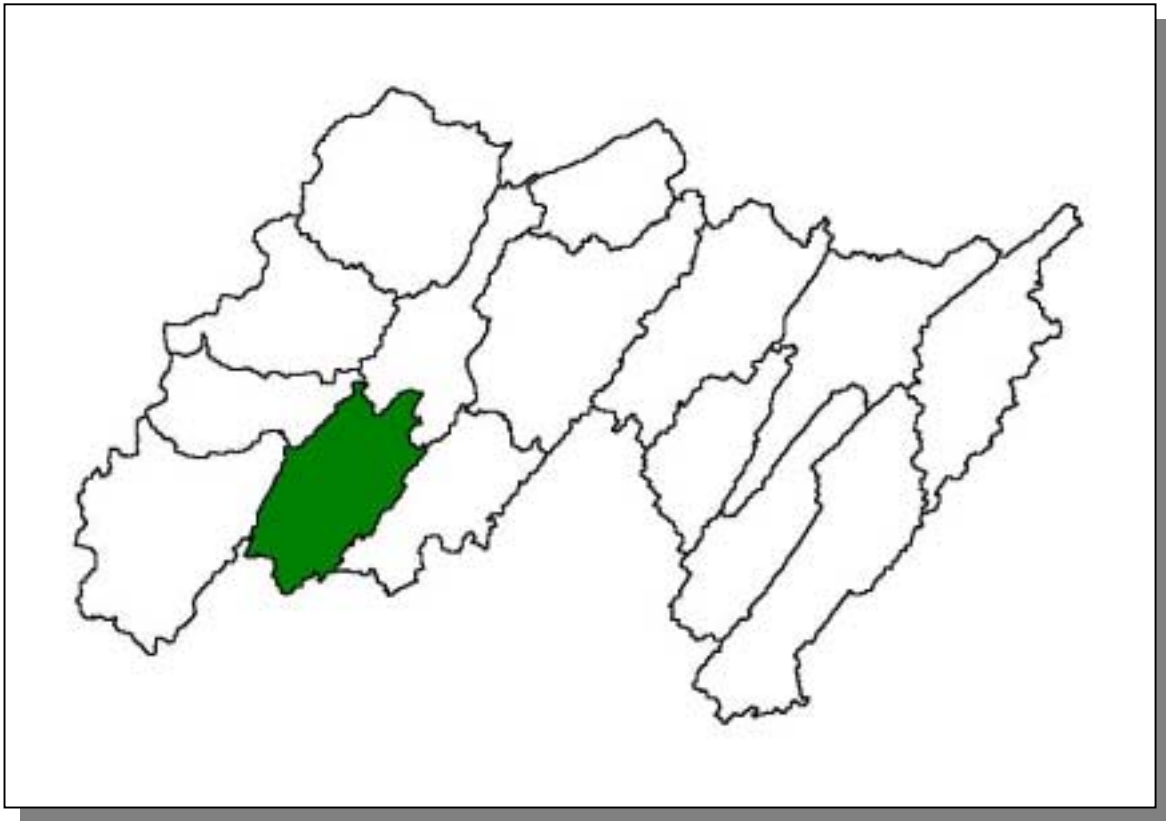


Figure 4-71. Location of Subwatershed 06010201270. All Watts Bar HUC-14 subwatershed boundaries are shown for reference.

4.2.N.i. General Description.

