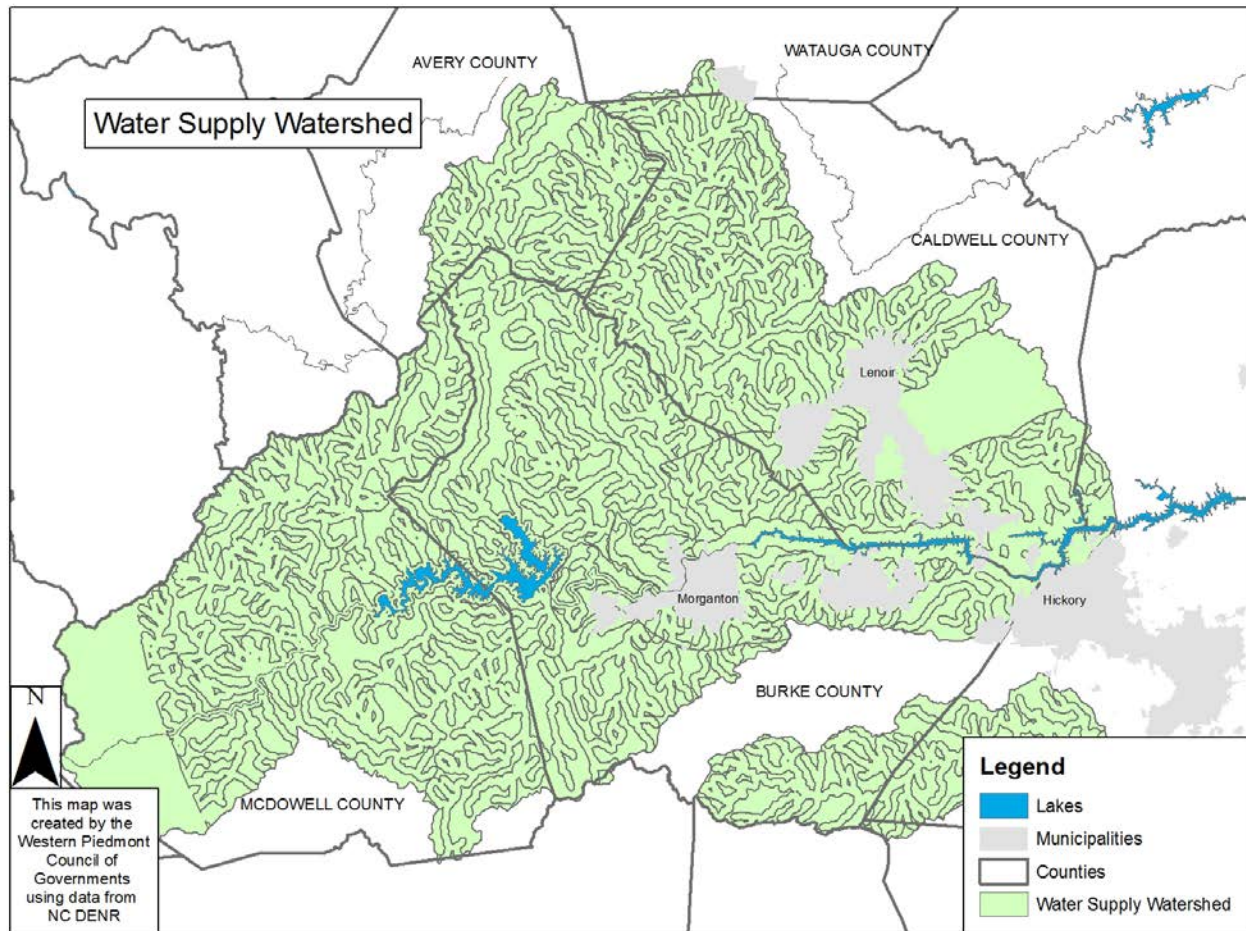


# Western Piedmont Source Water Protection Plan



Western Piedmont Council of Governments



June 2014

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# 1 - Overview

Drinking water, which may be derived from ground water, surface water, or both, is vulnerable to contamination. If the drinking water source is not protected, contamination can place the public's health in danger and cause a community significant expense. Cleaning up contamination or finding a new source of drinking water is complicated, costly and sometimes impossible. Consequently, preventing contamination of drinking water source makes sense from an economic as well as a public health and environmental standpoint.

Source water is untreated water from lakes, streams, reservoirs or ground water that is used as a drinking water supply. Source water quality can be threatened by everyday activities and land uses, ranging from industrial wastes to the chemicals applied to lawns. Source Water Protection (SWP) is the process of identifying and managing potential sources of contamination that may impact a drinking water supply. The ultimate goal of SWP is to prevent contaminants from entering a source of public drinking water (NC DEQ 2006).

The purpose of the Western Piedmont Source Water Protection Plan (WPSWPP) is to build on past and current efforts within the Lake Rhodhiss and Lake Hickory Watershed; list potential contaminant sources in the Watershed, and provide new strategies and priorities that improve water quality as it relates to drinking water sources. Existing strategies from other planning projects, like the Lake Rhodhiss Watershed Management Plan and the Lower Creek Source Water Protection Plan, will be examined again within the plan. New recommendations will also be discussed, along with a new priority area within the region.

The WPSWPP will provide methods to address previously known water quality issues (nutrients and fecal coliform) as well as previously unaddressed contaminants to drinking water in the Lower Creek Watershed from potential contaminant sources provided by NC DEQ's Drinking Water Protection branch.

The WPSWPP will assist in protecting five public water drinking sources, including Granite Falls, Lenoir, Valdese, Morganton, and Hickory. Table 1 shows the five systems along with the retail population served and their lake location.

**Table 1: Public Drinking Water Sources**

<b>System</b>	<b>Retail Served</b>	<b>Population</b>	<b>Location</b>
Morganton		25,018	Lake Rhodhiss
Valdese		13,750	Lake Rhodhiss
Lenoir		21,820	Lake Rhodhiss
Granite Falls		6,445	Lake Rhodhiss
Hickory		57,848	Lake Hickory

DWR Drinking Water Protection Branch SWAP reports

**Map 1: Lake Rhodhiss Public Water Intakes**



There are currently a total of six intakes in Lake Rhodhiss and Lake Hickory, those mentioned above, as well as Longview's intake, which has not been in use since 2014. Map 1 shows the five active systems along with Longview.

## **2 – Project Planning Area**

### **2.1 – Lake Rhodhiss Watershed**

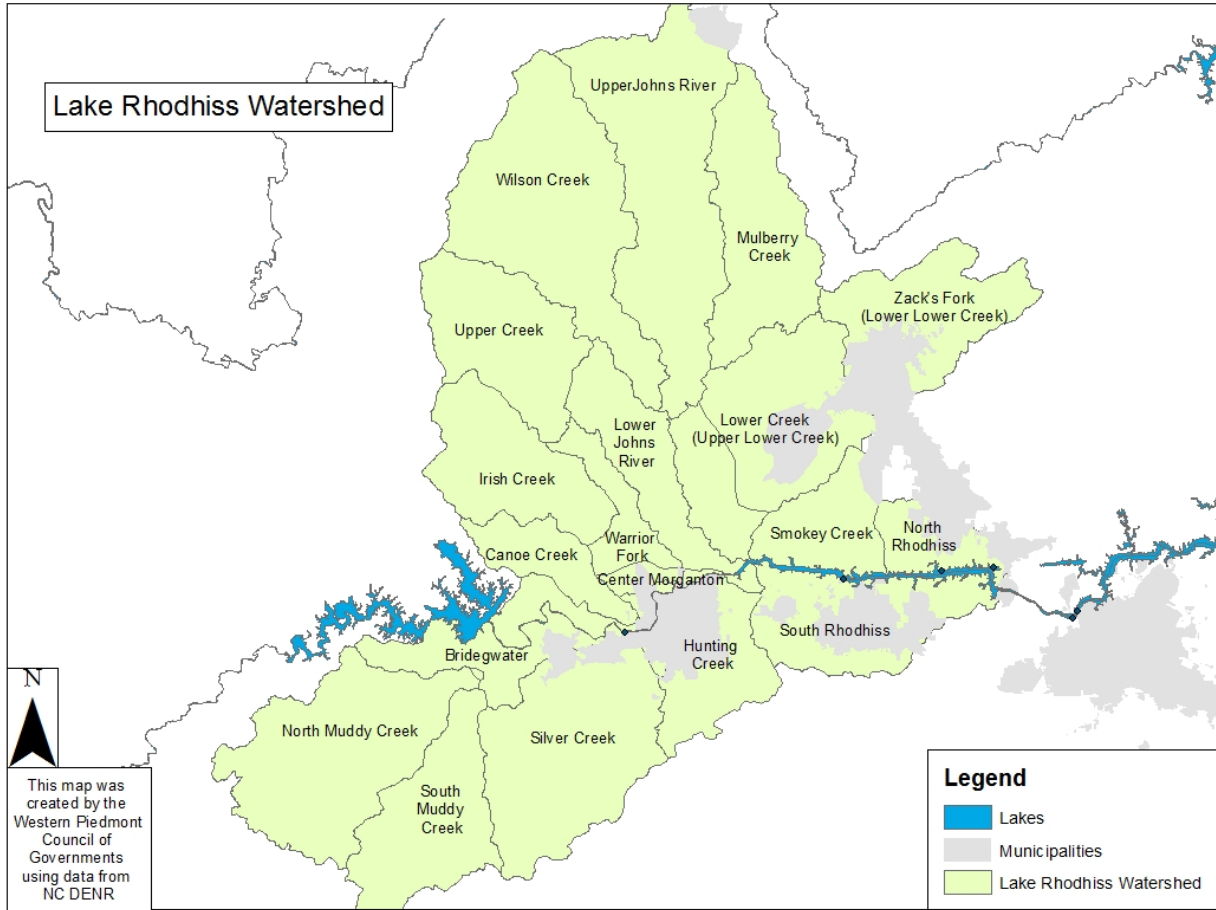
Lake Rhodhiss is a 3,515-acre reservoir located on the Catawba River in western North Carolina. This lake lies within Burke and Caldwell Counties and is a run-of-the-river reservoir located on the Catawba River downstream of Lake James and upstream of Lake Hickory. It was impounded in 1925 by Duke Energy for generating hydroelectric power. Four municipalities, Morganton, Granite Falls, Lenoir, and Valdese, have public water intakes located along the lake. Water from the lake is also used industrial water supply, recreation, and habitat for fish and wildlife species.

The watershed area of Lake Rhodhiss is 710 square miles in size, and the lake has the greatest watershed/surface area ratio of any North Carolina impoundment along the Catawba River. This means that there is a lot of land surface area compared to little lake surface area, so there is greater chance for water to accumulate contaminants. Topography and soils vary considerably within the watershed. The northern portion of this watershed is very rural and undeveloped and contains substantial federal land holdings. Urban areas are generally concentrated in Lenoir and Morganton, as well as along the I-40 and US 70 corridors between Morganton and the unincorporated Icard area of Burke County. Development activities are concentrated along these corridors.

Much of the northwestern portion of the watershed is within the Pisgah National Forest and many of the headwater tributaries are native trout waters designated as High Quality Waters. The 23 miles of Wilsons Creek, from its headwaters on Grandfather Mountain to its confluence with the Johns River was designated as a National Wild and Scenic River. The Johns River watershed contains some high quality areas, but also has widespread agricultural land use along the river valley.

Muddy Creek in the southwestern watershed is severely impacted by erosion and sedimentation due to past land use practices. The sediment load from this watershed impacts Muddy Creek and the Catawba River from just downstream from Lake James to Lake Rhodhiss, including the Morganton water supply intake. Urban development and runoff from Lenoir and Morganton have impacted several tributaries in the southeastern portion of the watershed including Lower and Hunting Creeks.

**Map 2: Lake Rhodhiss Watershed**

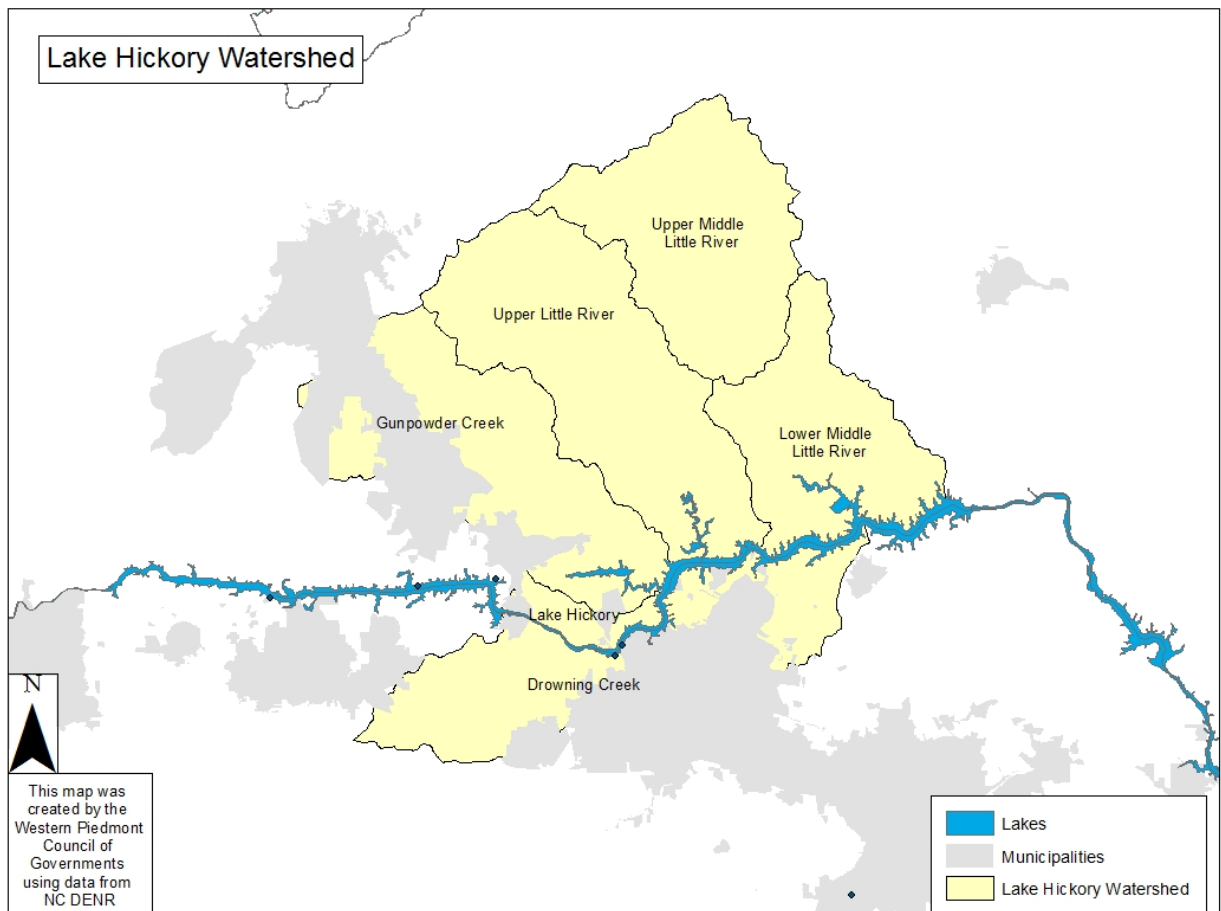


## 2.2 – Lake Hickory Watershed

The Lake Hickory Watershed is approximately 220 square miles in area. About half of the drainage area is forested and another one-third is agricultural. Hickory is the only major city in this portion of the watershed. Lake Hickory is a 4,100 acre run-of-river impoundment located between Lake Rhodhiss and Lookout Shoals Reservoir on the Catawba River. The lake, owned by Duke Power, was filled in 1928 and is used for hydropower generation, recreation and water supply purposes. The major tributaries into Lake Hickory are Middle Little River and Gunpowder Creek, both of which transport large amounts of sediment.

The entire lake is classified as a water supply. Currently, water quality is generally good, but sedimentation from tributaries in the watershed and increasing development threaten water quality. About 51% of the 106 miles of shoreline is developed, mainly by single-residence homes. Natural habitat is becoming scarce and the need for additional recreation sites is increasing as development increases (Catawba River Natural Resources Plan, DEQ 2001).

**Map 3: Lake Hickory Watershed**

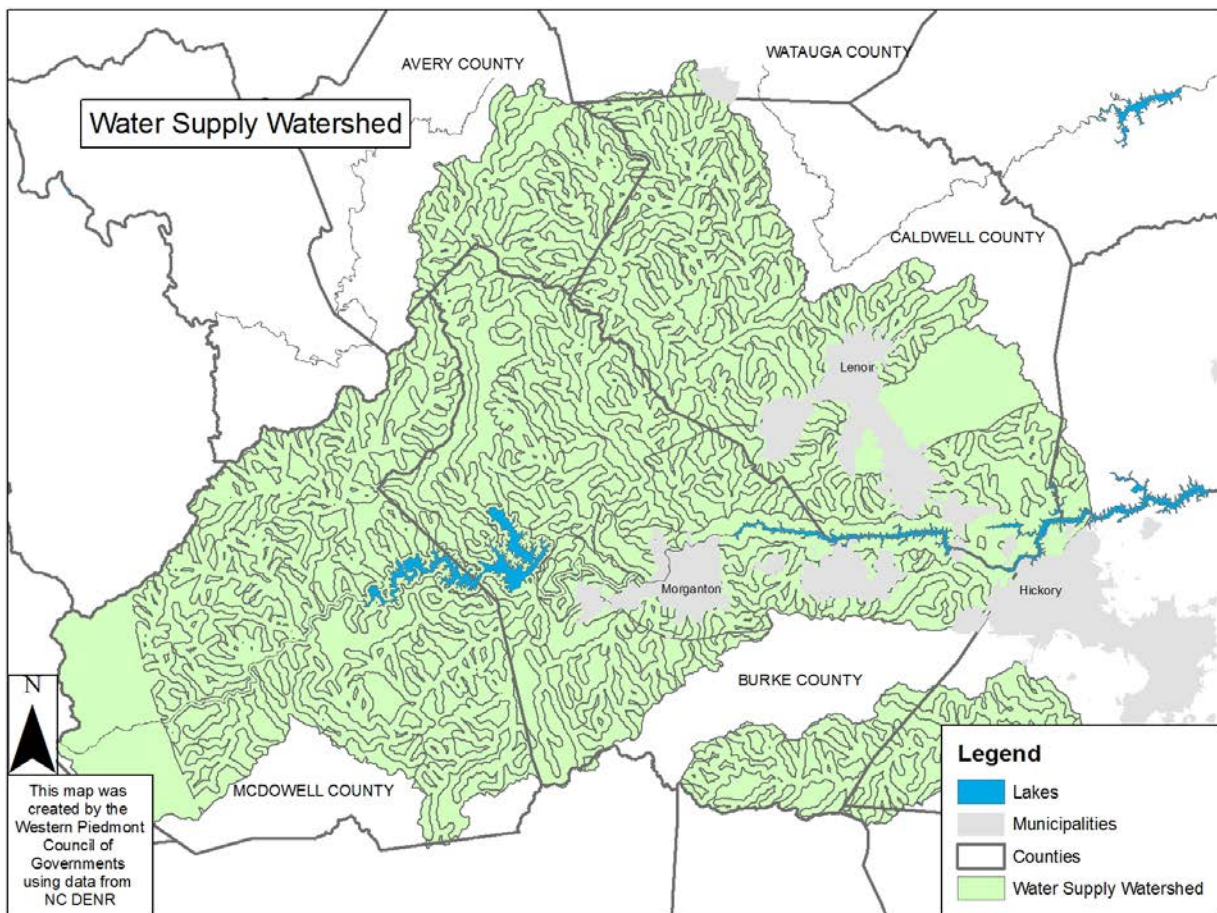




## 2.3 – Source Water Watershed Boundaries

The term “watershed” generally describes the entire drainage area of a body of water (stream or lake). Contaminants, if released to the environment, can reasonably be expected to move across the land surface following the path of overland flow or shallow subsurface flow in the watershed and into the surface water body. “Water supply watersheds” are units of study used when conducting source water assessments for drinking water purposes. The regional “water supply watershed” referred to in this study is actually composed of two smaller watersheds—the Lake Hickory and Lake Rhodhiss watersheds. Both lakes have public drinking water intakes. Lake Hickory intakes serve Hickory and Long View, and Lake Rhodhiss intakes serve Morganton, Valdese, Lenoir, Granite Falls and their surrounding populaces.

**Map 4: Source Water Watershed Boundaries**

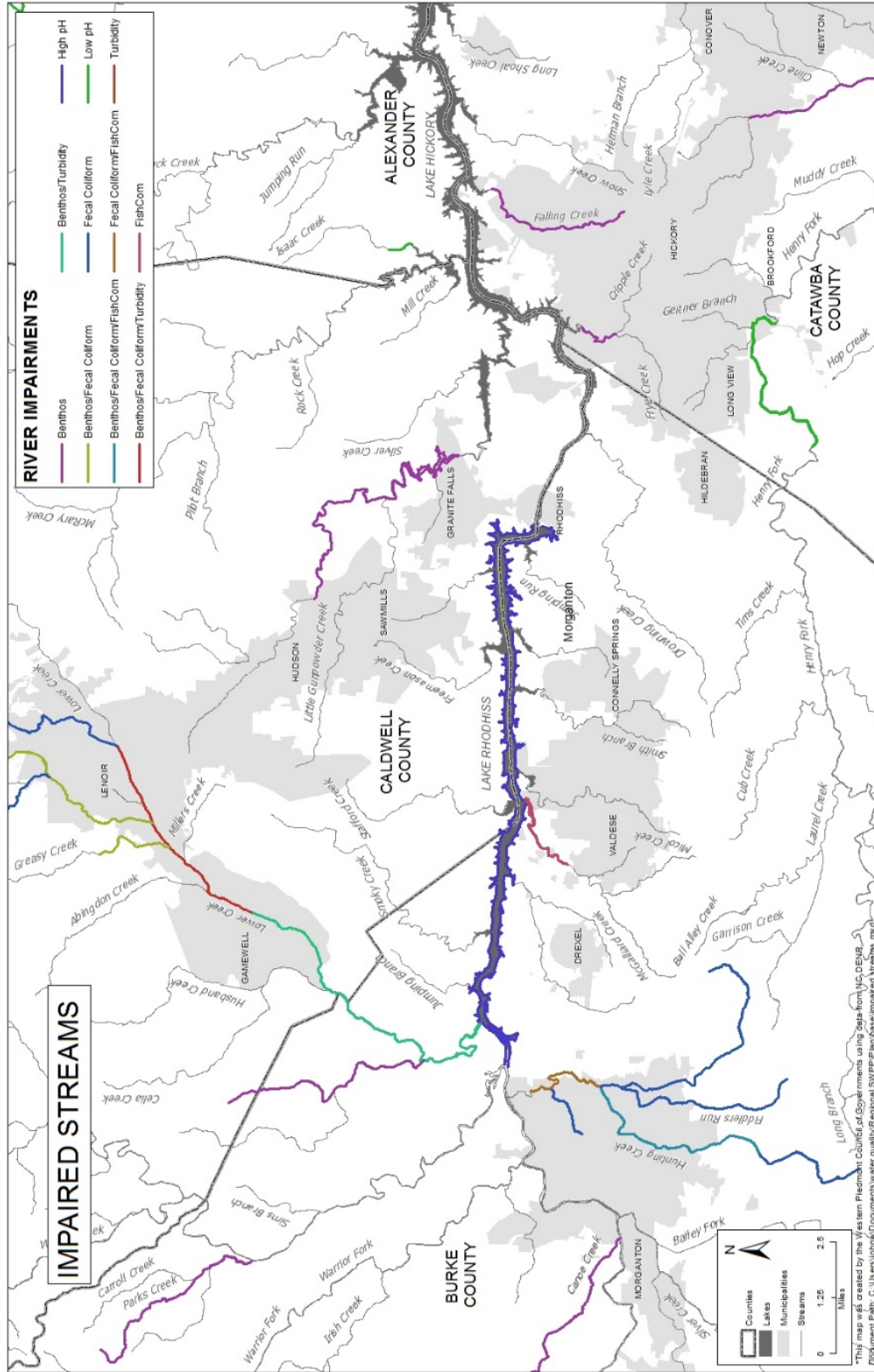


## 2.4 – Impaired Streams in the Watershed

The federal Clean Water Act requires states to develop a 303(d) list identifying waters not meeting water quality standards. This list, developed every two years, identifies all the impaired lakes and streams found in the state. Waters are placed on this list regardless of whether the source of pollution is known and whether the pollution sources can be legally controlled or acted upon by the state.