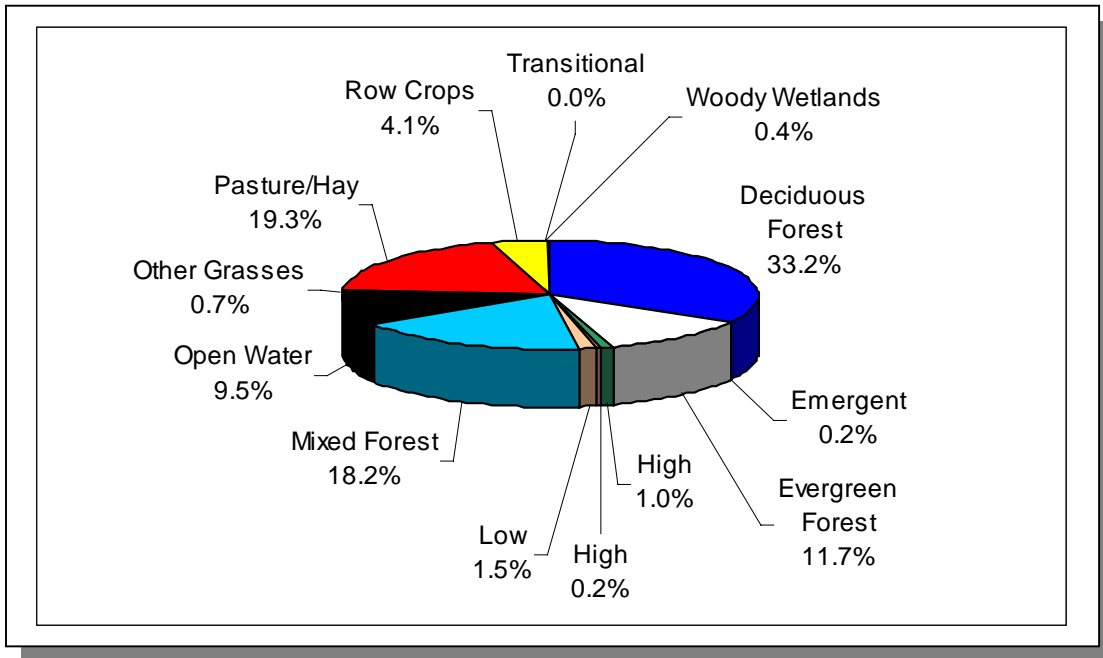


Figure 4-72. Land Use Distribution in Subwatershed 06010201270. More information is provided in Watts Bar-Appendix IV.