Currently several streams within the Lake Rhodhiss and Lake Hickory watershed are listed as impaired by North Carolina Department of Water Quality (DWR) and EPA. In 2006, Lake Rhodhiss was added to this national impaired waters 303(d) list. The impairment was triggered by pH values exceeding numerical standards. High pH and other water quality indicators relate back to excessive nutrient loading, especially phosphorus. The lake is currently more eutrophic (fertile, biologically active) than desirable for a drinking water source. Thankfully there is no human health concerns based upon this water quality condition. In fact, according to NC Wildlife Resource Commission (WRC) Biologists, Lake Rhodhiss offers some of the best sports fishing and highest fish growth rates in the Catawba River chain of lakes directly because of its fertility.

Map 5: Impaired Streams



### **3 – Planning Process**

The *Western Piedmont Source Water Protection Plan* was developed by the Western Piedmont Council of Governments using input from groups such as the Technical Advisory Committee and the Water Resources Committee, and using data provided by NC DEQ, Caldwell County Soil and Water, the NC Ecosystem Enhancement Program and the Western Piedmont Council of Governments.

The heart of the *Western Piedmont Source Water Protection Plan* is recommended strategies for education and outreach, planning and policy, restoration and preservation, and research and monitoring. Section 8 of this plan includes all the recommendations together in summary and tabular form for quick reference

#### **3.1 – Planning Team**

The Planning Team consists of staff from the Western Piedmont Council of Governments (WPCOG). This Committee met to develop the project and to monitor its progress. The Planning Team for this project include:

- John E. Wear III, AICP, Environmental Planner, Western Piedmont Council of Governments
- Taylor Dellinger, GISP, Data Analyst and Geographer, Western Piedmont Council of Governments
- Todd Stroupe, GIS Technician, Western Piedmont Council of Governments
- Elinor Hiltz, AICP, Planner, Western Piedmont Council of Governments.

#### **3.2 – Technical Advisory Committee**

The Technical Advisory Committee was comprised of representatives from each of the local governments that have an intake in Lake Rhodhiss or Lake Hickory including: department staff from Planning, Community Development, and Public Works, from Granite Falls, Lenoir, Valdese, Morganton, Hickory and Long View. The Technical Advisory Committee reviewed and approved the recommendations made in this plan, including the priority area and the strategies laid out in Section 8. Technical Advisory Committee members were satisfied with the final recommendations and priority areas as presented.

### 3.3 – Water Resources Committee

The *Western Piedmont Source Water Protection Plan* has been reviewed by the Water Resource Committee, which is the key interface used by the Western Piedmont Council of Governments (WPCOG) to interact with local governments on the issue of water resources. Formed in 1986, this Committee is staffed by the WPCOG and serves in an advisory role for 30 local governments within the Greater Hickory Metro on issues including water quality, water supply, water safety and recreation, and watershed issues within the Upper Catawba River Basin. The Water Resources Committee consists of individuals representing local governments, nonprofit organizations, educational institutions and businesses from Alexander, Burke, Caldwell, and Catawba Counties in Western North Carolina.

The Water Resources Committee currently meets quarterly. Recommendations and priority areas from the Plan were presented to the Water Resource Committee at multiple meetings during the course of the project. The Water Resources Committee was satisfied with the final recommendations and priority areas as presented and voted to approve the draft plan. Staff from NC DEQ's Drinking Water Protection Program were also present at meetings to give an overview of the Source Water Plan process.

## **4 – Existing Planning Efforts in the Watershed**

### **4.1 – The Lake Rhodhiss Watershed Management Plan**

Nearly a decade ago, DWR realized the need to develop a nutrient management plan for Lake Rhodhiss (NC DWR, 1999). In the 2004 Catawba Basinwide Plan, DWR recommended that a locally developed watershed management plan for Lake Rhodhiss be produced as a first step toward reducing future nutrient loadings to the reservoir. In 2005, Carolina Land and Lakes Resource, Conservation and Development, a non-profit natural resource management organization headquartered in Catawba County, applied for a grant to begin this process. In 2007, funding was secured from multiple sources to develop a watershed restoration plan for the Lake Rhodhiss watershed. Most notably funding came from Federal 319 allocations, NC Clean Water Management Trust Fund and local governments' contributions through Water Quality dues managed by the Western Piedmont Council of Governments. In addition, a significant amount of in-kind technical assistance was donated by various agencies, non- government organizations and local governments.

This project, generally referred to as the Lake Rhodhiss Project or simply the 319 Project, had four main components: Stream Monitoring to determine Nutrient Loading; Application of Best Management Practices (BMP's) on wholesale ornamental nurseries to control pollutants; Watershed Restoration Plan Development as a roadmap for improving water quality conditions within the watershed; and Education and Outreach to better inform the general public and elected officials about water quality in the region.

Western Piedmont Council of Governments (WPCOG) staff worked primarily on the latter two objectives. The Lake Rhodhiss Watershed Management Plan is one of the results of this effort. The WPCOG worked with local stakeholders to better understand the condition of the watershed and identify opportunities for reducing inputs of nitrogen and phosphorus into the Lake from both point and nonpoint sources as well as agriculture and non-agriculture. The current planning document builds upon earlier work done by WPCOG and its partners to reduce nutrient loading to Lake Rhodhiss. Local governments were encouraged to adopt and begin implementation of the 22 recommendations in that Plan.

(See [http://catawbawatereewmg.com/2009/20090722\\_Rhodhiss\\_Nutrient\\_Loading.pdf](http://catawbawatereewmg.com/2009/20090722_Rhodhiss_Nutrient_Loading.pdf)).

### **4.2 – The Lower Creek Watershed Management Plan**

In 1998, the Western Piedmont Council of Governments published the Lower Creek Watershed Plan which documented water quality problems and listed watershed protection recommendations and urban stormwater recommendations. This effort included a study of fecal coliform bacteria levels, stormwater outfall mapping and benthic macroinvertebrate monitoring. Stakeholders were involved in early stages of identifying problems areas and potential management strategies.

In 2003, the North Carolina Ecosystem Enhancement Program (EEP) started follow-up planning in the Lower Creek watershed. The EEP's plan was to expand on the efforts of the previous work, developing more information on the health of streams in the watershed and identifying causes of degradation. Its goals were: (1) to assess stream quality in the watershed, identifying key sources of degradation and pollution, and (2) to develop a comprehensive strategy to address watershed needs. The NC EEP's Lower Creek Watershed Management Plan is the result of three years of effort involving in-stream data collection on water quality, habitat, and channel stability; Geographic Information System (GIS) data analysis; and development of ecologically and locally relevant management strategies to restore and preserve stream health. A Technical Advisory Committee (TAC) aided the planning team in reviewing data, identifying plan recommendations and developing implementation priorities. The TAC, comprised of natural resource and planning staff from Lenoir, Caldwell and Burke Counties, non-profit organizations and regional and state government entities, was essential to the development of a watershed plan that incorporates priorities of the local communities.

The Lower Creek Advisory Team (LCAT) was formed in August of 2006 at the end of the EEP local watershed planning (LWP) initiative. The LCAT was established as a subgroup of Caldwell County Pathways and represents a continuation of the Lower Creek Technical Advisory Committee (TAC) that supported earlier phases of the LWP effort. The LCAT mission, as determined at its first official meeting in September 2006, is: *"To restore and protect Lower Creek and its tributaries, while increasing public awareness of local water quality issues."* (Further information on the Lower Creek Watershed Enhancement Effort can be found on their website at: [http://204.211.224.29/lowercreek2/.](http://204.211.224.29/lowercreek2/))

#### 4.3 – The Lower Creek Source Water Protection Plan

The purpose of the Lower Creek Source Water Protection Plan (LCSWPP) was to build on the Lower Creek Watershed Management Plan that was written in 2006 by providing updated information on monitoring; listing Potential Contaminant Sources in the Watershed, and providing new strategies and priorities in the watershed that improve water quality for drinking water sources. The plan acts as a first step for the larger, more comprehensive Source Water Protection Plan for the region.

The LCSWPP provided methods to address previously known water quality issues (nutrients and fecal coliform) as well as previously unaddressed contaminants to drinking water in the Lower Creek Watershed. Existing strategies in the Lower Creek Watershed Management Plan also relate to source water protection, so they were further emphasized in the new LCSWPP. The plan also re-emphasized priority projects from the Lower Creek Watershed Management Plan, and provided updates on what had been accomplished so far as well as recommending new strategies that apply directly to Source Water Protection.

The LCSWPP will protect the three public water drinking sources that draw from Lake Rhodhiss-Granite Falls, Lenoir, and Valdese.

#### 4.4 – The Muddy Creek Watershed Restoration Initiative

The Muddy Creek Watershed Restoration Initiative began in 1998. Members of the partnership included the McDowell Soil and Water Conservation District, McDowell County, Burke County, City of Marion, NC Cooperative Extension Service, Natural Resources Conservation Service, NC Wildlife Resources Commission, Duke Energy Corporation, Trout Unlimited, Foothills Conservancy of North Carolina, Carolina Land and Lakes Resource Conservation and Development, and Equinox Environmental Consulting.

Activities accomplished by the initiative include natural channel design restoration, riparian reforestation and livestock exclusion on 51,200 feet of stream in the Muddy Creek watershed. The Muddy Creek Watershed Restoration Initiative resulted in a total of 23 miles (120,000 feet) of stream restoration or enhancement, one farmland preservation easement protecting one mile of stream/115 acres of farmland, and five stormwater BMP's.

#### 4.5 – The Hunting Creek Watershed Restoration Project

The Hunting Creek Watershed Restoration Project was completed in 2011 and continues to be implemented. Equinox Environmental Consulting worked with the Carolina Land and Lakes Resource Conservation and Development and the Hunting Creek Partners to develop a local watershed plan for the 25.5-square-mile Hunting Creek Watershed. This two-year project was funded by the 319 program and the Clean Water Management Trust Fund with the intention of improving the impaired section of Hunting Creek, ultimately removing it from the state impaired list. Over the past two years project partners collected fish and chemical data and walked the entire impaired section of Hunting Creek to look at potential impacts. They also identified potential stormwater BMP opportunities to implement throughout the watershed. An additional component of the project was developing a land cover classification dataset for the 25.5-square-mile watershed by digitizing land uses as seen in 2005 aerial orthophotos.



## 5 – Plan Priorities

### 5.1 – Priority Issues

During the planning process, WPCOG staff discussed the monitoring that takes place by local utilities, and what the utilities felt was the biggest issue facing drinking water in the region. The Technical Advisory Committee, made up of staff from the local governments, discussed this issue. There was consensus among the group that turbidity was a major issue, especially during large rain events.

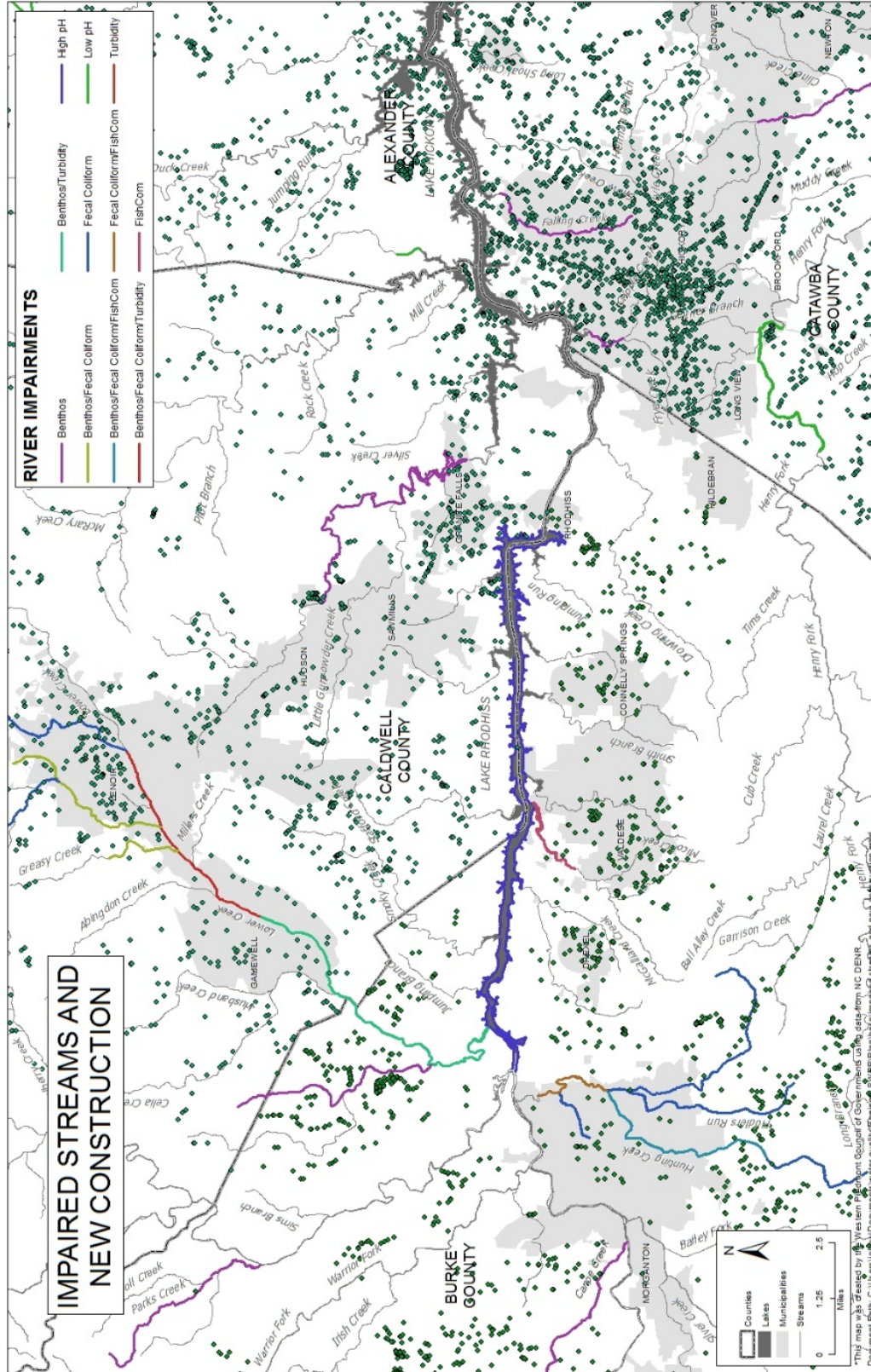
In a 2009, Carolina Land and Lakes Resource Conservation and Development contracted with Dr. Jon Knight to complete a monitoring study on Lake Rhodhiss, as part of the larger Lake Rhodhiss Project. In the study, Dr. Knight stated: *“Subwatersheds exhibiting the greatest nitrogen and phosphorus loadings for 2000 were catchments with major wastewater treatment plants present (plant discharge > 1 MGD). An examination of nitrogen and phosphorus export coefficients revealed, however, that nonpoint source contributions of nutrients was greatest from urban and mixed-use subwatersheds. Despite the rural character of the watershed, the results from this study suggest that the chief nonpoint source contributors of nutrients to this impoundment are urban sources, rather than agricultural and silvicultural contributors.”* The entire study can be found at:

[From this statement, we can infer that the Technical Advisory Committee shared the same opinion as Dr. Knight that turbidity, caused by urban runoff and erosion, was a major factor in contributing to the degradation of water quality. The waste water treatment plants, while located in the sub-basin of an impaired stream, did not contribute as significantly as these other factors. Map 6 shows the impaired streams in the region showing all construction that occurred from the 2000 to 2012. Based on this map, it appears that impaired streams occur more within areas with higher concentrations of construction. Sedimentation from construction, erosion of stream banks and urban runoff appear to be the largest contributors to impairment of these waterways.](http://catawbawatereewmg.com/2009/20090722_Rhodhiss_Nutrient>Loading.pdf</a>.</p></div><div data-bbox=)

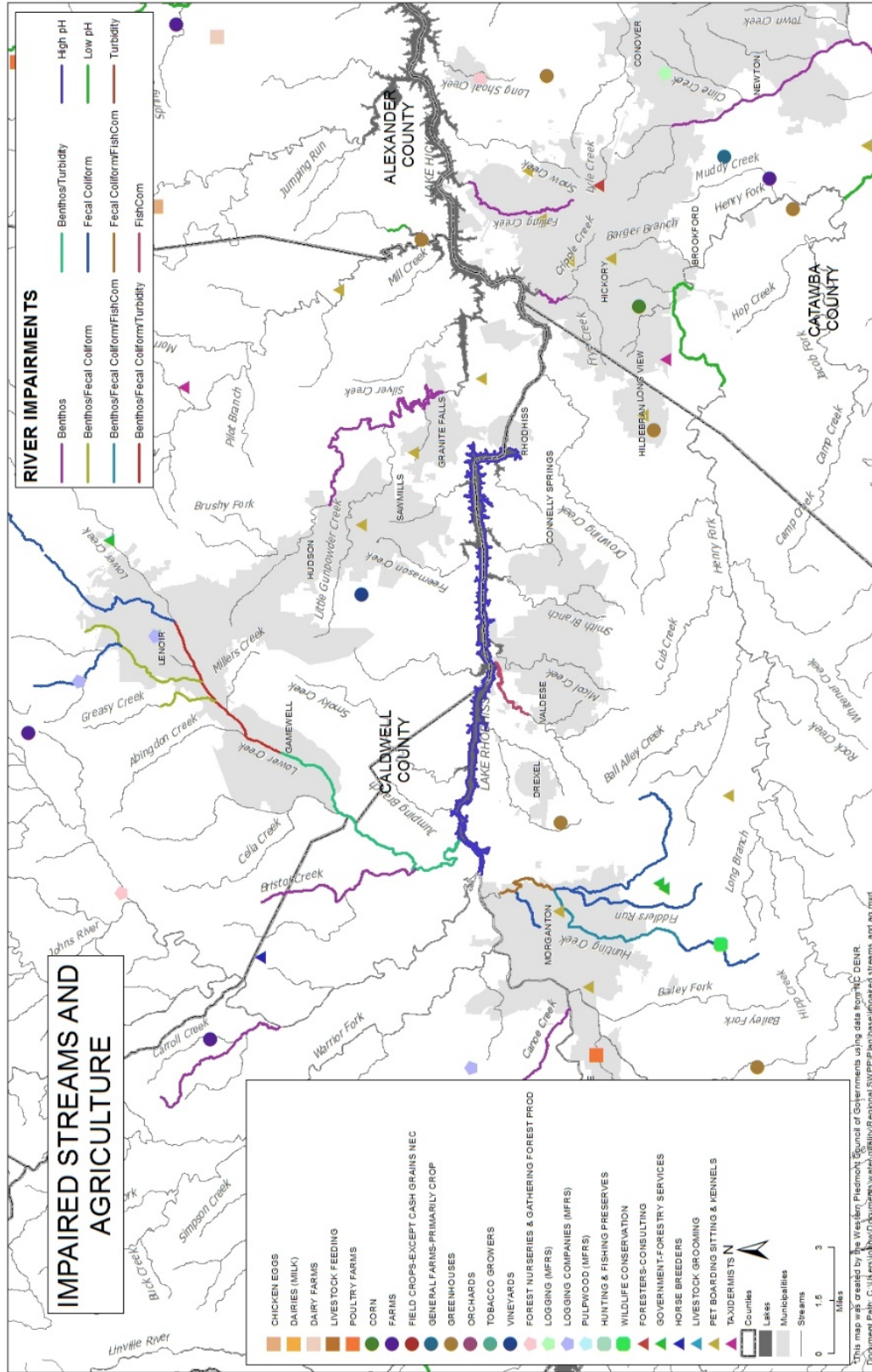
Map 7 shows the location of major agricultural industry in the region. Most of these are not located in the urban areas, and with the exception of Hunting Creek, may not have as big an impact on the impaired streams.

Map 8 shows the impaired streams once again, but with their relationship to potential contaminant sources. While not a contributing factor all of the time, contaminant sources do pose further threat to the waters and are listed in the plan for reference (see Section 6 and Appendix B). Contaminant sources and impaired streams are likely to correlate and are often found in urbanized areas.

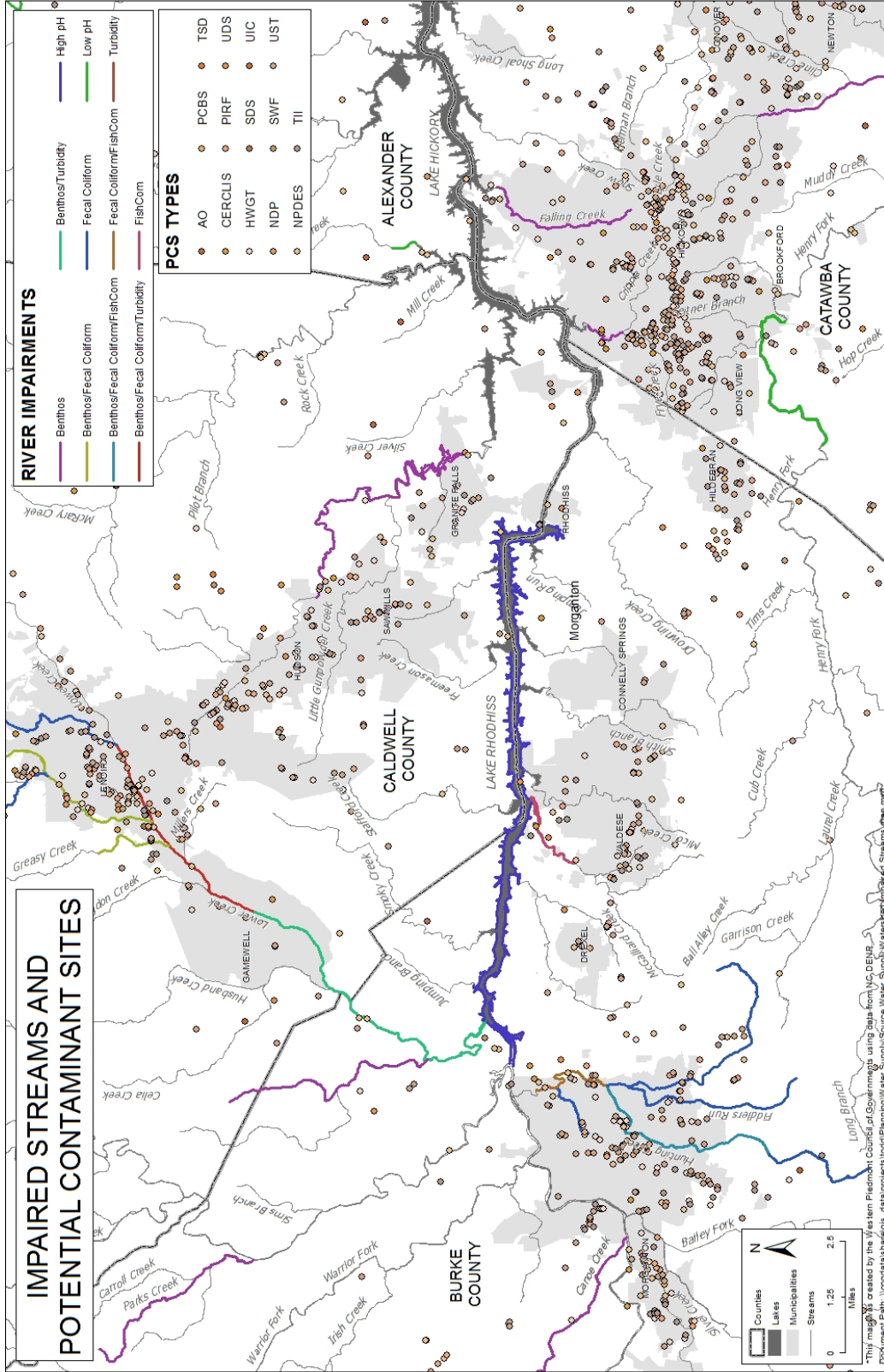
Map 6: Impaired Streams and New Construction



Map 7: Impaired Streams and Agriculture



Map 8. Impaired Streams and Potential Contaminant Sources



## 5.2 - Priority areas

The priority area for the Western Piedmont Source Water Protection Plan was determined by the Technical Advisory Committee and the Water Resources Committee. These committees agreed that the priority area should focus on three areas:

- 1) The WS IV Watershed Protected area,
- 2) Municipalities, or urbanized areas in the region,
- 3) Impaired streams that feed directly into Lake Rhodhiss and Lake Hickory.

The result of these combined factors is illustrated by Map 9.

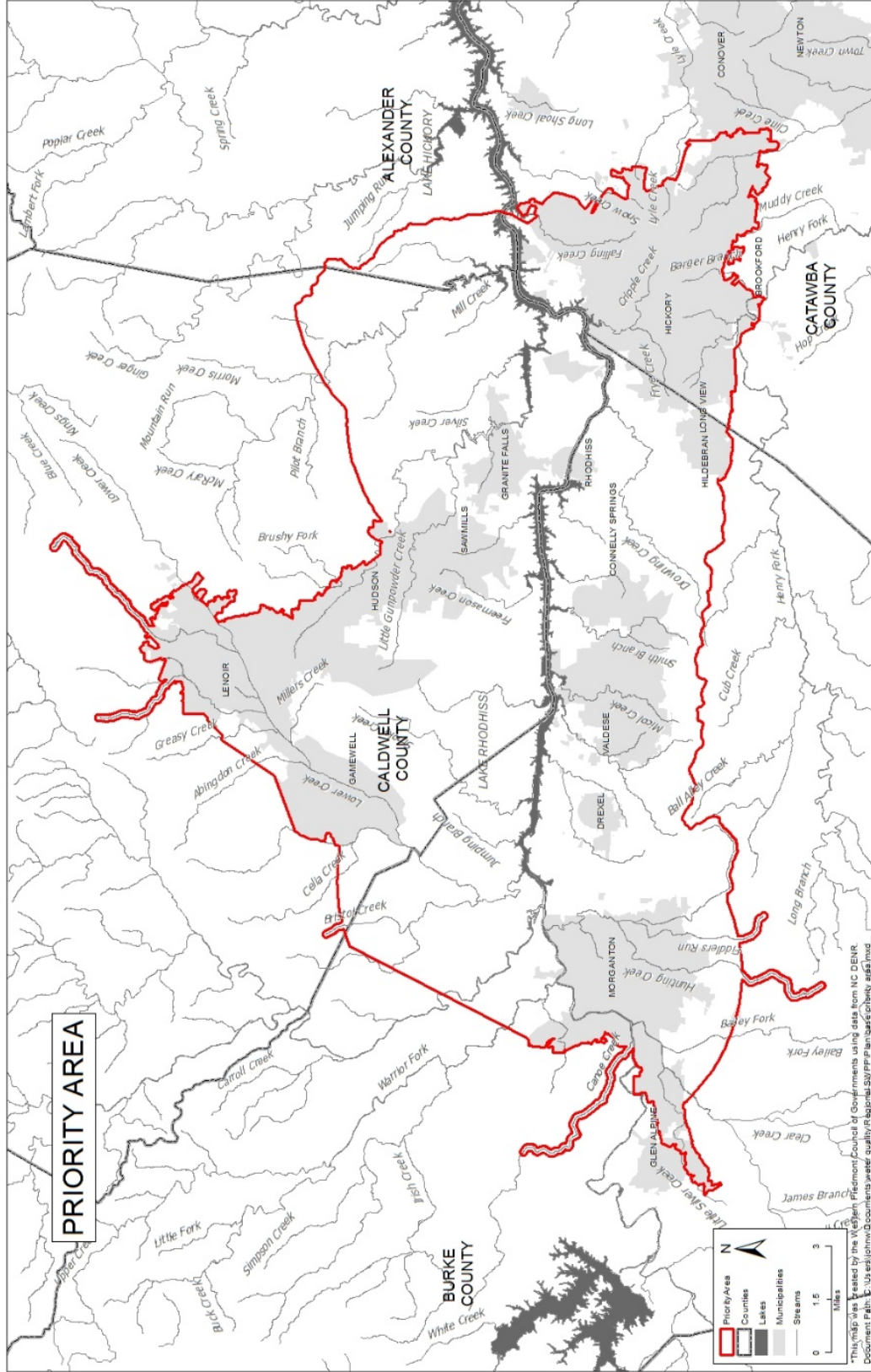
Many of the impaired streams located in the “Priority Area” have plans in place. Those are previously listed in **Section 4** of this plan. Each plan not only lists recommendations, but many include project atlases that can be referenced. The Lower Creek Watershed Plan contains a list of recommended project sites, some of which have been completed. Hunting Creek’s plan also has a project atlas, with projects that are currently in the works. Catawba and Alexander Counties have impaired streams within their limits that currently have no plans. Individual 9-element plans need to be developed along these streams so that funding for riparian buffer preservation and restoration, as well as BMP’s can be obtained more easily. The Lake Rhodhiss Watershed Plan is a 9-element plan, but only covers Burke and Caldwell Counties. No such plan exists in Catawba or Alexander Counties.

Identifying project areas for riparian restoration and preservation along impaired streams is vital for protection of impaired streams. When trying to determine which parcels get priority for this type of work, three things should be taken into account. Public agencies and organizations can be easiest to work with. Properties with a large amount of stream frontage or are in single ownership can also make it easier to obtain more riparian buffer for repair or restoration. Map 10 demonstrates types of properties along the impaired streams that would be good options. They include:

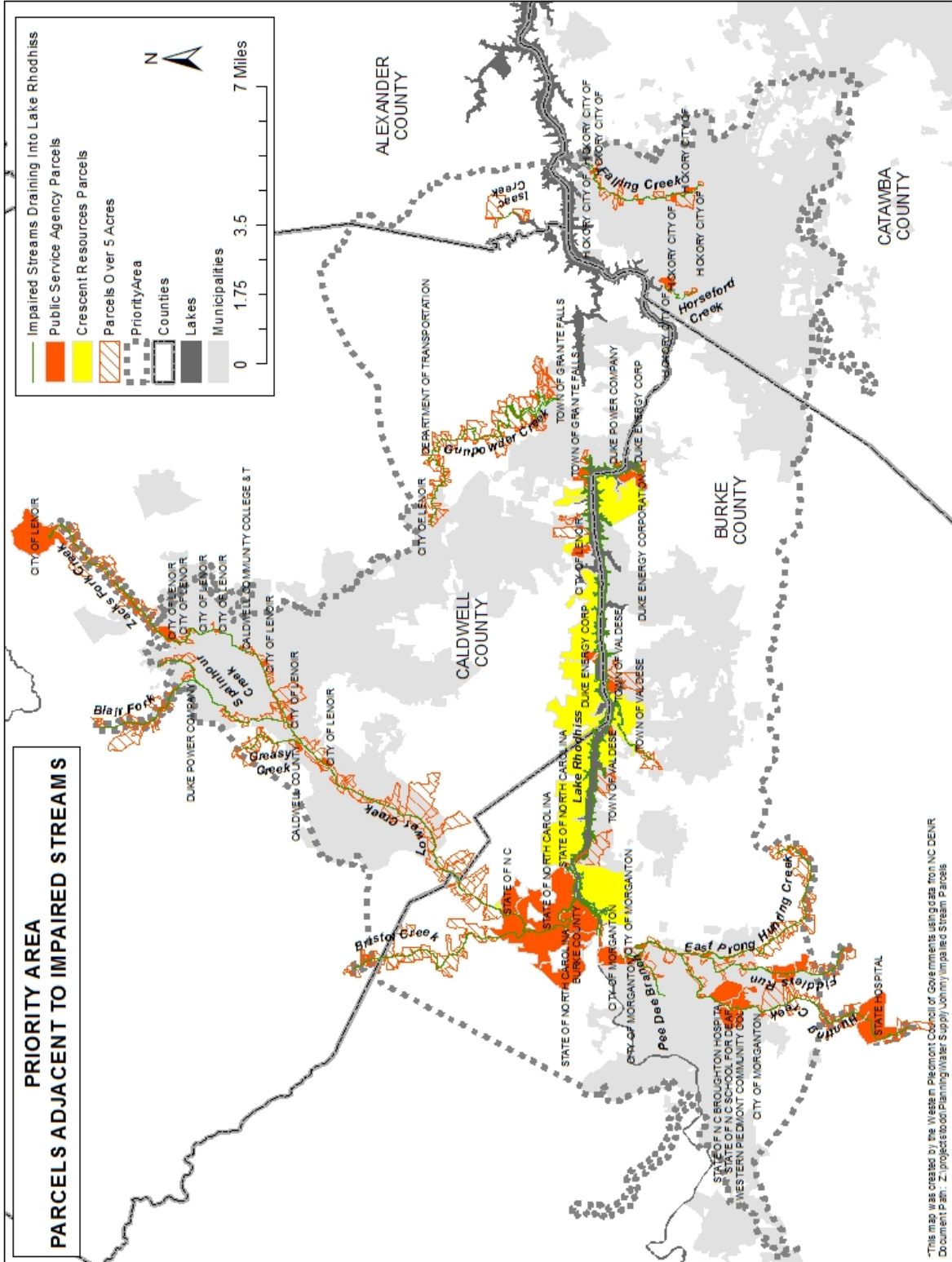
- 1) Public agency parcels – These parcels can sometimes be easier to work with if they are owned by a public entity which may be more willing to work on a riparian buffer repair or donate a conservation easement.
- 2) Parcels over five acres – The parcels identified are over five acres, however, the amount of stream frontage may vary.
- 3) Crescent Resources – Crescent Resources owns over 5,600 acres on Lake Rhodhiss.

Larger maps of these properties can be found in **Appendix A**.

Map 9: Priority Areas for the Western Piedmont Source Water Protection



Map 10: Priority Area Parcels Adjacent to Impaired Streams



## **6 - Potential Contamination Sources (PCS)**

### **6.1 – Source Water Assessment Program Report**

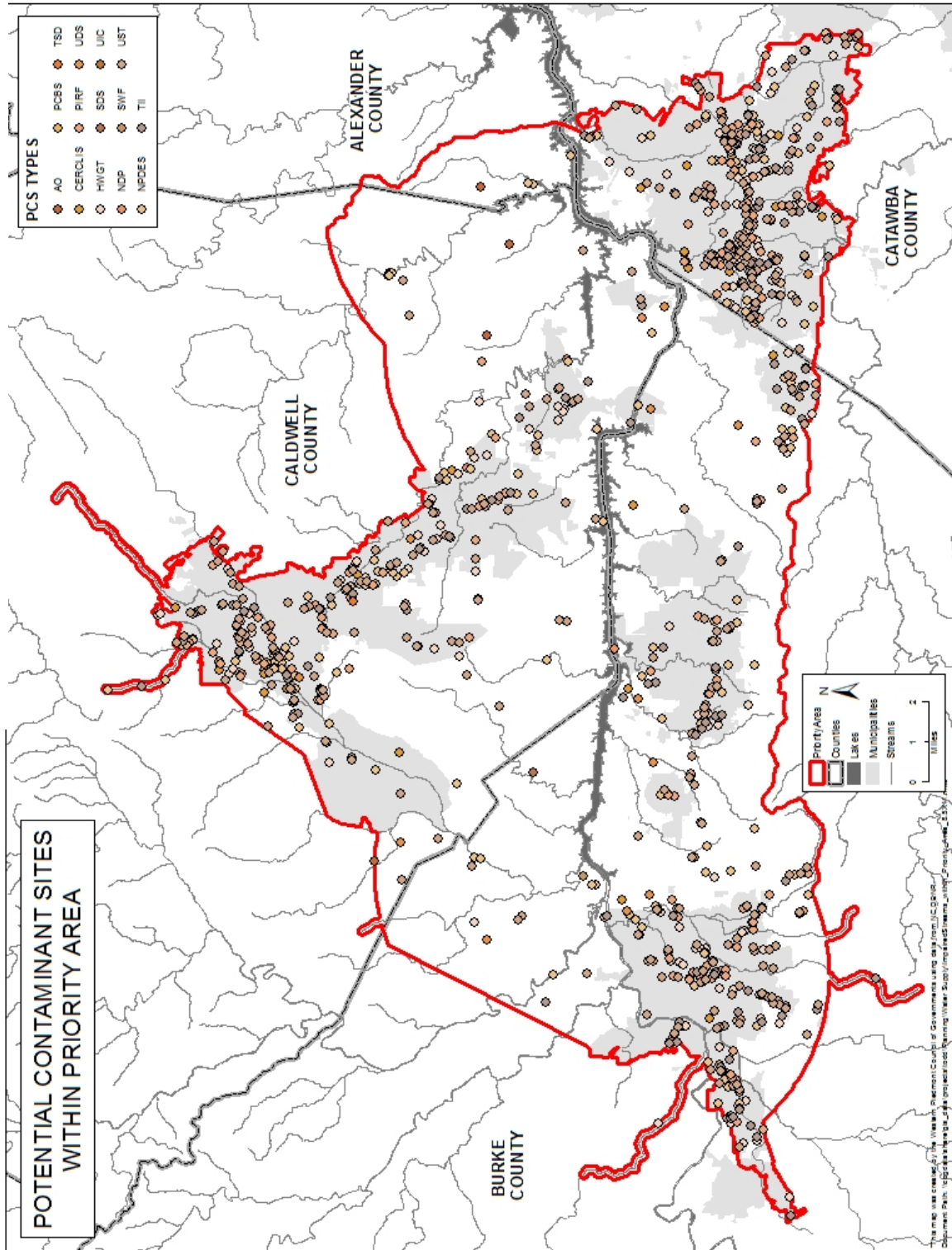
The North Carolina Division of Water Resources, Public Water Supply (PWS) Section is responsible for implementing the Source Water Assessment Program (SWAP) and completing assessments for all public drinking water supplies in the state. A source water assessment is a qualitative evaluation of the potential of a drinking water source to become contaminated by the identified potential contaminant sources (PCS) within the delineated area.

Surface water sources can be threatened by many potential contaminant sources, including permitted wastewater discharges, urban storm water runoff, or other types of non-point source contamination such as runoff produced by agricultural activities and land clearing for development. Types of PCS's include: animal operations (AO), superfund sites (CERCLIS), Hazardous Waste Transporter/Generators (HWGT), National Pollution Discharge and Elimination System permit holders (NPDES), petroleum contaminated soils (PCBS), prior pollution incidents (PIRF), Tier II hazardous chemical inventory (TII), treatment storage and disposal (TSD), old Landfill Sites (UDS), underground injection control wells (UIC), and underground storage tanks (UST) (NC DEQ Source Water Protection Planning Branch).

Map 11 shows all of the PCSs located in the Priority Area. A complete listing of all PCS's in the priority area can be found in **Appendix B**.



Map 11: Potential Contaminant Sources in the priority area



In order to better obtain community input, it was important to shorten the list of PCS's. While the priority area listed above is very important in implementing overall strategies, the number of PCS's in the area was too large to be able to obtain input from committees. It was agreed that the PCS's that may have the biggest impact on an intake were located within a one mile radius of each of the intakes. **Table 2** lists all of those PCS's within that one mile buffer and **Map 12** shows that boundary. This list was provided to both the Technical Advisory Committee and the Water Resources Committee for review. At this time, there were no PCS's that they felt were a current source water hazard.

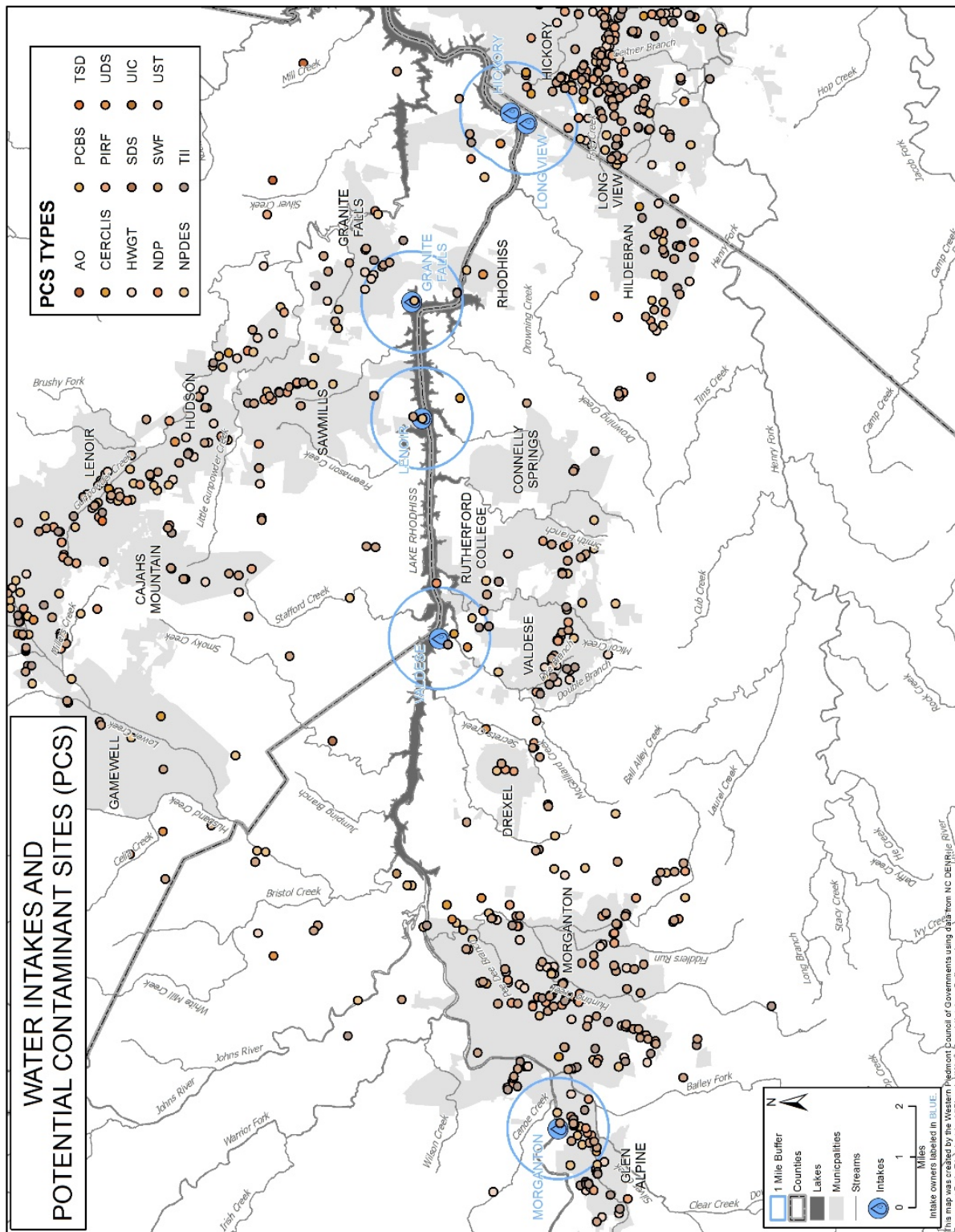
A complete list of all of the PCSs located in the water supply watershed as well as the entire SWAP report for the local governments with intakes on Lake Rhodhiss and Lake Hickory can be found at <http://www.ncwater.org/pws/swap/>.