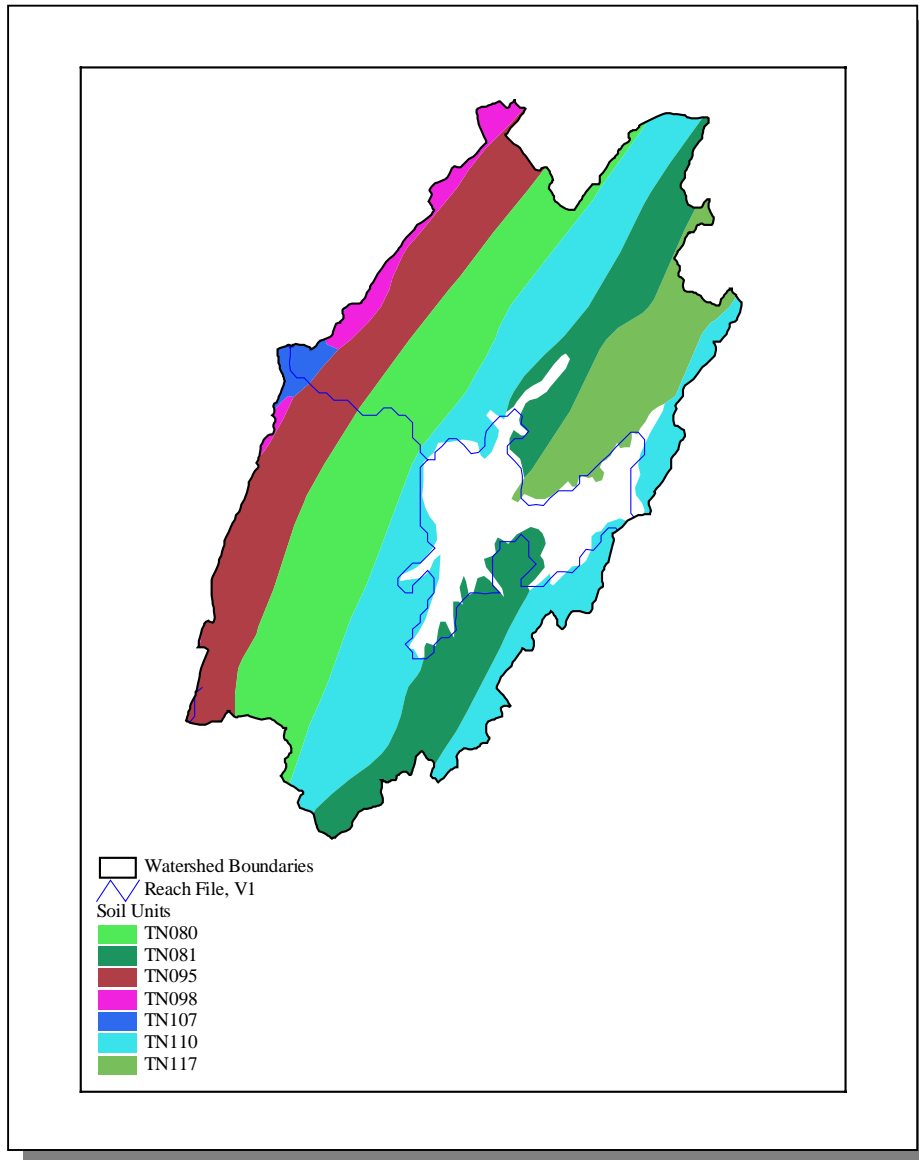


Figure 4-73. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06010201270.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN080	1.00	C	1.38	5.16	Loam	0.35
TN081	2.00	C	1.41	5.48	Silty Loam	0.35
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	1.00	C	3.98	4.82	Loam	0.32
TN107	1.00	C	6.34	4.84	Loam	0.28
TN110	0.00	B	2.22	4.96	Loam	0.31
TN117	1.00	C	2.06	5.16	Loam	0.37

Table 4-87. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06010201270. More details are provided in Watts Bar-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Rhea	24,344	27,672	12.47	3,037	3,452	13.7

Table 4-88. Population Estimates in Subwatershed 06010201270.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Spring City	Rhea	2,199	967	741	224	2

Table 48-90. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 06010201270.

4.2.N.ii Point Source Contributions.

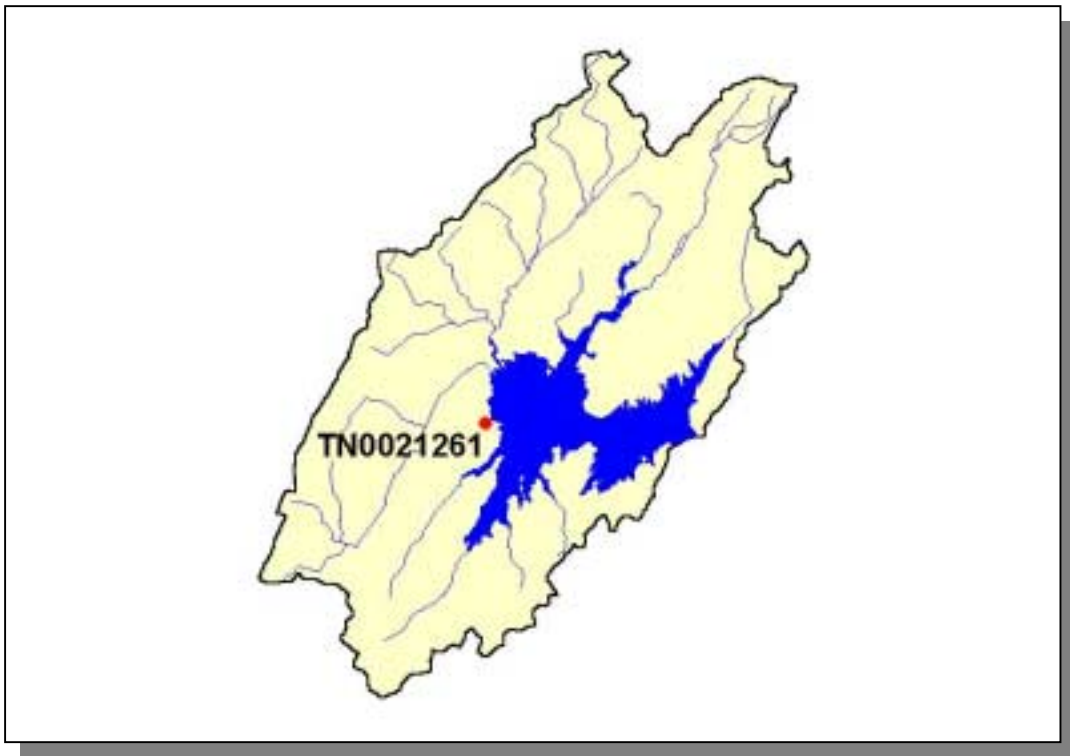


Figure 4-74. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 06010201270. More information, including the names of facilities, is provided in Watts Bar-Appendix IV.