**Table 2: Potential Contaminant Sources Within One Mile Radius of Intakes**

PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNT Y	PCS TYPE	CLOSEST INTAKE
Tranco, Inc.	Sr 1611	Connelly Springs	NC	28612	Burke	CERCLIS	City of Lenoir
Morganton Dist Ofc	614 Carbon Cy Rd	Forest City	NC	28043-	Burke	PCBS	City of Morganton
Pt Componenets Inc	1 Chain Dr	Morganton	NC	28655	Burke	HWGT	City of Morganton
Wright Table Co	Hwy 18 N	Morganton	NC	28655	Burke	HWGT	City of Morganton
Specilized Technological Services Inc	Rt 7 Box 152-D	Morganton	NC	28655	Burke	HWGT	City of Morganton
Rollins Leasing Corp-394	607 Jamestown Rd	Morganton	NC	28655	Burke	HWGT	City of Morganton
Emery Corporation	Hwy 181 North	Morganton	NC	28655	Burke	HWGT	City of Morganton
Catawba River Wtp	100 Coulter St	Morganton	NC	28655	Burke	NPDES	City of Morganton
Cemex-Morganton-Little Silver Creek	7 Romarco Rd	Morganton	NC	28655	Burke	NPDES	City of Morganton
Sgl Carbon Corporation	307 Jamestown Rd	Morganton	NC	28655	Burke	NPDES	City of Morganton
Sgl Carbon Corporation	307 Jamestown Rd	Morganton	NC	28655	Burke	NPDES	City of Morganton
Packaging Corporation Of America	114 Dixie Blvd	Morganton	NC	28680	Burke	NPDES	City of Morganton
Case Farms-B & L	120 Dixie Blvd	Morganton	NC	28655	Burke	NPDES	City of Morganton
Silver Creek Airport	Off Romarco Rd	Morganton	NC	28655	Burke	PIRF	City of Morganton
Colonel'S Pantry #5	320 Carbon City Road	Morganton	NC	28655	Burke	PIRF	City of Morganton
Great Lakes-Romarco	Sr 1142	Morganton	NC	28655	Burke	PIRF	City of Morganton
Sgl Carbon, Llc	307 Jamestown Road	Morganton	NC	28680	Burke	PIRF	City of Morganton
Duke Energy - Sgl Carbon Group Morganton	Old Jamestown Rd	Morganton	NC	28655	Burke	TII	City of Morganton
Penske Truck Leasing Co, Lp - Morganton	607 Jamestown Rd	Morganton	NC	28655	Burke	TII	City of Morganton
Rutherford Emc - Morganton	614 Carbon City Road	Morganton	NC	28655	Burke	TII	City of Morganton
Penske Truck Leasing	607 Jamestown Rd.	Morganton	NC	28655	Burke	UST	City of Morganton
Marshall'S 10084	410 Carbon City Road	Morganton	NC	28655	Burke	UST	City of Morganton
Rutherford Emc	614 Carbon City Rd (Hwy 70)	Morganton	NC	28655	Burke	UST	City of Morganton
Carpenter Company	705 Jamestown Rd Box 1157	Morganton	NC	28655	Burke	UST	City of Morganton
Silver Creek Aviation. Inc	Off Romarco Road	Morganton	NC	28655	Burke	UST	City of Morganton
Catawba River Wtaer Treatment	100 Coulter Street	Morganton	NC	28655	Burke	UST	City of Morganton
Great Lakes Carbon Corp	Jamestown Road	Morganton	NC	28655-	Burke	PCBS	City of Morganton
Westworld Properties	Unknown	Unknown	NC	Unknown	Burke	PIRF	City of Morganton

Duracell Intl Lithium Systems Div	Lovelady Ln	Valdese	NC	28690	Burke	CERCLIS	Town of Valdese
Duracell Intl Lithium Systems Div	Lovelady Ln	Valdese	NC	28690	Burke	CERCLIS	Town of Valdese
Valdese Weavers Inc-F&D Plant	280 Crescent St Ne	Valdese	NC	28690	Burke	NPDES	Town of Valdese
Saft America, Inc	313 Crescent Street	Valdese	NC	28690	Burke	TII	Town of Valdese
Town Of Valdese - Water Teatment Plant	5105 Lakeview Acres Rd	Valdese	NC	28690	Burke	TII	Town of Valdese
Valdese Refuse Dump		Valdese	NC		Burke	UDS	Town of Valdese
Kincaid Furniture Company Incorporated Plant	175 North Main Street	Granite Falls	NC	28630	Caldwell	HWGT	Town of Granite Falls
Shuford Mills Inc Granite Shop	8 Falls Ave	Granite Falls	NC	28630	Caldwell	HWGT	Town of Granite Falls
Granite Falls Wtp	100 Lakeside Ave	Granite Falls	NC	28630	Caldwell	NPDES	Town of Granite Falls
Mundays Sunoco	60 S Main St	Granite Falls	NC	28630	Caldwell	UST	Town of Granite Falls
Lake Rhodhiss H2O Treatment P	5474 Water Works Rd.	Granite Falls	NC	28630	Caldwell	UST	City of Lenoir
Southern Conv 461-10102	64 South Main Street	Granite Falls	NC	28630	Caldwell	UST	Town of Granite Falls
Owens 6 (573)	91 S Main Street	Granite Falls	NC	28630	Caldwell	UST	Town of Granite Falls
Merchants Distributors, Inc	5005 Alex Lee Blvd	Hickory	NC	28601	Caldwell	TII	City of Hickory
<b>PCS NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>	<b>COUNT Y</b>	<b>PCS TYPE</b>	<b>CLOSEST INTAKE</b>
Merchants Distributors, Inc.	5005 Alex Lee Blvd.	Hickory	NC	28601	Caldwell	UST	City of Hickory
Fairway Cleaners	45 N Main St	Hudson	NC	28630	Caldwell	HWGT	Town of Granite Falls
Lake Rhodhiss Wtp	5474 Waterworks Rd	Lenoir	NC	28645	Caldwell	NPDES	City of Lenoir
Rhodhiss Hydroelectric Station	109 Powerhouse Rd	Rhodhiss	NC	28667	Caldwell	NPDES	Town of Granite Falls
Rhodhiss Dump		Rhodhiss	NC		Caldwell	UDS	City of Hickory
Duke Energy - Rhodhiss Hydro Station & Tie	109 Power House Rd	Rhodiss	NC	28667	Caldwell	TII	Town of Granite Falls
Usa Reserve Xviii Airborne Corps	1500 12Th St Nw	Hickory	NC	28601	Catawba	CERCLIS	City of Hickory
Hk Research Corp	908 Lenoir	Hickory	NC	28601	Catawba	CERCLIS	City of Hickory
Century Furniture Co	401 11Th St Nw	Hickory	NC	28601	Catawba	CERCLIS	City of Hickory
Ms. Henry Guigou	1571 10Th Street Place Nw	Hickory	NC	28601	Catawba	PIRF	City of Hickory
Sigmon Property (Edith)	1559 10Th St Place	Hickory	NC	28602	Catawba	PIRF	City of Hickory
Hickory Airport Burn Pits	Hickory Regional Airport, 21St St Nw & 9Th Ave Nw	Hickory	NC	28601	Catawba	PIRF	Town of Longview
RACEWAY 6744	1230 Hwy 321 Nw	Hickory	NC	28601	Catawba	UST	City of Hickory

Map 12: Potential Contaminant Sources Within One Mile Radius of Intakes



## 6.2 – Emergency Planning

### **Alexander County**

Alexander County takes the comprehensive emergency management approach to meeting the needs of the public before, during and after a disaster by utilizing the All-Hazards approach to all risks. The County has a small local decontamination team to support the State Rapid Response Teams. The County's emphasis is to contain and request needed resources, and to include private contractors.

The Alexander County proposed annex, to be included in their Hazard Response Plan update, can be found in [Appendix C](#).

### **Burke County**

Burke County Emergency Medical Services offers numerous response services other than pre-hospital medicine and transports. EMS also operates a Special Operations Unit that responds to Wilderness Medical situations, and special situations with Law Enforcement and Fire Departments, specialized coverage for Mass Gatherings and Special Events, and Mass Decontamination along with the Burke County Hazardous Materials Team and State Medical Assistance Team.

The hazardous materials response service is a joint venture between the Fire Marshal's Office, other emergency agencies, and Morganton Department of Public Safety that came together to form a hazardous materials response team. The hazmat team was formed in 1988 and is available to respond to all areas of the County and all municipalities. The team consists of twenty-one members and two response vehicles. Eleven members are state certified at the technician level that requires over two hundred hours of initial training and the remaining personnel are state certified at operations level. The team is capable of responding to a situation involving the release of a hazardous material from a fixed facility or a transportation incident for mitigation purposes that may require the use of special chemical protective clothing and respiratory protection. The hazardous materials team responds to approximately twenty-five calls per year. The Burke County Hazard Response Plan can be found in [Appendix D](#).

### **Caldwell County**

Caldwell County has taken a comprehensive emergency management approach to meeting the needs of the public before, during and after a disaster by utilizing the All-Hazards approach to all risks: natural disaster, man-caused, technological, domestic or international terrorism, energy and material shortages. This approach is integrated into Caldwell County's ongoing management program. This comprehensive approach includes all four phases of disaster or emergency activity: mitigation, preparedness, response and recovery. The Caldwell County Hazard Response Plan can be found in [Appendix E](#).

## **Catawba County**

The Catawba County Hazardous Materials Response Team (HMRT) is a 40-member multi-agency response team with specialized training in dealing with hazardous materials including flammable materials such as gasoline or propane, toxic gases such as chlorine or anhydrous ammonia, manufacturing chemicals, transportation incidents, radioactive releases and incidents involving chemical, biological or nuclear weapons.

Catawba County's HMRT members train together monthly and have full-scale exercises twice a year in addition to being available to respond anywhere within the county. Members are credentialed by the NC Fire and Rescue Commission and meet national standards established in NFPA 472 and OSHA 1910.120 for Level 1 (Operations) and Level 2 (Technician) hazardous materials responders.

The Catawba County Hazardous Materials Operating Guidelines of standard operating procedures are located in **Appendix F**.

## **7 – Strategies**

### **7.1- Strategies**

Staff from the Western Piedmont Council of Governments (WPCOG) presented many types of recommendations to the Technical Advisory Committee and the Water Resources Committee. The committees agreed that the 16 recommendations described below best met the needs for protecting source water.

#### **1. Secure Adequate Funding**

All of the recommendations listed in this Plan generally require some type of funding. Funding sources can include Federal agencies like the US EPA or USDA; State agencies like the North Carolina Division of Water Resources; as well as a combination of local resources. Ultimately, it will be up to the Western Piedmont Council of Governments, along with partners such as Carolina Land and Lakes Resource Conservation and Development, to provide coordination of grant applications, apply for the grants and increase awareness of available grants to local governments.

Steps in acquiring funding include identifying funding sources most appropriate for each recommendation in the Plan, identifying project partners, developing pre-proposals for grant applications and obtaining letters of support from partners as needed. A list of funding sources for these types of projects can be found in [Appendix G](#).

#### **2. Monitor compliance with and enforcement of erosion and sedimentation control ordinances.**

Sedimentation and Erosion Control programs provide the legal basis for the regulation of construction activities to ensure that sedimentation and erosion is minimized. However, this regulatory control is only as effective as is the associated monitoring of construction and enforcement of the ordinance. The challenge faced by many local governments, particularly those experiencing rapid development, is providing an adequate level of construction monitoring with a modest staff of erosion and sediment control inspectors.

Caldwell County has developed a local sediment and erosion control ordinance in compliance with the state's Sedimentation Pollution Control Act of 1973 (SPCA) and assumed responsibility for implementation of the requirements of the SPCA within Caldwell County's municipalities plus unincorporated Caldwell County in October 2007. In early 2009, in an effort to reduce costs by eliminating staff necessary to operate the program, Caldwell County returned administration of the Sediment and Erosion Control Program to the state.

Currently, Burke County does not intend to assume a local sediment and erosion control program and depends on the state's Division of Land Resources program to enforce state regulations.

Some local governments have increased development review and processing fees to fund additional field resources for Sedimentation and Erosion Control monitoring. In addition, when the public becomes aware of the cause and effect of construction-related erosion and sedimentation problems, they may be more likely to become involved in identifying construction sites that are the source of these problems, thus enforcement actions may be taken. It is also important to educate grading contractors and heavy equipment operators on the regulations. Each jurisdiction should establish a Sedimentation and Erosion Control "hot-line" where calls can be taken from the public. In this way, the monitoring resources of the state and local jurisdictions can be more effectively leveraged into action.

In order to determine if Sedimentation and Erosion Control Ordinances are being effectively enforced, current policies related to sedimentation and erosion control regulatory and oversight processes should be reviewed and a plan should be implemented to promote corrective action for deficiencies.

Due to the important of sedimentation and erosion to the region's water supply, more outreach and education to the local governments may be needed. A list of local governments that have adopted their own ordinances is provided in [Appendix H](#).

NC DEQ's Erosion and Sedimentation Control Program's policy board published a Soil Erosion and Sedimentation Control model ordinance in early 2014. The model ordinance contains recommended regulations for local governments that want to start autonomous erosion control programs. Some Counties close to our region (Catawba, Gaston, Buncombe, and Mecklenburg) adopted the 2006 NC DEQ model ordinance, which is very similar to the 2014 edition. The 2014 edition recommends that soil and erosion permit holders conduct and document inspections of their own projects quarterly, at the end of each phase, at the project's completion, and when sediment controls and storm drainage facilities are installed, when existing ground cover is cleared. The 2014 model ordinance also has new design standards for properties within the Neuse River Basin, and some other minor changes that should not noticeably impact the Rhodhiss and Hickory Water Supply Watersheds.

<http://portal.ncdenr.org/web/lr/local-programs> - The 2014 template has not been posted on the website yet. This links to the 2006 template. Attached is the 2014 model.

Some cities have soil and erosion ordinances that significantly deviate from the NC DEQ's model ordinances. Asheville's ordinance is unique in many ways:

- All properties disturbing 500 square feet must submit at least a sketch plan to obtain a grading permit. Properties disturbing 10,000 or more square feet must submit a formal design plan to obtain a grading permit. In the model ordinances only properties disturbing over an acre must submit a plan.



- The administrator and the applicant agree to a contractual inspection schedule. Grading cannot commence until a professional engineer or city inspector has inspected the erosion control measures. After that, weekly, bi-weekly, initial, and final inspections are required. (In the model ordinance the applicant can start grading at his/her convenience, and inspections are quarterly and/or at the end of each phase.)
- There are special design standards in landscape buffer zones-overlays particular to Asheville's zoning code.
- There are also special design standards in the watershed that the model ordinances do not contain.
- If development does not need a grading or stormwater permit, perhaps for a renovation of an existing development or similar circumstance, the developer is required to submit a landscape plan showing existing trees to be preserved, buffer yard trees, and street trees. Effective ground cover must be installed within 14 days.
- There are varying levels of design standards for slopes over 15 percent, 25 percent, 33 percent, and 50 percent. The steepest slopes-50 percent or a 2:1 ratio-require a registered professional engineer to certify that the slope is free of cracks, sloughs, and slippages. Fills must be compacted to not less than 95 percent maximum density. The City regulates the width and height of terraces/benches.
- Asheville requires contractors to sweep sediment out of the road at the end of each workday. The City may require developers to restore waters and land affected by sedimentation to their previous condition.
- Asheville's ordinance has different penalties for different sorts and severities of infractions, ranging from a Notice of Violation for improper ground cover, to a \$5,000 fine for sever offsite sedimentation.

<https://library.municode.com/index.aspx?clientId=12499> – Asheville's ordinance. Part II Code of Ordinances, Chapter 7 Development, Article XII Environmental Protection Standards, Section 7-12-2.

### **3. Stormwater Management**

Rain that falls and strikes impervious surfaces is almost immediately converted to runoff. The initial slug of runoff generally carries heavy loads of sediment and other pollutants with it. Engineered structures such as curb and gutter systems, storm drains and culverts efficiently and

rapidly collect this water from streets and parking lots and pipe it directly into streams. As the rain continues, increasing volumes of runoff erode stream banks. Valuable habitat and biota alike may be swept away as scouring occurs. Over time, as development increases within the watershed, the probability of flooding on an annual basis increases as the runoff generated increases each year, until during large storm events, the amount of runoff exceeds the stream channel's natural capacity to adequately handle these large volumes of water.

EPA's Stormwater Phase II Ordinance is intended to improve water quality by reducing the number of pollutants that are picked up by stormwater, carried into municipal storm sewer systems, and ultimately discharged into local rivers streams without being treated. These pollutants can include oil and grease from roadways, pesticides from lawns, sediment from construction sites and carelessly discarded trash, such as cigarette butts, paper wrappers, and plastic bottles. These pollutants can impair the waterways when deposited through MS4 discharges and discourage recreational use of the resource, contaminate drinking water supplies, and interfere with the habitat for fish, other aquatic organisms and wildlife.

The following are the six minimum measures of a Stormwater Phase II Ordinance as outlined by EPA:

- (1) **Public Education and Outreach:** Distributing educational materials and performing outreach to inform citizens about the impacts polluted storm water runoff can have on water quality.
- (2) **Public Participation/Involvement:** Providing opportunities for citizens to participate in program development and implementation, including effectively publicizing public hearings and encouraging citizen representatives on a local storm water management panel.
- (3) **Illicit Discharge Detection and Elimination:** Developing and implementing a plan to detect and eliminate illicit discharges to the storm sewer system by developing a system map and informing the community about hazards associated with illegal discharges and improper disposal of waste.
- (4) **Construction Site Runoff Control:** Developing, implementing and enforcing an erosion and sediment control program for construction activities that disturb one or more acres of land (controls could include silt fences and temporary storm water detention ponds).
- (5) **Post-Construction Runoff Control:** Developing, implementing and enforcing a program to address discharges of post-construction storm water runoff from new development and redevelopment areas. Applicable controls could include preventative actions such as protecting sensitive areas (e.g., wetlands) or the use of structural BMPs such as grassed swales or porous pavement.
- (6) **Pollution Prevention/Good Housekeeping:** Developing and implementing a program with the goal of preventing or reducing pollutant runoff from municipal operations. The program must include municipal staff training on pollution prevention

measures and techniques (e.g., regular street sweeping, reduction in the use of pesticides or street salt, or frequent catch-basin cleaning).

Some municipalities in Burke and Caldwell have been required to adopt the ordinances based on North Carolina's Model Ordinance. The Stormwater Working Group (SWWG), an active subcommittee of the Western Piedmont Water Resources Committee, was formed in 2009 to work cooperatively to assure consistent implementation of program components throughout our region and to share expertise and other resources. This staff level group supported by the WPCOG has worked without specific funding to support this endeavor through facilitating meetings, assisting in preparing annual reports, developing workshops, arranging speakers and seminars, preparing outreach materials and presenting to various groups and at events. The SWWG has been voluntarily assisting Phase II Stormwater communities in the region for nearly a decade.

No stormwater utility is currently found in the region. The stormwater programs that are functioning are not adequately funded and staffed, so ongoing training for stormwater staff and public service personnel is needed. Additionally, illicit discharge detection could be improved through better public outreach.

#### **4. Implement water quality monitoring to identify problem areas and document improvements.**

Collection of water quality data needs to occur periodically, with pre- and postmonitoring at restoration and BMP sites. A cost-effective way to accomplish this monitoring would be to incorporate a volunteer monitoring component, though training, coordination and quality control of volunteers would be needed. Lenoir Rhyne University's Reese Institute for the Conservation of Natural Resources has some student macroinvertebrate sites that can be utilized for monitoring water quality as well.

#### **5. Continue to seek funding for BMPs to be installed in identified project areas.**

A best management practice (BMP) is a method or combination of solutions providing the most effective means (including technological, economic and institutional considerations) of controlling point or non-point source pollutants at levels compatible with environmental quality goals. A stormwater BMP is a technique, measure or structural control used to manage the quantity and improve the quality of stormwater runoff in the most cost-effective manner. These stormwater BMPs may provide flow control, pollutant removal or pollution source reduction, either individually or in combination.

Land management BMPs impact both the quantity of stormwater runoff and the amount of pollution entering water bodies as a result of land development activities. Improvements in land management are necessary to reduce the delivery of pollutants to water resources and prevent flooding and stress of channels downstream of the development. In general, these practices serve to promote infiltration of rainwater, slow runoff velocities and filter out particulate matter and

other pollutants in stormwater runoff. Minimization of impervious surfaces and the protection of natural riparian buffers are two core strategies within this category of management practices.

BMPs that increase stormwater retention time, promote infiltration and provide filtration should all be incorporated into the compliance strategy for post-construction stormwater management regulations. Site plan review for new developments should address storm water quality as well as storm water quantity issues.

An urban stormwater management BMP is designed to limit the hydrologic (increased runoff) and water quality impacts of changed land uses, primarily from residential or commercial development. These practices use measures such as detention, settling, infiltration and filtration to decrease the peak stormwater flow rate (thereby reducing downstream erosion and flooding) and remove pollutants (e.g. oil and grease, metals, nutrients, sediment) from the stormwater.

**(1) Wet Detention Ponds.** Stormwater detention ponds excavated below the normal groundwater table contain water at nearly all times. Storage area is available above this normal water level where, during storm events, stormwater is temporarily detained and released downstream at controlled rates to limit downstream flow. The detention time within the wet pond facilitates the settling of sediments (along with other pollutants that attach to these sediments). Such facilities are 70% or more effective in the removal of suspended solids (NC Cooperative Extension Service, 1999). Larger, more regional, ponds are generally more effective and maintainable than small ponds designed to handle stormwater from small (<20 acre) sites.

**(2) Bio-Retention Areas.** Bio-retention areas combine stormwater management with landscaping to retain stormwater (particularly from small, more frequent rain events) in order to enable infiltration and evapotranspiration by plants within the area. These types of facilities are well-suited to parking lots, where traditionally drainage is collected in a closed system and conveyed offsite. Utilization of a bio-retention area provides a means to control runoff to pre-development levels by retaining runoff from impervious areas in a facility designed to replace the function of the vegetation and soil areas that have been rendered impervious through development.

**(3) Reinforced Grass Swales.** The historic function of drainage design was to collect and convey stormwater runoff downstream as quickly as possible, resulting in both increased flow rates and velocities, and reduced infiltration and evapotranspiration of runoff. Historically, drainage systems minimized the amount of overland flow, quickly channeled runoff into closed systems for conveyance away from the site and were dominated by curbs, gutters, inlets and piped systems. Using grassed swales for collecting and conveying of stormwater runoff enables overland flow to enter the swale along its entire length, promoting infiltration through the channel walls and providing a degree of filtration through the grass media, which removes sediments and other pollutants. Turf Reinforcement Matting enables the grass to become established and protects the channel walls from erosion. From the standpoint of managing both stormwater quality and quantity, open channels are superior to a closed system.

**(4) Level Spreaders in conjunction with Riparian Buffers.** Forested or grassed vegetated buffers along streams provide a combination of filtration, depression storage, infiltration and evapotranspiration, which both reduces the quantity of runoff (as compared to a closed channelized system) and removes many pollutants, including sediments and nutrients. Care must be exercised in grading these buffer areas to maintain overland (sheet) flow of runoff and minimize the potential for runoff to become channelized. Channelized flow is prone to develop erosive velocities and minimizes the filtering effect provided by sheet flow through the buffer area. Maintaining slopes of 2% or less and ensuring that an established bed of ground vegetation is maintained will serve to prevent such channelization within buffer areas.

**(5) Constructed Wetlands.** Constructed stormwater wetlands are designed for temporarily storing stormwater runoff in shallow pools that create growing conditions suitable for emergent and riparian wetland plants. The runoff storage, complex microtopography and emergent plants in the constructed wetland together form an ideal place for the removal of urban pollutants. In North Carolina, constructed stormwater wetlands include two basic designs: extended detention wetlands, and, for smaller sites and in combination with other BMPs, pocket wetlands. When designed and constructed to the NC DEQ guidelines (NC DENR, 1999), these structural BMPs are assumed to achieve 85% removal of total suspended solids.

These five stormwater management practices are examples of BMPs that have general application throughout the areas of this local watershed undergoing development, as well as in those areas where redevelopment is occurring. More detail on these BMPs can be found in the technical resources listed in NC DEQ Stormwater BMPs Manual (updated on DEQ website [http://h2o.enr.state.nc.us/su/bmp\\_forms.htm](http://h2o.enr.state.nc.us/su/bmp_forms.htm)). An excellent starting point for additional information on urban stormwater BMPs is the website of Dr. Bill Hunt (N.C. State University, Stormwater Engineering Group): <http://www.bae.ncsu.edu/people/faculty/hunt/>.

It is important to develop individual plans in the watersheds in order to determine specific places to encourage the use of appropriate Non-Point Source BMPs within the watershed that are the most beneficial in removing nutrients. It is also important that the agricultural community and support agencies continue to support and promote adoption of BMPs through technical and financial assistance programs.

## **6. Capital Improvements**

EPA and NCDEQ should work with and provide guidance to staff at the four existing wastewater treatment plants in the watershed to obtain funding for improvements to the plants that reduce nutrient loading to the Catawba River lakes. Multiple entities should facilitate talks with the local governments operating the wastewater treatment plants and stakeholders in the areas affected by the plants in order to gain support for capital improvement projects.

## **7. Amend ordinances to prohibit development in the 100 year floodplain.**

FEMA has required that all local governments adopt a Flood Damage Prevention Ordinance (FDPO) if they want to be eligible for the National Flood Insurance Program. The purpose of the FDPO is to promote public health, safety and general welfare and to minimize public and private losses due to flood conditions within flood prone areas.

Within the watershed, the floodplain has been utilized for commercial or industrial development. The municipalities and counties have adopted floodplain management ordinances, but restrictions in the floodplain are permitted as long as structures are constructed at a specified level above the flood elevation.

Revised floodplain maps from the Federal Emergency Management Agency have been developed in 2010 and adopted with new remote sensing imagery. County and municipal jurisdictions could reevaluate floodplain areas based on these new maps and allow no development or filling in the 100 year floodplain, especially on impaired streams.

#### **8. Improve monitoring and detection of potential leaks in sewage collection systems.**

The review of affected collection lines would involve review of cleaning, inspections and Sanitary Sewer Overflow records and reports. Sanitary sewers were designed and built to carry wastewater from domestic, industrial and commercial sources, but not to carry stormwater. Nonetheless, some stormwater enters sanitary sewers through cracks, particularly in older lines, and through roof and basement drains. Alternately, leaks in the lines could potentially drain into and contaminate water sources within the watershed.

Sewer lines that are in operation within the priority area or close to impaired streams, or most importantly, the intakes should be monitored to determine if any sewer line leaks are present.

#### **9. Develop a robust public education and outreach program.**

A defined public education program is essential to the development of a responsible public attitude toward watershed management. As citizens understand the importance of hydrology, water quality and aquatic habitat to their quality of life, as well as the consequences of their actions upon these attributes, they will pay greater attention to activities that might have detrimental consequences. Several of the major municipalities in NC have established successful stormwater public education programs and can be contacted regarding the details of their programs. In addition, the regional Councils of Government have helped to coordinate efforts for their local area governments.

#### **10. Work with local governments and other relevant organizations to begin county wide Hazardous Waste Drop-off program.**

A household hazardous waste drop-off program can be instrumental in reducing the amount of these hazardous materials that can end up in drinking water sources. This can include giving

residents the ability to easily drop off these materials on just a few scheduled days a year or at convenience centers with appropriate collection systems.

NC DEQ Division of Waste Management provides guidance and an application for municipalities to begin a county-wide Household Hazardous Waste Drop-off day. This information can be found at: <http://portal.ncdenr.org/web/wm/sw/hhw>.

Catawba County and the City of Hickory have had a successful program, allowing drop-offs twice a year at alternating locations in the County. For more information on this program, contact the Catawba County Waste Reduction Coordinator at (828)-465-8217.

### **11. Adopt and enforce more comprehensive riparian buffer ordinances.**

Riparian buffers have been shown to improve water quality and protect stream banks from erosion. The State of North Carolina has adopted Riparian Buffer Rules (15A NCAC 02B.0243) which require a 50-foot vegetated buffer along the Catawba River (below Lake James) and along the mainstem lakes within the Catawba River Basin, which includes Lake Rhodhiss. Burke County has adopted a buffer ordinance that requires woody vegetation within 65 feet of Lake Rhodhiss be protected. Caldwell County's draft stormwater management ordinance specifies the preservation of 50-foot buffers on perennial streams and 30-foot buffers on intermittent stream for land under development.

As areas of previous agricultural usage are developed, it is important that attention be given to the preservation or re-establishment of vegetated buffer areas. In the interim, while agricultural activities continue to be significant in these areas, agricultural best management practices (BMPs) should be encouraged.

Each local government having jurisdiction over the Lower Creek watershed should adopt and enforce ordinances that extend the protection of 50-foot vegetative buffers to the perennial and intermittent streams that comprise the watershed and encourage more streamside areas left undeveloped or restored with functioning buffers. It is also important to develop and promote incentives for non-agricultural, smaller property owners who voluntarily establish and maintain buffers along streams within the watershed and to educate landowners on the environmental and tax benefits of establishing riparian buffer.

### **12. Increase awareness and encourage participation in local stream clean-up programs.**

This voluntary program involves members of the community in a hands-on activity to clean up surface waters. Local citizen groups adopt a waterway, or a portion of one, and become informed stewards, learning how to react to changing stream conditions. There are more than 200 existing Stream Watch groups in North Carolina, however, none are active in our region. They are composed of elementary school students, scout troops, businesses and retirement groups. Stream Watch groups can be started from scratch or existing organizations can adopt streams; they are asked to conduct two visual monitoring and litter clean up sessions per year. They also are

encouraged to become the local experts on their streams' dimensions, history and wildlife, and act on behalf of the streams' best interests. For more information, go to [http://www.ncwater.org/Education\\_and\\_Technical\\_Assistance/Stream\\_Watch](http://www.ncwater.org/Education_and_Technical_Assistance/Stream_Watch) or contact the N.C. Division of Water Resources at (919) 715-5433.

The WPCOG and Cooperative Extension 4-H have sponsored groups in the past. NC Big Sweep takes place annually on the Catawba River and NC DOT Litter Sweep Week takes place bi-annually along roadways.

### **13. Adopt a comprehensive watershed-based land use plan to protect Lake Rhodhiss.**

Land use refers to how a tract of land is utilized, whether it is designated residential, business or for undeveloped uses like agriculture or open space. Local governments tend to categorize their developed uses in the zoning ordinance, with open space being up to the owners of the property. However, a local government can require that a portion of a property remain undeveloped.

Much of the time, these restrictions can be outlined in a comprehensive plan and then set forth in a subdivision or zoning ordinance. A local government may require a new subdivision to have open space set aside, or may allow more clustered development for open space in return. Municipality, county, state and federal government all play a role in implementation of ordinances, especially with respect to environmental concerns.

Long Range and Comprehensive plans are developed and updated periodically by local governments, either internally by existing staff under or contract with the WPCOG or a private consulting firm. Water quality advocates hope that new or updated Comprehensive Plans plan for healthier water.

### **14. Greenways adjacent to streams.**

Greenways are useful for recreational, educational, wildlife and transportation purposes, but they can also be used to establish much needed riparian buffer along waterways. An additional benefit is increased public access to the waterways which in turn provide more eyes to report potential problems and an increased public awareness. Often easements or fee-simple purchase of riparian buffers on waterways can be turned into greenways, and can sometimes be the catalyst for protection of the waterways.

### **15. Continue and increase support for projects to identify and correct onsite residential sewage treatment systems.**

Water quality in Western North Carolina is threatened by the discharge of untreated residential wastewater into streams, either through leaking septic tank systems or straight piping. Often, the homes identified as having wastewater disposal problems are located in low-income areas of the



state and citizens cannot afford to make the necessary repairs. The WPCOG organized the Unifour Septic Repair Program that targeted straight piping situations or faulty septic tanks by providing a grant or a loan to repair the home so that it meets compliance with NC environmental standards. The money lent out to fix septic tanks was supplied by grants in 1997, 2004 and 2012 from the NC Clean Water Management Trust Fund. The no-interest loans, repaid when the home is sold or changes hands through liens, are designed to perpetuate the repair program.

The WPCOG has continued to operate the Unifour Septic Repair Program and seek funding.

## **16. Amend subdivision ordinances to promote Low Impact Development and other measures that limit development impacts.**

Development activities that slow the flow of water and replicate natural hydrologic systems are referred to as “Low Impact Development” (LID) measures. These include activities that minimize impervious cover, incorporate stormwater management BMPs and have less impact upon the natural environment.

These techniques can conflict with current subdivision standards, requiring some changes in ordinances to accommodate this type of development. Some jurisdictions have mandated that LID measures be utilized in the development of particularly sensitive areas. Local governments should also examine current regulations to ensure that they do not encourage impervious cover.

Low Impact Development utilizes techniques such as

- Cluster development to maximize open spaces,
- Stormwater management measures that control and/or treat the runoff produced by urbanization include:
  - Grassed swales
  - Bio-retention cells
  - Permeable pavement
  - Narrower pavement width on subdivision streets
  - Use of grass swales, rather than traditional curb and gutter.

For more information on LID techniques, strategies and learning opportunities, visit the NC State University site on Low Impact Development at: <http://www.bae.ncsu.edu/topic/lid/>. For examples of Ordinances that have a Low Impact Development component see **Appendix I** in this Plan.

## **8 – Recommendation Tables**

The following pages summarize the recommendations in tabular form. The recommendation tables are meant as a reference for the strategies that should be implemented in the Lake Hickory and Lake Rhodhiss Watersheds, and within the priority area outlined in this plan.

## Western Piedmont Source Water Protection Plan RECOMMENDATION 1

<b>Secure Adequate Funding</b>		
Strategy Narrative:	Seek opportunities to continue and enhance funding for watershed coordinators; acquisition of buffers, stream restoration, wetland enhancement, education and outreach efforts, monitoring, BMP retrofits and overall watershed improvements in vital areas	
Key Actions:		Project Initiator(s):
Identify funding sources most appropriate for each recommendation in the plan Identify project partners Develop pre-proposals for grant application Obtain letters of support from partners as needed		Local partners WPCOG Carolina Land and Lakes RC&D
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefit
DEQ/DWR LCAT Cooperative Extension Schools NC Science House	Regional Oversight Group to increase awareness of potential grants availability: <ul style="list-style-type: none"> <li>• provide coordination of grant application</li> <li>• staff to write grant applications</li> <li>• staff to administer grants</li> </ul>	Better projects Maintain continuity of projects Allow for adequate staffing levels
Measureable Performance Indicators:		Annually, number of grants applied for and received; amount of grant funding applied for and received

## Western Piedmont Source Water Protection Plan RECOMMENDATION 2

<b>Monitor compliance with and enforcement of erosion and sedimentation control ordinances</b>		
Strategy Narrative:	Review current policies related to sedimentation and erosion control regulatory and oversight processes and implement corrective action for deficiencies	
Key Actions:		Project Initiator(s):
Gather current policies, interview appropriate personnel Identify deficiencies and make recommendations Educate local government staff and officials		Local Governments WPCOG
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefits
DEQ/DWR WPCOG EXT	State and Federal Regulations Examples of Exemplary Programs	Decrease in construction runoff
Measureable Performance Indicators:		Number of inspections of land disturbing activity. NOVs issues, corrective actions taken

## Western Piedmont Source Water Protection Plan RECOMMENDATION 3

<b>Develop comprehensive stormwater management ordinances</b>		
Practice Narrative:	Fully implement stormwater permits and management plans throughout the region in conjunction with current Phase II programs	
Key Actions:		Project Initiator(s):
Identify stormwater administrator Review current stormwater activities along with the responsibilities outlined in the permit Permit holders in the water supply watershed area		Local Governments Stormwater Administrators
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefits
DEQ/DWR WPCOG	Stormwater Working Group (SWWG) Ongoing training for stormwater staff and public service personnel Adequate funding and staffing	Consistent application across jurisdiction
Measureable Performance Indicators:		Ordinances in place in municipalities with Stormwater or Watershed Annual Reports will include relevant program implementation information

## Western Piedmont Source Water Protection Plan RECOMMENDATION 4

<b>Continue water quality monitoring to identify problem areas and document improvements Incorporate a volunteer monitoring component and alternative monitoring methods</b>		
Strategy Narrative:	Continue water quality monitoring to identify problem areas and document improvements Incorporate a volunteer monitoring component	
Key Actions:		Project Initiator(s):
Utilize previous monitoring locations Add new monitoring sites as needs occur Periodic collection of water quality data Pre and Post monitoring at restoration and BMP sites		DEQ
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefit
DEQ/DWR Land and Lakes RC&D WPCOG Cooperative Extension Lenoir-Rhyne University, Reese Institute River Keeper	Varies based on extent of study Field monitoring equipment, lab analysis Training, coordination and quality control of volunteers needed	Citizen and student involvement possible Early detection of problem
Measureable Performance Indicators:		Current Loading information from tributaries of most concern Number of sites sampled on yearly basis

**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 5**

<b>Best Management Practices</b>		
<b>Strategy Narrative:</b>	Continue to seek funding for BMPs to be installed in identified project areas.	
<b>Key Actions:</b>		<b>Project Initiator(s):</b>
Utilize and refine existing subwatershed plans and continue to develop others Assure active oversight groups Agricultural community and support agencies continue to support and promote adoption of BMPs through technical and financial assistance programs		Local Partners
<b>Potential Partners:</b>	<b>Resources/Technical Assistance Needed:</b>	<b>Additional Benefits</b>
DEQ/DWR WPCOG NRCS Carolina Land and Lakes RC&D Burke/Caldwell SWCD Cooperative Extension Landtrust/Conservancy EEP Municipalities	Technical Advisory Committee Citizens Advisory Committee	Greenways Blueways Water Quality impacts Habitat improvement Decreases sedimentation
<b>Measureable Performance Indicators:</b>		Landowners identified; easements/riparian buffer obtained Types and numbers of BMPs installed and/or implemented

**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 6**

<b>Capital Improvements in Wastewater Treatment Plants</b>		
<b>Strategy Narrative:</b>	Work with the existing wastewater treatment plants in the watersheds to obtain funding for improvements to the plants that reduce nutrient loading to the lake. Facilitate talks with local governments operating WWTPs and stakeholders in the area in order to gain support for capital improvement projects	
<b>Key Actions:</b>		<b>Project Initiator(s):</b>
Seek funding Promote political/citizen awareness of need for capital improvement projects		Local Governments
<b>Potential Partners:</b>	<b>Resources/Technical Assistance Needed:</b>	<b>Additional Benefit</b>
DEQ/DWR EPA	Construction and Design Site Plans Feasibility Selection of treatment method	More efficient plants
<b>Measureable Performance Indicators:</b>		Inspection plan developed. Inspection reports completed.

<b>Western Piedmont Source Water Protection Plan RECOMMENDATION 7</b>		
<b>Amend ordinances to prohibit development in the 100 year floodplain</b>		
Strategy Narrative:	County and municipal jurisdictions should reevaluate floodplain areas based on the new maps and allow no development or filling in the 100 year floodplain	
Key Actions:		Project Initiator(s):
Inventory current structures in floodplain Amend Model Floodplain Ordinance		Local Governments
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefits
DEQ/DWR WPCOG Cooperative Extension FEMA	Local Model Ordinances Examples of Exemplary Programs	May encourage adequate staffing and funding levels
Measureable Performance Indicators:		Number of local governments to adopt ordinances

<b>Western Piedmont Source Water Protection Plan RECOMMENDATION 8</b>		
<b>Improve monitoring and detection of potential leaks in sewage distribution systems</b>		
Strategy Narrative:	Improve monitoring and detection of potential leaks in sewage distribution systems	
Key Actions:		Project Initiator(s):
Appropriate map system Walk system lines GPS system Develop regular system check		Wastewater treatment plan operators Public Utilities Municipalities
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefit
DEQ/DWR Phase II SW Permit Holders WPCOG	Staff time GIS Assistance GPS equipment	Savings in potential clean-up cost Permit compliance
Measureable Performance Indicators:		Inspection plan developed. Inspection reports completed.

**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 9**

**Develop a robust public education program**

Strategy Narrative:	Increase awareness and concern for water resource issues in the region through comprehensive education and outreach efforts. Encourage adoption of BMP's. Utilize Environmental Education practices and principles	
Key Actions:		Project Initiator(s):
Collect and develop resource materials Work with and in schools Collaborate with existing programs Present at community events Speak to local government officials		WPCOG Municipalities Phase II permittees
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefit
DEQ/DWR LCAT WPCOG Cooperative Extension Schools NC Science House	Lead implementer team to help develop Education/Outreach Plan	Citizen involvement. Multi-jurisdictional cooperation School educational value Serves multiple purposes
Measureable Performance Indicators:	Local watershed website, number and type of written resources available, number of students/schools reached	

**Western Piedmont  
Drinking Water Source Protection Plan  
RECOMMENDATION 10**

**Work with local governments and other relevant organizations to begin countywide Hazardous Waste Drop-off program**

Strategy Narrative:	A household hazardous waste drop-off program can be instrumental in reducing the amount of hazardous materials that can end up in drinking water sources. This can include giving residents the ability to easily drop off these materials on just a few scheduled days a year or at convenience centers with appropriate collection systems.	
Key Actions:		Project Initiator(s):
Gather resources from existing programs Develop marketing plan		Local governments WPCOG
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefit
DEQ/DWR CRC, WPCOG, EXT, SH, SWCS	Staff- Program Coordinator Advisory Team to help set program priorities	Citizen involvement. Multi-jurisdictional cooperation
Measureable Performance Indicators:	Number of programs adopted and continually implemented.	

**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 11**

**Adopt and enforce more comprehensive riparian buffer ordinances**

Strategy Narrative:	Each of the local governments having jurisdiction in the water supply watershed adopt and enforce ordinances that extend the protection of 50-foot vegetative buffers to the perennial and intermittent streams that comprise the watershed	
Key Actions:		Project Initiator(s):
Map intermittent and perennial streams in the local governments jurisdiction Adopt and enforce an ordinance that protects 50 feet of vegetative buffer on the streams		Local Governments WPCOG
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefits
DEQ/DWR WPCOG WRCS/ Cooperative Extension Foothills Land Conservancy WRC Duke Energy	State and federal regulations Examples of exemplary programs	Habitat protection Riparian buffer protection
Measureable Performance Indicators:		Number of local governments to adopt riparian buffer ordinances

**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 12**

**Increase awareness and encourage participation in local stream clean-up programs**

Strategy Narrative:	This voluntary program involves members of the community in a hands-on activity to clean up surface waters. Local citizen groups adopt a waterway, or a portion of one, and become informed stewards, learning how to react to the changing stream conditions.	
Key Actions:		Project Initiator(s):
Collect and develop resource materials Collaborate with existing programs		Local Governments WPCOG Citizen groups
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefit
DEQ/DWR, WPCOG, Cooperative Extension, LCAT, Municipalities	Contact with Program Coordinator	Citizen involvement. Water quality
Measureable Performance Indicators:		Number of volunteers, number of times program coordinates clean-up



**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 13**

<b>Adopt a comprehensive watershed-based land use plan for the water supply watershed to protect Lake Rhodhiss and Lake Hickory</b>		
Strategy Narrative:	Regular updates of existing comprehensive land-use plans should include and integrate steps that include watershed based concepts and strategies.	
Key Actions:		Project Initiator(s):
Review of local government comprehensive and land-use plans. Note needed changes. Review changes with local government staff. Present additional recommendations to local government board for adoption.		Local Governments WPCOG
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefits
DEQ/DWR WPCOG Local governments	Staff to review, update and present needed changes to comprehensive and land-use plans	Local government Awareness Improve DWR Improve water quality Removal from impairment list
Measureable Performance Indicators:		Number of changes adopted by local governments

**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 14**

<b>Greenways adjacent to streams</b>		
Strategy Narrative:	Encourage development of greenways along riparian corridors. Greenways are useful for recreational, educational, wildlife, and transportation purposes, but they can also be used to establish much needed riparian buffer along waterways in the Rhodhiss Watershed. An additional benefit is increased public access to the waterways which in turn provide more eyes to report potential problems and an increased public awareness.	
Key Actions:		Project Initiator(s):
Map intermittent and perennial streams in the local governments jurisdiction Adopt and enforce an ordinance that protects 50 feet of vegetative buffer on the streams.		Local Governments WPCOG
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefits
DEQ/DWR, WPCOG, WRCS,/Cooperative Extension, Foothills Land Conservancy, WRC, Duke Energy, PARTF, CWMTF	State and Federal Regulations Examples of Exemplary Programs	Increase recreation al and Tourism opportunities
Measureable Performance Indicators:		Annually, number of blueway/greenway trail projects applied for and received; amount of grant funding applied for and received, trail miles

**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 15**

<b>Continue and increase support for projects to identify and correct onsite residential sewage treatment systems (Unifour Septic Repair Program)</b>		
Strategy Narrative:	Work with local and state environmental health professionals to identify and correct failing systems.	
Key Actions:		Project Initiator(s):
Restructure existing Unifour Septic System Repair Program to more efficiently distribute funding and administer program Coordinate with Environmental Health Specialists in County and State		County Environmental Health Onsite wastewater WPCOG
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefits
DEQ/DWR EXT Lenoir Rhyne University Environmental Health CWMTF	Assistance from County Environmental Health Specialists Continued funding	Remove health hazards
Measureable Performance Indicators:		Annually, number of residential loan applied for and received; amount of grant funding applied for and received.

**Western Piedmont  
Source Water Protection Plan  
RECOMMENDATION 16**

<b>Amend ordinances to promote Low Impact Development and other measures that limit development impacts</b>		
Strategy Narrative:	Review Ordinances for possible amendments that can be made that would promote the use of Low Impact Development and other measures that limit the impact of development. Garner local support for such initiatives and encourage their implementation	
Key Actions:		Project Initiator(s):
Develop a comprehensive list of green policies Review local government land-use ordinances and town policies Review Ordinances with local government Staff to determine need and possibilities Present to local government board and recommend for adoption		Local Governments WPCOG Planning Staff
Potential Partners:	Resources/Technical Assistance Needed:	Additional Benefits
DEQ/DWR WPCOG Cooperative Extension	Staff to review, update and present recommended changes to land-use ordinances	Local Government Awareness Potential for cost savings in new development
Measureable Performance Indicators:		Number of new policies adopted by local governments

Strategy Timeline		1	2	3	4	5	6	7	8	9	10
Strategies		Implementation Year									
1	Secure Adequate Funding										
2	Sedimentation and Erosion Control										
3	Stormwater Management										
4	Water Quality Monitoring										
5	Best Management Practices										
6	Capital Improvements in WWTP										
7	Restriction on Floodplain Development										
8	Sewage Overflow Investigation										
9	Outreach and Education										
10	Hazardous Waste Drop-off Program										
11	Riparian Buffers										
12	Stream Clean-up Programs										
13	Long Range Land-Use Plans										
14	Greenways Adjacent to Streams										
15	Onsite Residential Sewage Systems										
16	Low Impact Development										

## **9 – Long Term Planning Strategy**

One of the goals of the Western Piedmont Source Water Protection Plan was to prepare a comprehensive protection plan, using what has already been prepared, that can be used by local governments and agencies as a roadmap for improving source water quality conditions within the watershed.

WPCOG staff has been involved with the National Drinking Water Source Protection Consortium stakeholder process and most recently have been participants and signatories to the NC Drinking Water Consortium which was an outgrowth of those efforts. Developing drinking water source protection plans that blanket our region has been recognized by the Western Piedmont Water Resources Committee in their priority project list for the past three years.

The major drinking water supply reservoir in the region is classified as impaired for nutrients. Concerns about over-allocation of available surface water are on the minds of many. Local agencies will continue to encourage local action to protect our region's water resources.

*The Western Piedmont Source Water Protection Plan* will be presented to all local governments within the watershed by staff at the Western Piedmont Council of Governments. The local governments will be asked to voluntarily adopt the recommendations and begin implementing the plan in areas for which they have authority.

The *Plan* is intended to be an evolving document, revised on a regular basis or as policies and economic conditions change. This plan encompasses a large geographic area. The parties responsible for implementing the plan should review the document periodically to determine its effectiveness and the need for revisions.

## References

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North Carolina Department of Environment and Natural Resources. 2006. *The North Carolina Source Water Protection Guidebook: Developing a Local Surface Water Protection Program*. Prepared by the Drinking Water Protection Program. Raleigh, NC.