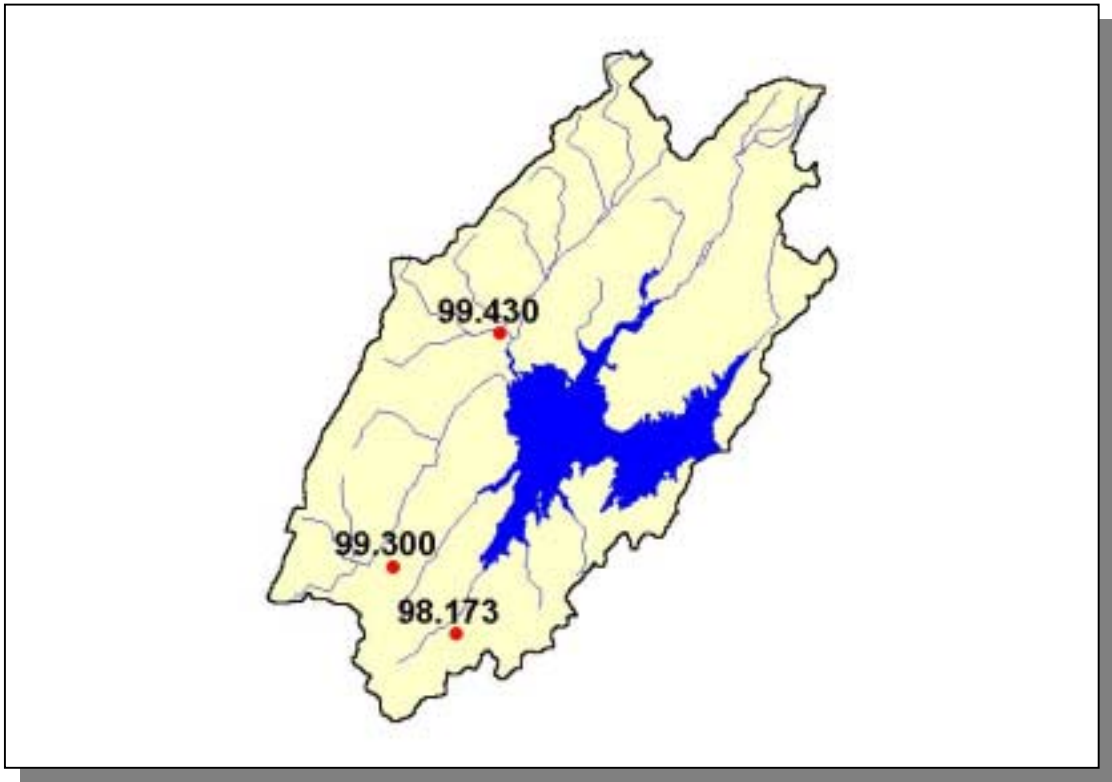


Figure 4-75. Location of ARAP Sites (individual Permits) in Subwatershed 06010201270. More details may be found in Watts Bar-Appendix IV.

4.2.A.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List

There is one NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 06010201270:

- TN0021261 discharges to Piney River Embayment of Watts Bar Reservoir



Figure 4-76. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 06010201270. The names of facilities are provided in Watts Bar-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN	QLTA
TN0021261				0.9	0.778

Table 4-90. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06010201270. Data are in million gallons per day (MGD). 30Q2 data were obtained by using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD ₅	FECAL	METAL	WET
TN0021261	X	X	X	X

Table 4-91. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06010201270.

PERMIT #	Hg	Cu	Pb	Cd
TN0021261	X	X	X	X

Table 4-92. Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06010201270.

4.2.N.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)				
Beef Cow	Cattle	Milk Cow	Chickens	Hogs
947	2,144	122	<5	146

Table 4-93. Summary of Livestock Count Estimates in Subwatershed 06010201270. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Rhea	126.5	126.4	1.7	4.7

Table 4-94. Forest Acreage and Annual Removal Rates (1987-1994) in Subwatershed 06010201270.

CROP	TONS/ACRE/YEAR
Grass, Forbs, Legumes (Mixed Pasture)	0.25
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.21
Corn (Row Crops)	0.59
Soybeans (Row Crops)	4.06
Wheat (Close Grown Cropland)	8.50
Legume Grass (Hayland)	0.07
Grass (Pastureland)	0.44
Forest Land (Grazed)	0.00

Table 4-95. Annual Estimated Total Soil Loss in Subwatershed 06010201270.