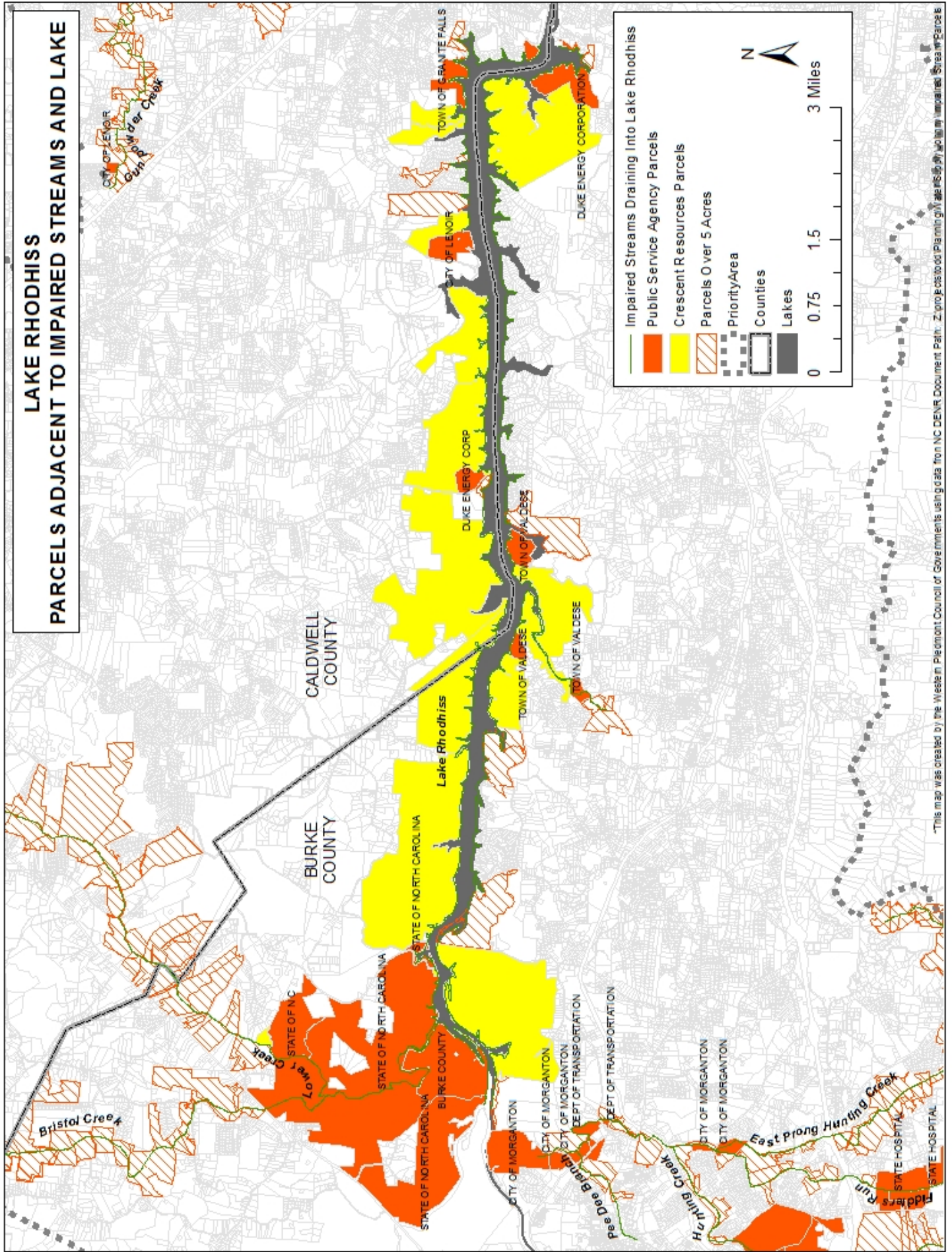
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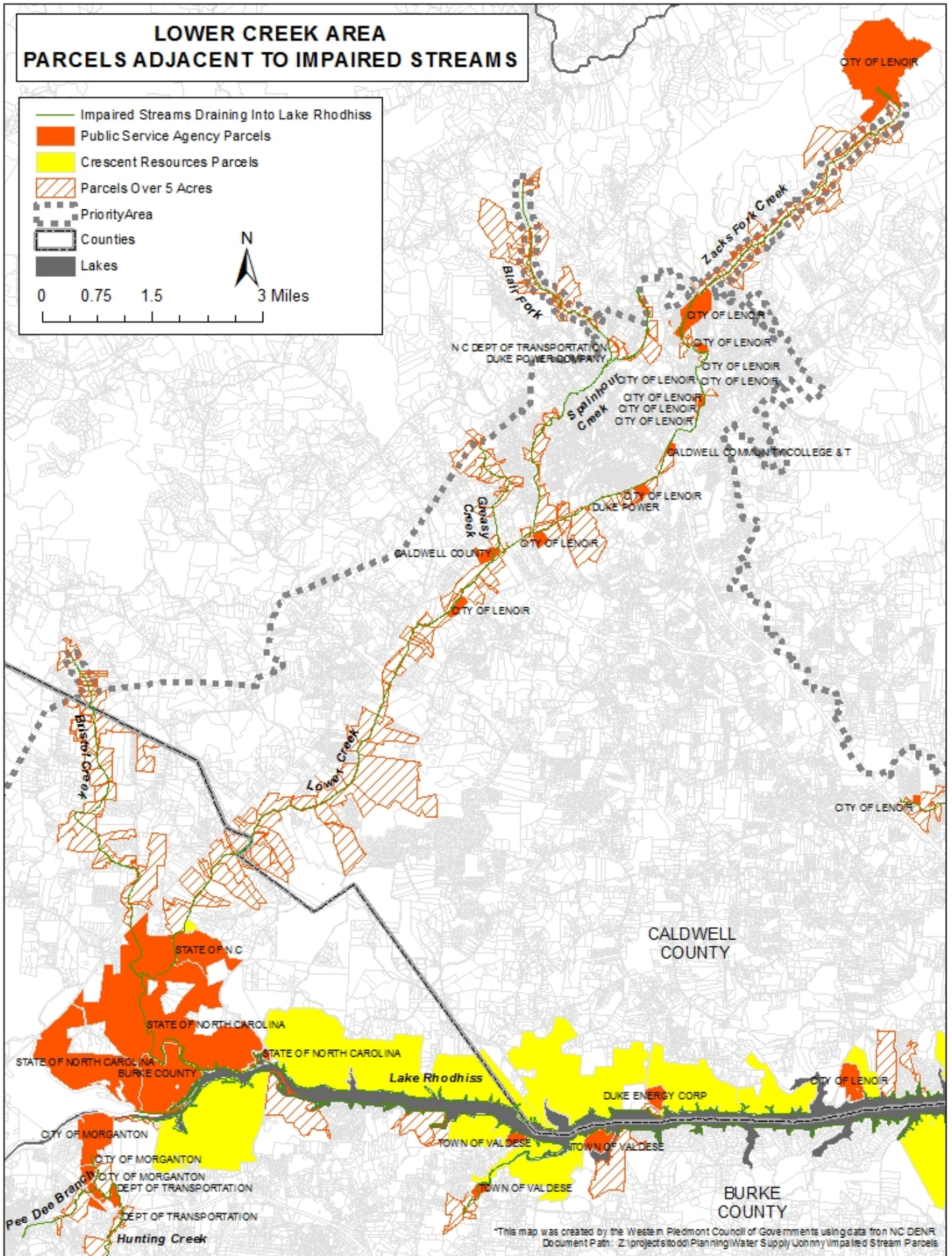
## **Appendix A**

Priority Area Parcels Adjacent to Impaired Streams

# LAKE RHODHISS PARCELS ADJACENT TO IMPAIRED STREAMS AND LAKE

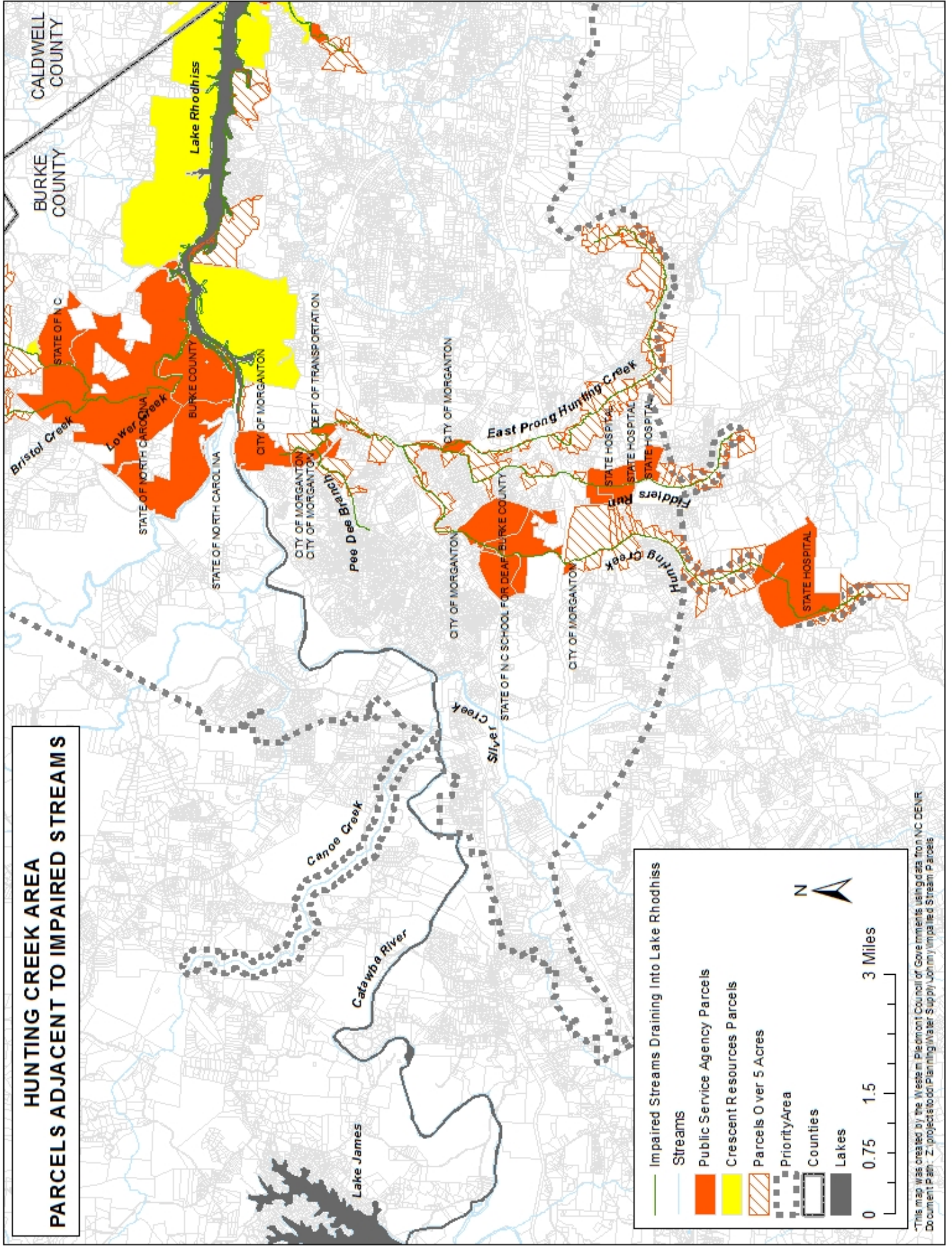


This map was created by the Western Piedmont Council of Governments using data from NC DENR Document Path: Z:\proj\030000\Planning\GIS\Map13\Map13.mxd





# HUNTING CREEK AREA PARCELS ADJACENT TO IMPAIRED STREAMS



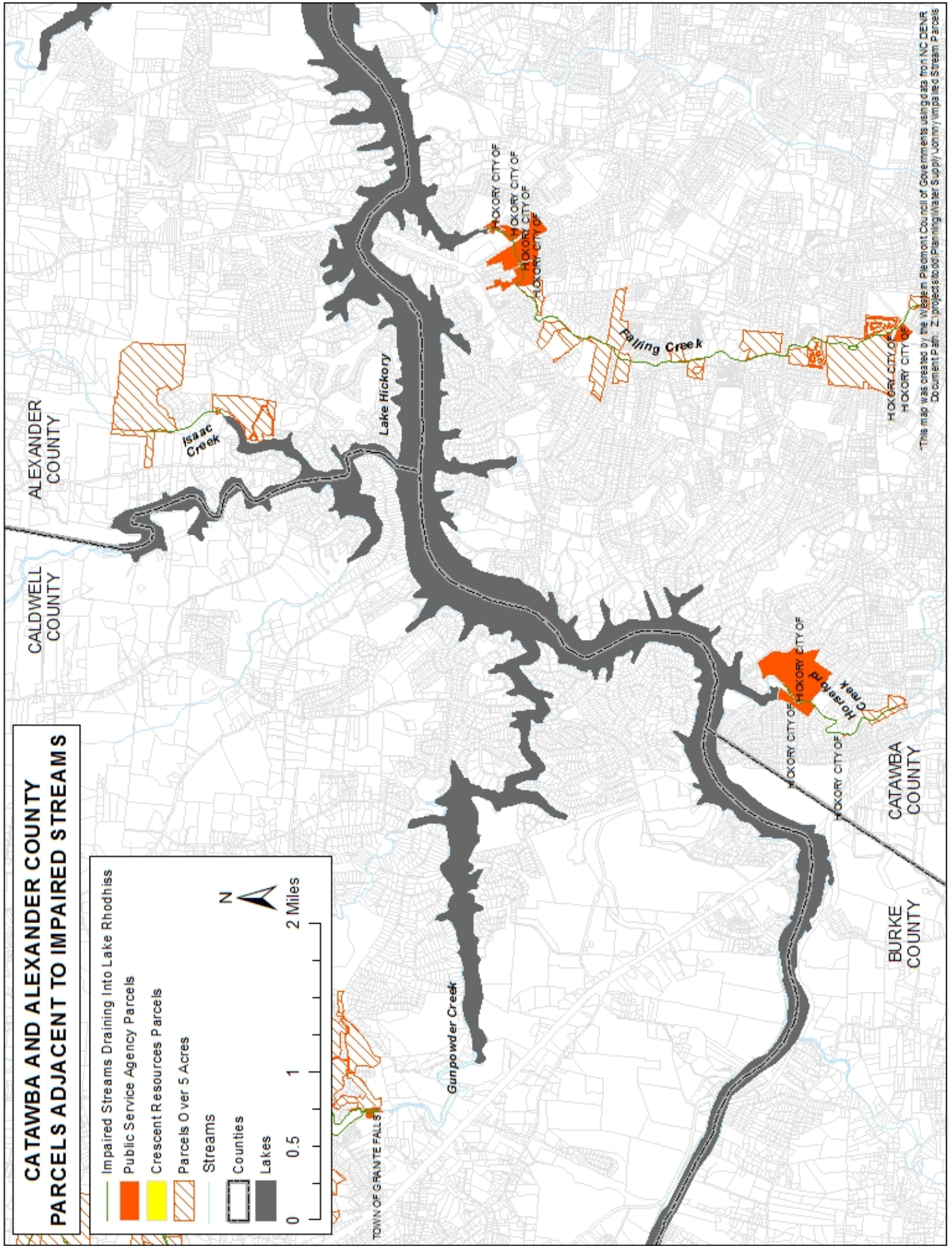
**Impaired Streams Draining into Lake Rhodhiss**

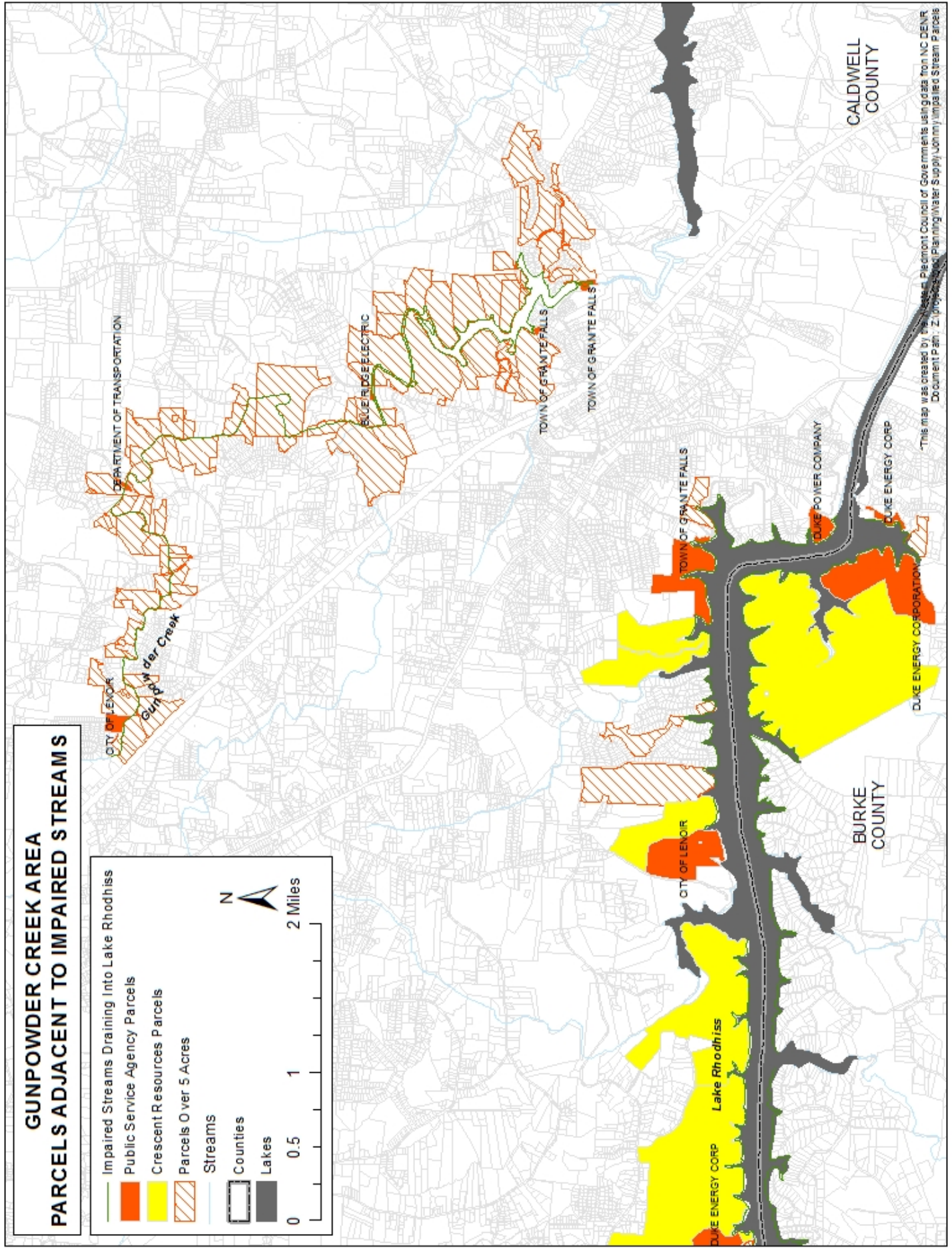
- Impaired Streams
- Streams
- Public Service Agency Parcels
- Crescent Resources Parcels
- Parcels Over 5 Acres
- Priority Area
- Counties
- Lakes

0 0.75 1.5 3 Miles

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This map was created by the Western Piedmont Council of Governments, using data from NC DENR Document Path: Z:\projects\001\Planning\Water Supply\Johnny\Impaired Stream Parcels





## **Appendix B**

Potential Contaminant Sources within the Priority Area

**Table 3: Potential Contaminant Sources within the Priority Area**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
AWC020008	Idlenot Farm	140 Kirby Farm Road	Hickory	NC	28601	Alexander	AO
NCG550182	Morgan James C- Residence	70 Lakeside Loop Ext	Hickory	NC	28601	Alexander	NPDES
NCG550201	Williams Howard T Jr-Res	291 Hughes Blvd N	Hickory	NC	28601	Alexander	NPDES
NCG070038	Bethlehem Manufacturing Co Inc	Bethlehem Manufacturing R	Hickory	NC	28601	Alexander	NPDES
NONCD0000168	Bristol Creek Comm. Dump			NC		Burke	UDS
3-Dec	Burke County	S.R. 1505	Burke	NC	28655	Burke	SWF
NCD067392175	Tramco, Inc.	Sr 1611	Connelly Springs	NC	28612	Burke	CERCLIS
13258	Knob Service Center	Nc Hwy 70W & Rhodhiss Rd	Connelly Springs	NC	UNK NOW N	Burke	PIRF
A6772ED870E306598 5257014006D53C3	Carolina Energies - Knob Superette	1121 Hwy 70	Connelly Springs	NC	28612	Burke	TII
0-003551	The Handy Mart	7741 Rhodiss Road	Connelly Springs	NC	28612	Burke	UST
0-004558	Walsh'S Grocery	2864 Us Highway 70	Connelly Springs	NC	28637	Burke	UST
0-007478	Baker. Knapp & Tubbs Inc	3487 Texs Fish Camp Rd	Connelly Springs	NC	28637	Burke	UST
0-007816	Southern Conv 170-10136	100 Malcolm Blvd.	Connelly Springs	NC	28612	Burke	UST
0-032844	Knob Superette	1121 Highway 70	Connelly Springs	NC	28612	Burke	UST
NCG180105	Baker Furniture Company	3487 Tex'S Fishcamp Rd	Connellys Springs	NC	28612	Burke	NPDES
NCGNE0128	Ebm Textiles Llc	One Jacquard Dr	Connellys Springs	NC	28612	Burke	NPDES
0-010187	Spartacraft Furniture	7690 Sparta Craft Drive	Cornelly Springs	NC	28612	Burke	UST
NCD113340756	Burke Grading & Paving	Hwy 64-70 W Briggport	Drexel	NC	28619	Burke	HWGT
NCG210371	Westwood Nc, Llc	101 North Main St	Drexel	NC	28619	Burke	NPDES
5541	Silver Knit Div. Plant-Drexel	100 Mill Street	Drexel	NC	UNK NOW N	Burke	PIRF
10369	Campbell'S Exxon	Main Strret	Drexel	NC	28619	Burke	PIRF
13109	Causby'S Union 76	2755 Us Highway 70 West	Drexel	NC	UNK NOW N	Burke	PIRF
13774	Burke Grading Co.-Spill	Hwy 70	Drexel	NC	28619	Burke	PIRF
NONCD0000172	Drexel Dump		Drexel	NC		Burke	UDS
0-004932	Jack B Quick 1	Mimosa Street	Drexel	NC	28619	Burke	UST
0-007132	Drexel Texaco No. 10070	3069 Us 70 East	Drexel	NC	28655	Burke	UST
0-025721	Southern Conv 168-23039	1595 Us 70 West	Drexel	NC	28619	Burke	UST
0-028269	Burke Grading & Paving Inc	1502 Highway 70 West	Drexel	NC	28619	Burke	UST
NCD986172419	Morganton Dist Ofc	614 Carbon Cy Rd	Forest Cy	NC	28043	Burke	PCBS
0-007163	Big Daddys 1	1308 Carbon City Road	Glen Alpine	NC	28628	Burke	UST
NCD981023732	Neuville Sock Property	Hwy 64 & Hwy 70 & 1-40 Access Rd	Hildebran	NC	28637	Burke	CERCLIS
NCD059141184	Impact Furniture Company	3487 Texs Fish Camp Road	Hildebran	NC	28637	Burke	HWGT
NCD991278813	Lexington Furniture Industries Plant 10	100 First Street	Hildebran	NC	28637	Burke	HWGT
NCR000000117	Don'S Garage & Wilcox Automotive	105 6Th Ave Se	Hildebran	NC	28637	Burke	HWGT
NCR000003756	Jeffco Enterprises Ltd	500 Us Hwy 70 E	Hildebran	NC	28637	Burke	HWGT
NCD051329167	Drexel Heritage Furnishings Plant 43	104 1St St Nw	Hildebran	NC	UNK NOW N	Burke	HWGT
NCG180225	Jeffco Enterprises Ltd	500 Us Hwy 70 E	Hildebran	NC	28637	Burke	NPDES

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NCG180098	Drexel Heritage Furnishings-43	104 1St St Nw	Hildebran	NC	28637	Burke	NPDES
NCG550163	Lowman Betty- Residence	Annas St Ncsr 1766	Hildebran	NC	28637	Burke	NPDES
NCGNE0163	Neuille Industries	9450 Neuville Ave	Hildebran	NC	28637	Burke	NPDES
NCG170402	Bauer Industries Plant #3	205 Cline Park Dr	Hildebran	NC	28637	Burke	NPDES
28168	Dan'S Auto Service	Highway 70 Sw	Hildebran	NC	28637	Burke	PIRF
28279	Happy Day Grocery	220 Hwy 70A	Hildebran	NC	UNK NOW N	Burke	PIRF
28192	Bostain Property	112 7Th Street Ne	Hildebran	NC	28637 8100	Burke	PIRF
9743	Fredrickson Motor Express	320 I-40 Access Rd, Se	Hildebran	NC	UNK NOW N	Burke	PIRF
12079	Shull Trucking Co.	Curleys Fish Camp Rd.	Hildebran	NC	28637	Burke	PIRF
2D11D9FCCB2517178 525701500536037	International Legwear Group - Hildebran	9451 Neuville Industries	Hildebran	NC	28637	Burke	TII
FC92C10C5A1BB5D3 85256FFE0064B2CE	Bauer Inustries, Inc	205 Cline Park Dr.	Hildebran	NC	28637	Burke	TII
13CCFEDA7080BC9 8525701F00682073	Rhodes & Beal Oil - Hildebran Shell	8807 Old Hwy 10	Hildebran	NC	28637	Burke	TII
6FCFF9EFCE6D66EA 85256FF5005A417F	Drexel Heritage Furniture Ind, Inc - Plant 43	104 1St Street, Nw	Hildebran	NC	28637	Burke	TII
NONCD0000170	Hildebran Disposal Area		Hildebran	NC		Burke	UDS
0-002716	B & B Royal Conv Store	721-A Hwy 70 W	Hildebran	NC	28637	Burke	UST
0-004647	Cubbard Express 3	8838 Old Nc 10	Hildebran	NC	28637	Burke	UST
0-004665	Drexel Heritage Furniture Plt	104 1St St Nw	Hildebran	NC	28637	Burke	UST
0-007127	Happy Day Grocery 10108	761 Old Hwy 70	Hildebran	NC	28637	Burke	UST
0-007374	U.S. Post Office	521-A Us Hwy 70 East	Hildebran	NC	28637	Burke	UST
0-011137	Tomken Enterprises	510 Us Hwy 70 East	Hildebran	NC	28637	Burke	UST
0-025312	W.M. Cramer Lumber Company	3486 Tex'S Fish Camp Rd	Hildebran	NC	28612	Burke	UST
0-028620	Fast Track 114	S Center St & Henry River Road	Hildebran	NC	28637	Burke	UST
0-229580	Hildebran Municapl Complex	202 S Center Street	Hildebran	NC	28637	Burke	UST
1205	Williams Septic Tank Service	Po Box 546	Hudson	NC	28638	Burke	SDS
NCD980803274	Spartacraft Inc	3720 Icard-Rhodhiss Rd	Icard	NC	28612	Burke	HWGT
13259	Smokey'S Union 76	Highway 70 East	Icard	NC	28666 -	Burke	PIRF
12568	Burke Oil-Icard Storage	Hwy 70	Icard	NC	28666	Burke	PIRF
12979	James Miniard Residence	8386 Oliver Childers Rd.	Icard	NC	28666	Burke	PIRF
NONCD0000176	Rhodhiss Landfill		Icard	NC		Burke	UDS
0-004926	Jack B Quick 7	7841 Old Nc 10	Icard	NC	28666	Burke	UST
NC0048755	Monte Carlo Trailer Park	1606 Poplar St	Lenoir	NC	28645	Burke	NPDES
NCG520084	Smith Pit	265 Old School Rd	Lenoir	NC	28645	Burke	NPDES
1711DD21E319C0F18 52571060054CCA8	Duke Energy - Longview Tie & Retail	41St St Nw & Hwy 64	Longview	NC	28601	Burke	TII
NCD003163888	Henredon Furniture Inds	Henredon Rd	Morganton	NC	28655	Burke	CERCLIS
NCD003167988	Marantz Piano Co Inc	Hwy 64 Hwy 70 East	Morganton	NC	28655	Burke	CERCLIS
WQ0002127	City Of Morganton Morganite Composting Facility And Distribution Program	Po Box 3448	Morganton	NC	28655 9850	Burke	NDP
NC0000032573	Unlimited Finishing Plt 1 ** Inactive **	805 E Union St	Morganton	NC	28655	Burke	HWGT

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NC0000102897	Designs Des Carolines	901 East Union	Morganton	NC	28655	Burke	HWGT
NC0000960518	Bakers Waste Equipment Incorporated	223 Baker Street	Morganton	NC	28655	Burke	HWGT
NCD003163888	Henredon Furniture Industries Plant 1 & 2	400 Henredon Road	Morganton	NC	28655	Burke	HWGT
NCD041520024	Leviton Manufacturing Southern Devices Division	113 Industrial Blvd.	Morganton	NC	28655	Burke	HWGT
NCD049997786	Basf Corporation	1110 Carbon City Rd.	Morganton	NC	28655	Burke	HWGT
NCD071068589	Grace Hospital Incorporated	2201 S Sterling St	Morganton	NC	28655	Burke	HWGT
NCD091258517	Dana Corporation	105 Wamsutta Mill Rd.	Morganton	NC	28655	Burke	HWGT
NCD108694258	Micheal Chevrolet. Incorporated	814 West Union Street	Morganton	NC	28655	Burke	HWGT
NCD185374899	Molded Fiber Glass Company	213 Reep Drive	Morganton	NC	28655	Burke	HWGT
NCD981020258	Drexel Heritage Furniture Plant 33	210 New St.	Morganton	NC	28655	Burke	HWGT
NCD982086654	Brackett Brothers Corporation	4875 Brackett-Lyles Dr.	Morganton	NC	28655	Burke	HWGT
NCD982121790	Synthron Incorporated	305 Amherst Rd.	Morganton	NC	28655	Burke	HWGT
NCD982165524	Case Farms Of N C Incorporated	121 Rand St.	Morganton	NC	28655	Burke	HWGT
NCD982174955	American Roller Bearing Co	307 Burke Dr	Morganton	NC	28655	Burke	HWGT
NCD986174738	Ej Victor Furniture Company	110 Wamsutta Mill Road	Morganton	NC	28680 0309	Burke	HWGT
NCD986228930	Capri Industries	1401 Burkemont Ave	Morganton	NC	28680 8040	Burke	HWGT
NCD986229201	Continental Teves	1103 Jamestown Rd	Morganton	NC	28655	Burke	HWGT
NCD986231868	Kimble Glass Morganton	114 Wamsutta Mill Rd	Morganton	NC	28655	Burke	HWGT
NCD991278946	Drexel Heritage Plt 70	420 Hogan Street	Morganton	NC	28655	Burke	HWGT
NCR000000653	Unlimited Finishing Number 2	320 Burke Drive	Morganton	NC	28655	Burke	HWGT
NCR000000760	Wnc School For The Deaf	517 West Fleming Drive	Morganton	NC	28655	Burke	HWGT
NCR000002725	Paramount Honda Of Morganton Inc	1600 Burkemont	Morganton	NC	28655	Burke	HWGT
NCR000003111	Borden Chemical Incorporated	114 Industrial Blvd.	Morganton	NC	28655	Burke	HWGT
NCR000007450	Drexel Heritage Plt 7	109 E Fleming Dr	Morganton	NC	28655	Burke	HWGT
NCD000609784	Pt Componenets Inc	1 Chain Dr	Morganton	NC	28655	Burke	HWGT
NCD061262226	Wright Table Co	Hwy 18 N	Morganton	NC	28655	Burke	HWGT
NCD981029135	Ferree Cleaners	406 S Sterling St	Morganton	NC	28655	Burke	HWGT
NCD981757065	Mastercraft Fabrics Llc Doblin	2128 S Sterling St	Morganton	NC	28655	Burke	HWGT
NCD982123994	Western Carolina Ctr	300 Enola Rd	Morganton	NC	28655	Burke	HWGT
NCD986166627	Specilized Technological Services Inc	Rt 7 Box 152-D	Morganton	NC	28655	Burke	HWGT
NCD986206837	Rollins Leasing Corp-394	607 Jamestown Rd	Morganton	NC	28655	Burke	HWGT
NCD986213536	Packaging Corp Of America	114 Dixie Blvd	Morganton	NC	28655	Burke	HWGT
NCD986230357	Ryder Truck Rental Inc	520 Hopewell Rd	Morganton	NC	28655 8268	Burke	HWGT
NCD986230845	Morrison Body Shop	723 E Meeting St	Morganton	NC	28655	Burke	HWGT
NCD986231298	Puett Body Shop	2200 Bristoh Creek Ave	Morganton	NC	28655	Burke	HWGT
NCD986232254	Emery Corporation	Hwy 181 North	Morganton	NC	28655	Burke	HWGT
NCR000008557	Environmental Inks & Coatings	1 Quality Products Rd	Morganton	NC	28655	Burke	HWGT
NCR000010918	Rans Finishing	131 Reep Dr	Morganton	NC	28655	Burke	HWGT

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NCR00011122	Ej Victor Inc (Upholstery Div)	113 Bost Rd	Morganton	NC	28655	Burke	HWGT
NCR00012823	Robert Berglin Co	628 E Meeting St	Morganton	NC	28655	Burke	HWGT
NCR000136150	Drexel Heritage Plt 71	212 E Fleming Dr	Morganton	NC	28655	Burke	HWGT
NCR000137257	Drexel Heritage Plt 75	600 Causby Rd	Morganton	NC	28655	Burke	HWGT
NCD003171691	Drexel Heritage Furnishings Plant 3/5	309 Hogan St	Morganton	NC	UNK NOW N	Burke	HWGT
NCR000136168	Drexel Heritage Plt 60	410 Hogan St	Morganton	NC	UNK NOW N	Burke	HWGT
NC0026573	Catawba River Pollution Control Facility	1000 Vine Arden Rd	Morganton	NC	28680	Burke	NPDES
NC0060194	Catawba River Wtp	100 Coulter St	Morganton	NC	28655	Burke	NPDES
NCG020177	Vulcan Construction Materials- Morganton	Causby Quarry Rd	Morganton	NC	28680	Burke	NPDES
NCG050240	Molded Fiber Glass Comp	213 Reep Dr	Morganton	NC	28655	Burke	NPDES
NCG070085	Hairfield Wilbert Burial Vault	3098 Morganton Furniture	Morganton	NC	28655	Burke	NPDES
NCG080501	Nc Nat Gd- Morganton	Po Box 250 411 Kirksey Dr	Morganton	NC	28680	Burke	NPDES
NCG090013	Morganton Plant	1110 Carbon City Rd	Morganton	NC	28655	Burke	NPDES
NCG100074	I 40 Auto Parts Incorporated	1233 Bethel Rd	Morganton	NC	28655	Burke	NPDES
NCG180214	Drexel Heritage Furnishings-#7	109 E Fleming Dr	Morganton	NC	28655	Burke	NPDES
NCG110083	Catawba River Pollution Control Facility	1000 Vine Arden Rd	Morganton	NC	28680	Burke	NPDES
NCG140205	Cemex-Morganton-Little Silver Creek	7 Romarco Rd	Morganton	NC	28655	Burke	NPDES
NCG160069	Apac Atlantic Inc-Morganton	180 Causby Quarry Rd	Morganton	NC	28655	Burke	NPDES
NCG170296	Mastercraft Fabrics Llc-Morgan	Hwy 18 S	Morganton	NC	28655	Burke	NPDES
NCG180033	Joe Harrill Henredon Furniture	400 Henredon Rd	Morganton	NC	28655	Burke	NPDES
NCG180090	Drexel Heritage Furnishings-60	410 Hogan St	Morganton	NC	28655	Burke	NPDES
NCG500174	Morganton Plant	1110 Carbon City Rd	Morganton	NC	28655	Burke	NPDES
NCG500212	Hexion Specialty Chemicals	114 Industrial Blvd	Morganton	NC	28655	Burke	NPDES
NCG550207	Roberts Brenda- Residence	Brook Hollow Subd Lot 4	Morganton	NC	28655	Burke	NPDES
NCG550551	Clontz Residence	3077 Stoney Creek Dr	Morganton	NC	28655	Burke	NPDES
NCGNE0189	The News Herald	301 Collett St	Morganton	NC	28655	Burke	NPDES
NCS000007	Synthron Incorporated	305 Amherst Rd	Morganton	NC	28655	Burke	NPDES
NCS000009	Sgl Carbon Corporation	307 Jamestown Rd	Morganton	NC	28655	Burke	NPDES
NCS000332	Hexion Specialty Chemicals	114 Industrial Blvd	Morganton	NC	28655	Burke	NPDES
NC0005258	Sgl Carbon Corporation	307 Jamestown Rd	Morganton	NC	28655	Burke	NPDES
NCG120067	John'S River Waste Management Facility	2500 Marsh Trl	Morganton	NC	28655	Burke	NPDES
NCG080678	Burke County Garage	2500 Marsh Trl	Morganton	NC	28655	Burke	NPDES
NCG520090	Mabe Pit	1000 - 1209 Atioch	Morganton	NC	28655	Burke	NPDES
NCG080724	Morganton City-Warehouse And Garage	96 Kirk St	Morganton	NC	28680 3448	Burke	NPDES
NCG170400	Viscotec Automotive Products, Llc	1500 E Union St	Morganton	NC	28655	Burke	NPDES
NCG050220	Packaging Corporation Of America	114 Dixie Blvd	Morganton	NC	28680	Burke	NPDES
NCG060115	Case Farms-B & L	120 Dixie Blvd	Morganton	NC	28655	Burke	NPDES
NCG070042	Mull'S Concrete & Septic Tanks	Hawkins Dr	Morganton	NC	28655	Burke	NPDES



**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NCG080210	Garbage Disposal Serice-Burke	2911B S Sterling Stre	Morganton	NC	28655	Burke	NPDES
NCD986172195	Morganton Pub Pwr	211 Kirk St	Morganton	NC	28655 -	Burke	PCBS
28234	Ncdot Morganton Heating Oil	2161-C Mt. Home Church Road	Morganton	NC	28655	Burke	PIRF
28177	Arney Trust	208 South Sterling Street	Morganton	NC	UNK NOW N	Burke	PIRF
3295	Coca-Cola Distributing Co.	Morganton	Morganton	NC	UNK NOW N	Burke	PIRF
5161	Southern Devices	Post Office Drawer 68	Morganton	NC	28680 -	Burke	PIRF
10102	W. W. Convenience	Box 189	Morganton	NC	28655	Burke	PIRF
6446	Breeden Poultry/Case Farms	P.O. Box 308	Morganton	NC	UNK NOW N	Burke	PIRF
6746	Form. Burke Oil Co.-Hardee'S	Hwy 181 And Hwy 126	Morganton	NC	UNK NOW N	Burke	PIRF
6652	Form. Mull Oil Site-Morganton	Unknown	Morganton	NC	UNK NOW N	Burke	PIRF
8139	Doblin Mastercraft Fabrics	Sterling St And W Parker Rd	Morganton	NC	28655 -	Burke	PIRF
7275	Broughton Hospital	1000 S. Sterling Street	Morganton	NC	UNK NOW N	Burke	PIRF
7413	Millers Exxon	College St. & W. Union St.	Morganton	NC	28655	Burke	PIRF
7557	Burke County School Bus Garage	Kirksey Drive	Morganton	NC	28655 -	Burke	PIRF
17745	Triggs Property	410 S Green Street	Morganton	NC	28655	Burke	PIRF
12410	Grace Hospital	2201 S. Sterling Street	Morganton	NC	UNK NOW N	Burke	PIRF
15053	Hairfield-Wilbert Burial Vault	408 West Fleming Drive	Morganton	NC	28655 -	Burke	PIRF
15006	Superior Food Plaza #3	1000 West Union Street	Morganton	NC	28655	Burke	PIRF
12040	Mull Brothers Grocery	Enola Rd	Morganton	NC	28655	Burke	PIRF
12170	Silver Creek Airport	Off Romarco Rd	Morganton	NC	28655	Burke	PIRF
12171	Point Service Station	Avery Ave	Morganton	NC	28655	Burke	PIRF
11282	Henredon Furniture	P. O. Box 70	Morganton	NC	28655 -	Burke	PIRF
23638	Grace Hospital Tank #2	2201 S. Sterling St.	Morganton	NC	28655 -	Burke	PIRF
20326	Foothills Service Center	312 East Union Street	Morganton	NC	UNK NOW N	Burke	PIRF
20325	Corpening'S Auto Salon	104 Avery Avenue	Morganton	NC	UNK NOW N	Burke	PIRF
20324	East End Market	725 East Meeting Street	Morganton	NC	UNK NOW N	Burke	PIRF
28236	Plaza Bp Service	101 West Fleming Drive	Morganton	NC	28655	Burke	PIRF
28288	Colonel'S Pantry #5	320 Carbon City Road	Morganton	NC	28655	Burke	PIRF
5100	Minute Saver Market	855 N. Green St	Morganton	NC	28655	Burke	PIRF
13282	Garrison'S Store	610 Salem Road (Us Hwy 64 S)	Morganton	NC	28655	Burke	PIRF
12438	Morganton Dot Maintenance	2161 C Mt. Home Church Road	Morganton	NC	UNK NOW N	Burke	PIRF
24386	Stroupe'S Septic Tank Service	2698 Mtn Home Church Rd	Morganton	NC	28655 -	Burke	PIRF
625	Great Lakes-Romarco	Sr 1142	Morganton	NC	28655	Burke	PIRF
10683	Capri Industries, Inc.	1401 Burkemont Ave.	Morganton	NC	28655	Burke	PIRF
8674	Marantz Co.-Waste Oil Spill	Us Hyw 64-70	Morganton	NC	28655	Burke	PIRF

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
8677	Marantz Co.-Fuel Oil Spill	Us 70 Hwy 64-70	Morganton	NC	28655	Burke	PIRF
10460	Kincaid-Formerly Marantz Piano	Us Hwy 64-70	Morganton	NC	28655	Burke	PIRF
9868	Mull Oil, Inc. Bulk Storage	500 W. Fleming Dr.	Morganton	NC	28655	Burke	PIRF
21518	Ethan Allen Facility (Former)	111 Drexel Rd.	Morganton	NC	28655	Burke	PIRF
85459	Orrison Property	611 South Sterling Street	Morganton	NC	28655	Burke	PIRF
85785	T & T Supermarket	261 West Fleming Drive	Morganton	NC	28655	Burke	PIRF
85992	Sgl Carbon, Llc	307 Jamestown Road	Morganton	NC	28680-0040	Burke	PIRF
86392	Ncdot Burke County Maintenance Yard	2161 C Mt. Home Church Road	Morganton	NC	28655	Burke	PIRF
86432	National Textiles	Jamestown Road At I-40 Intersect.	Morganton	NC	UNK NOW N	Burke	PIRF
00B51B389AEC24648 525702F003CB977	City Of Morganton - Waste Treatment Plant	1000 Vine Arden Rd	Morganton	NC	28655	Burke	TII
0F50F23C24798A8285 256FC1005FF633	Molded Fiber Glass North Carolina	213 Reep Road	Morganton	NC	28655	Burke	TII
1A9B5F17DBA9C697 85256FD3005B2E4C	Syntron, Inc	305 Amherst Road	Morganton	NC	28655-9362	Burke	TII
317A99C8E851ECD48 52571060054CF7A	Duke Energy - Table Rock Tie Substation	Carbon City Rd	Morganton	NC	28655	Burke	TII
35D46FA6EA593F308 5256FF8005CBC15	Summitville Carolina, Inc	One Ceramic Tile Drive	Morganton	NC	28655	Burke	TII
445C01563F024B7485 25702F0070F175	Case Farms, Inc - Rand St	121 Rand St	Morganton	NC	28655	Burke	TII
4BB86CA3347E080E8 5256FE9006022EC	Viscotec Automotive Products, Llc	1500 East Union Street	Morganton	NC	28680	Burke	TII
4F80BD6CCED7AEF3 85256FA1005BC520	Ncdoc - Foothills Correctional Institution	5150 Western Ave	Morganton	NC	28655	Burke	TII
5C2C5A4FA1BA5866 852571060054CF7D	Duke Energy - Morganton Tie Substation	Rand St	Morganton	NC	28655	Burke	TII
5F5841225943E05185 25702F003CB7E1	City Of Morganton - Water Plant	100 Coulter St	Morganton	NC	28655	Burke	TII
70CC4FE83B2DB3718 525702F0070F17C	Case Farms, Inc - Dixie Blvd	120 Dixie Blvd	Morganton	NC	28655	Burke	TII
72F60CB843BDA6BA 8525702F0070F180	Case Farms, Inc - Foreman Rd	1119 Foreman Rd	Morganton	NC	28655	Burke	TII
8900C74032F7FD6385 2571060054CF77	Duke Energy - Canoe Creek Retail	150 Independence Blvd	Morganton	NC	28655	Burke	TII
E9F6834C1C363A718 52571060054CF6E	Duke Energy - Sgl Carbon Group Morganton	Old Jamestown Rd	Morganton	NC	28655	Burke	TII
F576E802755FAD6C8 5256F94004A412F	Ncdoc - Western Youth Institution	5155 Western Ave	Morganton	NC	28655	Burke	TII
02E42D7ACE7E6EAB 85257061004B199E	Basf Corp - Morganton	1110 Carbon City Rd.	Morganton	NC	28655	Burke	TII
2F47C354EE923AD18 5256F93005302E9	Penske Truck Leasing Co, Lp - Morganton	607 Jamestown Rd	Morganton	NC	28655	Burke	TII
31F51523040411FA85 257014006D53BE	Carolina Energies - Morganton/Burkemon Ave	1240-B Burkemont Ave	Morganton	NC	28655	Burke	TII
3398ED344BAB53D7 85256FF8005CBBF1	Grace Hospital, Inc	2201 South Sterling Street	Morganton	NC	28655	Burke	TII
3A918190D9B7584C8 525701200624BC1	Heritage Propane - Morganton/230 Dixie	230 Dixie Blvd	Morganton	NC	28655	Burke	TII
45A40131989D079585 257014006D53B7	Carolina Energies - Morganton/Carbon City Rd	1130 Carbon City Rd	Morganton	NC	28655	Burke	TII
4655C14143E4E9CA8 5257013006C7800	Superior Petroleum & Fuel Co - Morganton	901 W Fleming Dr	Morganton	NC	28680	Burke	TII
46FB14C824C0705485 2570F500660241	Rutherford Emc - Morganton	614 Carbon City Road	Morganton	NC	28655	Burke	TII
4CECCEBEC748F053 85257014006D53D2	Carolina Energies - Minit Saver	855 N Green St	Morganton	NC	28655	Burke	TII
580725AB7E2678A18 525702B005DCE3E	Nc Farm Bureau Service Co, Inc - Morganton Warehouse	110 Rand St	Morganton	NC	28655	Burke	TII
698D1CC5B87ED9F1 85256FF90044DB8E	Packaging Corp Of America - Morganton	114 Dixie Blvd	Morganton	NC	28655	Burke	TII
7DA00DC6AD020FFB 8525705B0069BE53	Verizon Wireless - Morganton	207 Garrison Rd	Morganton	NC	28655	Burke	TII
8A98D1529857955B8 525701200624BBE	Heritage Propane - Morganton/120 Dixie	120 Dixie Blvd	Morganton	NC	28655	Burke	TII
8F54D94C9EBCFFC8 85256FA9005F7156	E J Victor, Inc	1020 North Green Street	Morganton	NC	28655	Burke	TII

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
927B0D7CB31A3B72 85256FE70060E3B0	Borden Chemical, Inc - Morganton	114 Industrial Blvd.	Morganton	NC	28655	Burke	TII
A0021383374053A685 25705B005EC393	Bellsouth - 22922	307 S Green St	Morganton	NC	28655	Burke	TII
A2A0C2F7843218E78 525702600464B10	Ryder Transportation Services #1303 Morganton	520 Hopewell Road	Morganton	NC	28655	Burke	TII
B4B726F6FF1924A38 5257102005B67CE	Henredon Furniture - Morganton Division	400 Henredon Road	Morganton	NC	28655	Burke	TII
CC6DDBE23C3F270F 85256FD6004DB710	Leviton-Southern Devices Division - Morganton	113 Industrial Blvd	Morganton	NC	28655	Burke	TII
D04197828F78A2D88 52571060054CFC5	Duke Energy - Nc State Hospital Broughton Tie & Del Substation	1500 S Sterling St	Morganton	NC	28655	Burke	TII
NONCD0000175	Kirksey Drive Lf		Morganton	NC		Burke	UDS
NONCD0000177	Morgantown Dump		Morganton	NC		Burke	UDS
0-000770	City Of Morganton	97 Kirk St	Morganton	NC	28655	Burke	UST
0-000398	Colonel'S Pantry 1	1504 Bethel Road	Morganton	NC	28655	Burke	UST
0-004891	Jack B Quick 10	Nc 18 Us 64 South	Morganton	NC		Burke	UST
0-003863	The Colonel'S Pantry 11/22304	Highway 18 North	Morganton	NC	28655	Burke	UST
0-004472	Penske Truck Leasing	607 Jamestown Rd.	Morganton	NC	28655	Burke	UST
0-004225	Valley Leasing, Inc.	818 West Union St	Morganton	NC	28655	Burke	UST
0-004326	J Iverson Riddle Development	300 Enola Road	Morganton	NC	28655	Burke	UST
0-004337	N.C. School For The Deaf	517 West Fleming Drive	Morganton	NC	28655	Burke	UST
0-004660	Drexel Heritage Furnish. Plt	309 Hogan Street	Morganton	NC	28655	Burke	UST
0-007331	Ferree Cleaners	406 South Sterling	Morganton	NC	28655	Burke	UST
0-007338	Nc Express	2205 South Sterling Street	Morganton	NC	28655	Burke	UST
0-007112	Southern Conv 601-10085	Hwy 64 1022 Burkmont	Morganton	NC	28655	Burke	UST
0-007121	C & W Convenience 10031	503 Burkemont Ave	Morganton	NC	28655	Burke	UST
0-007126	Carswell Package Store	1267 Burkemont Avenue	Morganton	NC	28655	Burke	UST
0-007130	B&D Package No. 10010	569 East Fleming Drive	Morganton	NC	28655	Burke	UST
0-007131	Kountry Market	3280 Hwy 18 South	Morganton	NC	28655	Burke	UST
0-007141	Gate Station 401	823 North Green Street Hwy 181	Morganton	NC	28655	Burke	UST
0-007756	Minit Saver Market	855 North Green Street	Morganton	NC	28655	Burke	UST
0-007788	Cubbard Citgo	303 Enola Road	Morganton	NC	28655	Burke	UST
0-007657	Joy Food Stores 444	1200 Burkemont Ave	Morganton	NC	28655	Burke	UST
0-007409	Colonel'S Pantry 6	301 West Union Street	Morganton	NC	28655	Burke	UST
0-007446	Holiday Laundry, Inc.	302 College St.	Morganton	NC	28655	Burke	UST
0-007604	Synthron, Inc.	305 Amherst Road	Morganton	NC	28655	Burke	UST
0-007791	Marshall'S 10084	410 Carbon City Road	Morganton	NC	28655	Burke	UST
0-007796	Salem General Store 10219	2078 Highway 64	Morganton	NC	28655	Burke	UST
0-007797	Southern Conv 227-10244	2308 S Sterling St	Morganton	NC	28655	Burke	UST
0-007811	East Union St Mkt 11027	917 E. Union St.	Morganton	NC	28655	Burke	UST
0-011042	Grace Hospital Inc	2201 S Sterling St	Morganton	NC	28655	Burke	UST
0-021142	Morganton 66 22793	301 Avery Street	Morganton	NC	28655	Burke	UST
0-021462	High Country Grocery	2210 Us 70 East	Morganton	NC	28655	Burke	UST

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
0-021846	Edwards State Nursery	701 Sanford Dr	Morganton	NC	28655	Burke	UST
0-023414	Quality Mart 22	2302 South Sterling Street	Morganton	NC	28655	Burke	UST
0-023497	Rutherford Emc	614 Carbon City Rd (Hwy 70)	Morganton	NC	28655	Burke	UST
0-024240	Cc&Ps Div Of State Hwy Patrol	260 Enola Road	Morganton	NC	28655	Burke	UST
0-024755	Nc Dot - Morganton (Div Thirt	2161 C Mt Home Church Road	Morganton	NC	28655	Burke	UST
0-025522	Colonel'S Pantry 7	1023 Burkcemont Ave	Morganton	NC	28655	Burke	UST
0-025536	Colonels Pantry 8	1000 West Union St	Morganton	NC	28655	Burke	UST
0-025720	Colonel'S Pantry 12 22382	2185 Highway 70 East	Morganton	NC	28655	Burke	UST
0-025796	Mccombs Oil Co.	101 Sanford Drive	Morganton	NC	28655	Burke	UST
0-026138	Ncda	1000 South Sterling Street	Morganton	NC	28655	Burke	UST
0-027278	Carpenter Company	705 Jamestown Rd Box 1157	Morganton	NC	28655	Burke	UST
0-029588	Chesterfield Elementary Schoo	2142 Pax Hill Road	Morganton	NC	28655	Burke	UST
0-029591	Burke County Sch Maint Dept	412 Kirksey Drive	Morganton	NC	28655	Burke	UST
0-031869	Southern Conv 295-38333	1307 S. Sterling Street	Morganton	NC		Burke	UST
0-032616	Tobacco Barn #2	401 Old Shelby Road	Morganton	NC	28655	Burke	UST
0-032761	Bypass Package Store	556 E Fleming Drive	Morganton	NC	28655	Burke	UST
0-033584	Ncdhr-Broughton Hospital	1000 South Sterling Street	Morganton	NC	28655	Burke	UST
0-033695	Gds-Morganton	2911 Nc 18 South	Morganton	NC	28655	Burke	UST
0-033548	Austins 2	1556 Zion Road	Morganton	NC	28655	Burke	UST
0-034074	Silver Creek Aviation. Inc	Off Romarco Road	Morganton	NC	28655	Burke	UST
0-034113	Colonels Pantry 2	100 West Fleming Drive	Morganton	NC	28655	Burke	UST
0-034147	Jack B Quick 11	1270 Burke Mont Avenue	Morganton	NC	28655	Burke	UST
0-034597	Carolina Energies	1420-B Burkemont Avenue	Morganton	NC	28655	Burke	UST
0-034600	B & J Superette	2940 Nc 18 Us 64	Morganton	NC	28655	Burke	UST
0-034809	Burke County Sheriffs Office	150 Government Drive	Morganton	NC	28655	Burke	UST
0-034882	Salem Express	1593 Salem Road	Morganton	NC	28655	Burke	UST
0-035130	M & B General Inc	3152 Hwy 18 South	Morganton	NC	28655	Burke	UST
0-035507	Raceway Store 6738	1215 Burkemont Avenue	Morganton	NC		Burke	UST
0-035912	Catawba River Wtaer Treatment	100 Coulter Street	Morganton	NC	28655	Burke	UST
0-207825	Garrison'S Store	610 Salem Road	Morganton	NC	28655	Burke	UST
0-207904	Five Star	100 Lenoir Road	Morganton	NC	28655	Burke	UST
0-225722	Henredon Furniture-Morganton	400 Henredon Road	Morganton	NC	28655	Burke	UST
NCD003163698	Great Lakes Carbon Corp	Jamestown Road	Morgantown	NC	28655 -	Burke	PCBS
NC0025917	Rhodhiss Wwtp	Catawba Ave	Rhodhiss	NC	28667	Burke	NPDES
NCR000002766	Paramount Ford Inc	101 Malcolm Blvd	Rutherford College	NC	28671	Burke	HWGT
NCGNE0258	Bsn-Jobst, Inc.	100 Beiersdorf Dr	Rutherford College	NC	28671	Burke	NPDES
NCG170393	O'Mara Texturing Corporation	160 Fashion Ave	Rutherford College	NC	28671	Burke	NPDES
24344	Pantry #181	300 Malcolm Boulevard	Rutherford College	NC	28671 -	Burke	PIRF

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
0-032655	Carolina Mills-Valdese	705 Lovelylady Road	Rutherford College	NC	28671	Burke	UST
0-207812	Discount Foods	610 Malcolm Avenue	Rutherford College	NC	28655	Burke	UST
9270	Small Engine Repair	Unknown	Unknown	NC	UNK NOW N	Burke	PIRF
16675	Burke County Rescue Squad	Unknown	Unknown	NC	UNK NOW N	Burke	PIRF
11787	Westworld Properties	Unknown	Unknown	NC	UNK NOW N	Burke	PIRF
13737	Leonhardt Building Supply	Unknown	Unknown	NC	UNK NOW N	Burke	PIRF
NCD000623140	Duracell Intl Lithium Systems Div	Lovelady Ln	Valdese	NC	28690	Burke	CERCLIS
NCSFN0407017	Duracell Intl Lithium Systems Div	Lovelady Ln	Valdese	NC	28690	Burke	CERCLIS
WQ0001990	Town Of Valdese Distribution Of Composted Residuals Program	Po Box 339	Valdese	NC	28690	Burke	NDP
NCD000623140	Saft America Incorporated	313 Crescent Street Northeast	Valdese	NC	28690	Burke	HWGT
NCD003159662	Burke Mills Incorporated	191 Sterling St.	Valdese	NC	28690	Burke	HWGT
NCD089149611	Hickory Hill Furniture Corporation	501 Hoyle Street	Valdese	NC	28690 0040	Burke	HWGT
NCD113337729	Dwarf Cars	437 E Main	Valdese	NC	28690	Burke	HWGT
NC0000015305	Valdese Packaging	2650 Mourglea Ave Se	Valdese	NC	28690	Burke	HWGT
NCD982120438	Valdese Weavers Inc	Exit 113 Off I-40	Valdese	NC	28690	Burke	HWGT
NCR000001305	Valdese Mfg	312 Columbo St	Valdese	NC	28690	Burke	HWGT
NCR000011627	Earthgrains Bakery Valdese	320 E Main St	Valdese	NC	28690	Burke	HWGT
NCG060232	Earthgrains Baking Co Incorporated	320 E Main St	Valdese	NC	28690	Burke	NPDES
NCG180201	Hickory Hill Furniture	501 Hoyle St	Valdese	NC	28690	Burke	NPDES
NCG170030	Valdese Mfg Co Div Of Meri	312 Colombo St	Valdese	NC	28690	Burke	NPDES
NCG170073	Valdese Weavers Incorporated	1000 Perkins Rd Se	Valdese	NC	28690	Burke	NPDES
NCG170096	Tefron Usa, Inc.	720 W Main St	Valdese	NC	28690	Burke	NPDES
NCG170097	Pineburr	408 Pineburr Ave Se	Valdese	NC	28690	Burke	NPDES
NCG170098	Alba Waldensian Inc-Alba Plant	406 Praley St	Valdese	NC	28690	Burke	NPDES
NCG170101	Burke Mills Incorporated	191 Sterling St Nw	Valdese	NC	28690	Burke	NPDES
NCG170126	Carolina Mills Incorporated-Plant 9	705 Lovelady Rd	Valdese	NC	28690	Burke	NPDES
NCG170309	Shenandoah Furniture, Inc.	1801 Main St E	Valdese	NC	28690	Burke	NPDES
NCG170364	Valdese Weavers Inc-F&D Plant	280 Crescent St Ne	Valdese	NC	28690	Burke	NPDES
NCG550457	Bivens- Residence	5324 Hazel St	Valdese	NC	28690	Burke	NPDES
24080	Waldensian Bakery-Valdese	320 East Main Stret	Valdese	NC	UNK NOW N	Burke	PIRF
28092	Saft Amercia	313 Crescent Street	Valdese	NC	28690	Burke	PIRF
9693	Burke Grading	Hwy 70 & Simmons Fork Road	Valdese	NC	28690	Burke	PIRF
10095	Burke Grading Company	1502 Highway 70 West	Valdese	NC	28690 -	Burke	PIRF
9701	Valdese Gen Hosp(2000 Gal Ust)	Malcom Blvd	Valdese	NC	28690	Burke	PIRF
8137	Valdese General Hospital	Malcom Blv	Valdese	NC	28690	Burke	PIRF
13255	Childers Market	Highway 70	Valdese	NC	UNK NOW N	Burke	PIRF
13139	Valdese Weavers	1000 Perkins Road, P.O.Box 70	Valdese	NC	UNK NOW	Burke	PIRF

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
13481	Colonel'S Pantry #10	Main Street	Valdese	NC	UNK NOW N	Burke	PIRF
16767	Burke Mills, Inc.	119 Sterling St.	Valdese	NC	28690	Burke	PIRF
044FF1FC5FB5115685 25705200577152	Carolina Mills, Inc - Plant 9	705 Lovelady Road	Valdese	NC	28690	Burke	TII
18FC091BC3D22B578 5256FD900544F5F	Hickory Hill Furniture	501 Hoyle Street Sw	Valdese	NC	28690	Burke	TII
B3C360958424F35585 25702B005DCE16	Valdese Weavers - Perkins	1000 Perkins Rd Se	Valdese	NC	28690	Burke	TII
B9A506FEECCA5369 852571060054CBC3	Duke Energy - Valdese Tie & Retail	PraleY St	Valdese	NC	28690	Burke	TII
E67ABAF070BA87C6 8525702B005DCE19	Valdese Weavers - Crescent	280 Cresent St Ne	Valdese	NC	28690	Burke	TII
F74FF397A9116D4E8 525700700475559	Saft America, Inc	313 Crescent Street	Valdese	NC	28690	Burke	TII
50764F530A06CB398 525700C005AC6B1	Nisbet Oil Co - Rapid Lube	726 Main St	Valdese	NC	28690	Burke	TII
E714BEE380B7A7608 5256FD900544F69	Alba-Waldensian, Inc	408 Pineburr Avenue	Valdese	NC	28690	Burke	TII
575B9C3DA9D8A1F7 852570F9005B0945	Town Of Valdese - Water Teatment Plant	5105 Lakeview Acres Rd	Valdese	NC	28690	Burke	TII
5EFE04A514C393938 5256FCC00612AA6	Valdese Textiles, Inc	1901 Main Street East	Valdese	NC	28690	Burke	TII
D56630C04668C46285 256FD30051F7E2	Burke Mills, Inc	191 Sterling Street	Valdese	NC	28690	Burke	TII
NONCD0000174	Valdese Refuse Dump		Valdese	NC		Burke	UDS
0-001313	Valdese Full Service And Auto	460 W Main St	Valdese	NC	28690	Burke	UST
0-004927	Jack B Quick 6	641 Main Street	Valdese	NC	28690	Burke	UST
0-007668	Childers Market	1708 East Main Street	Valdese	NC	28690	Burke	UST
0-024205	Valdese Funeral Home. Inc.	237 Main Street	Valdese	NC	28690	Burke	UST
0-027930	East-West Store	1294-Us-70 West	Valdese	NC	28690	Burke	UST
0-028196	Valdese Weavers Inc	1000 Perkins Road	Valdese	NC	28690	Burke	UST
0-033628	Blue Ridge Convenience	100-C Us 70	Valdese	NC	28655	Burke	UST
0-034557	One Stop 123	310 West Main Street	Valdese	NC	28690	Burke	UST
0-003343	Island Textiles. Inc.	340 Morgan Street	Valdese	NC	28690	Burke	UST
NCG080707	Valdese Public Works	100 Whisnant St	Zionville	NC	28698	Burke	NPDES
AWD140001	Triple Oaks Farm			NC		Caldwell	AO
NONCD0000192	Anderson Refuse Dump			NC		Caldwell	UDS
NONCD0000188	Garnes Refuse Dump			NC		Caldwell	UDS
0-004951	Jack B Quick 8	2036 Connelly Springs Road	Cajah Mountain	NC	28645	Caldwell	UST
NCD986204758	Gamewell Drum Site	Craig Mountain Rd	Gamewell	NC	28645	Caldwell	CERCLIS
AWS140003	B.G. Looper And Sons / Wesley Looper	4695 Petra Mill Road	Granite Falls	NC	28630	Caldwell	AO
WQ0002431	Huffman Finishing Co-Wwtp/A S	Po Box 170	Granite Falls	NC	28630	Caldwell	NDP
WQ0001618	Town Of Granite Falls Residuals Land Application Program	60 Meandering Way	Granite Falls	NC	28630	Caldwell	NDP
WQ0007169	Caldwell Ready-Mix Inc, Truck Washout	Po Box 461	Granite Falls	NC	28630	Caldwell	NDP
NCD003448453	Kincaid Furniture Company Incorporated Plant	175 North Main Street	Granite Falls	NC	28630	Caldwell	HWGT
NCD118318468	Neptco Incorporated	3908 Hickory Blvd.	Granite Falls	NC	28630	Caldwell	HWGT
NC0000092767	Shuford Mills Inc Granite Shop	8 Falls Ave	Granite Falls	NC	28630	Caldwell	HWGT
NCD986232437	Robert'S Furniture-Refinishing	119 Pinewood Rd	Granite Falls	NC	28630	Caldwell	HWGT
NCD982132227	Cambridge Chair Co	36 Dudley Ave	Granite Falls	NC	UNK NOW N	Caldwell	HWGT

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NC0021890	Granite Falls Wwtp	60 Meandering Way	Granite Falls	NC	28630	Caldwell	NPDES
NC0025135	Huffman Finishing	4919 Hickory Blvd	Granite Falls	NC	28630	Caldwell	NPDES
NC0030783	Baton Elementary School	1400 Baton School Rd	Granite Falls	NC	28630	Caldwell	NPDES
NC0035211	Dudley Shoals Plant	5100 Burns Rd	Granite Falls	NC	28630	Caldwell	NPDES
NC0041157	Gateway Alternate School	1889 Dudley Shoals Rd	Granite Falls	NC	28630	Caldwell	NPDES
NC0082546	Granite Falls Wtp	100 Lakeside Ave	Granite Falls	NC	28630	Caldwell	NPDES
NCG170225	Shuford Yarns Inc - Dudley Shoals	Rt 1	Granite Falls	NC	28630	Caldwell	NPDES
NCG180102	Kincaid Furniture Co Inc - Plant 14	175 N Main St	Granite Falls	NC	28630	Caldwell	NPDES
NCG500321	Dudley Shoals Facility	5100 Burns Rd	Granite Falls	NC	28630	Caldwell	NPDES
NCGNE0039	Allen-Beck Division-Hickory Springs Mfg. Co	3305 Kellina Ln	Granite Falls	NC	28630	Caldwell	NPDES
NCG210081	S2S Incorporated	Eddington Rd	Granite Falls	NC	28630	Caldwell	NPDES
NCG050301	Pregis Innovative Packaging, Inc.	3825 N Main Srtreet	Granite Falls	NC	28630	Caldwell	NPDES
NCG210103	Granite Hardwoods Incorporated	Hwy 321 A	Granite Falls	NC	28630	Caldwell	NPDES
24440	Wards Grocery	4130 Highway 321A	Granite Falls	NC	28630	Caldwell	PIRF
16240	Pappy'S Market (Kerosene And Diesel)	Rt 2 Box 200	Granite Falls	NC	28630	Caldwell	PIRF
22476	Story'S 1-Stop-Kerosene	4166 Us Highway 321-A	Granite Falls	NC	UNK NOW N	Caldwell	PIRF
22478	Story'S 1-Stop-Gasoline	4166 Us Highway 321-A	Granite Falls	NC	UNK NOW N	Caldwell	PIRF
9240	Jiffy Packaging	Unknown	Granite Falls	NC	28630	Caldwell	PIRF
14639	Allen-Beck Non-Petroleum	Hwy 321 N.	Granite Falls	NC	28603	Caldwell	PIRF
86077	Drum Oil Co.	Us 321A	Granite Falls	NC	28630	Caldwell	PIRF
CAFBE10CBCBB5107 8525706000567A7B	Sprint - Granite Falls Co	11 Crestview St	Granite Falls	NC	28630	Caldwell	TII
7A7B9D1AFFFAEA76 85257003004AA6D6	Pactiv Corp - Granite Falls	3825 N Main St.	Granite Falls	NC	28630	Caldwell	TII
B420C2C1254A8A098 525702B005DCFF1	Neptco, Inc - 003	3908 Hickory Blvd	Granite Falls	NC	28630	Caldwell	TII
D544F1DFCF2B2C5B 8525700B00409E31	Shuford Mills - Mill #2	121 Falls Avenue	Granite Falls	NC	28630	Caldwell	TII
0-000250	Mundays Sunoco	60 S Main St	Granite Falls	NC	28630	Caldwell	UST
0-004928	Jack B Quick 5	2790 Connelly Springs Road	Granite Falls	NC	28630	Caldwell	UST
0-004931	Jack B Quick 2	62 Falls Avenue	Granite Falls	NC	28630	Caldwell	UST
0-004602	Pappys Market	1733 Dudley Shoals Road	Granite Falls	NC	28630	Caldwell	UST
0-004972	Lake Rhodhiss H20 Treatment P	5474 Water Works Rd.	Granite Falls	NC	28630	Caldwell	UST
0-007125	Southern Conv 461-10102	64 South Main Street	Granite Falls	NC	28630	Caldwell	UST
0-007702	321 Fuel Stop	4075 Hickory Blvd - Hwy 321	Granite Falls	NC	28630	Caldwell	UST
0-021761	River Run Superette	2751 Connelly Springs Road	Granite Falls	NC	28630	Caldwell	UST
0-023311	Northside Superette (569)	124 Pinewood Road	Granite Falls	NC	28630	Caldwell	UST
0-027530	Sawmills Elementary School	4436 Sawmills School Rd	Granite Falls	NC	28630	Caldwell	UST
0-032704	Owens 2 (570)	600 Dudley Road	Granite Falls	NC	28630	Caldwell	UST
0-033455	Owens 6 (573)	91 S Main Street	Granite Falls	NC	28630	Caldwell	UST
0-034029	Coffeys Convenience (546)	4110 Lower Cedar Valley Road Se	Granite Falls	NC	28638	Caldwell	UST
0-034949	Dudley Shoals Elementary Scho	1500 Dudley Shoals Road	Granite Falls	NC	28630	Caldwell	UST

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
0-035511	Gb Express 220	3950 Hickory Blvd	Granite Falls	NC	28630	Caldwell	UST
0-036139	Owens Express #8	4940 Grace Chapel Road	Granite Falls	NC	28630	Caldwell	UST
0-011011	Bill'S Plumbing Co.. Inc.	280 Union Church Road	Granite Falls	NC	28630	Caldwell	UST
NCG170220	Shuford Mills Inc - Hudson Cloth	Po Box 2228	Hickory	NC	28603 2228	Caldwell	NPDES
5776640311772D3185 256FCD00614238	Merchants Distributors, Inc	5005 Alex Lee Blvd	Hickory	NC	28601	Caldwell	TII
0-004799	Northlakes Dock & Shop (568)	5623 Grace Chapel Road	Hickory	NC	28601	Caldwell	UST
0-034983	Merchants Distributors, Inc.	5005 Alex Lee Blvd.	Hickory	NC	28601	Caldwell	UST
NCD051324093	Kincaid Furniture Plt 6	168 East Main St	Hudson	NC	28638	Caldwell	HWGT
NCD079047148	Chemical Coatings Incorporated	3194 Hickory Blvd.	Hudson	NC	28638	Caldwell	HWGT
NCD098763352	Sealed Air Corporation	2001 International Boulevard	Hudson	NC	28638	Caldwell	HWGT
NCD986194520	Drum'S Radiator & Heating Service	131 Legion Rd	Hudson	NC	28645	Caldwell	HWGT
NCD986230613	Caldwell Community College	1000 Hickory Blvd	Hudson	NC	28638	Caldwell	HWGT
NCD980799142	Stat Inc	3062 Eli Ln	Hudson	NC	28638	Caldwell	HWGT
NCD980799142	Stat Inc	3062 Eli Ln	Hudson	NC	28638	Caldwell	HWGT
NCD982090565	Kincaid Furniture Co Plant #4	Freezor Locker Rd	Hudson	NC	28638	Caldwell	HWGT
NCD981922545	Tri County Ford Linc Merc Inc	Hwy 321 S	Hudson	NC	UNK NOW N	Caldwell	HWGT
NCD982138281	Innovated Auto Inc	3457 Hickory Blvd	Hudson	NC	28638	Caldwell	HWGT
NCD982166472	Fairway Cleaners	45 N Main St	Hudson	NC	28630	Caldwell	HWGT
NCD986214898	Bob Keen'S Auto Body Repair	1414 Cahaj Mountain Rd	Hudson	NC	28638	Caldwell	HWGT
NCR000007948	Shurtape Technologies-Hudson	220 Pleasant Hill Rd	Hudson	NC	28638	Caldwell	HWGT
NCR000009548	321 Radiator Shop Inc	3346 Hickory Blvd	Hudson	NC	28638	Caldwell	HWGT
NCG020039	Martin Marietta-Hudson	Sw Loop Blvd Bradford M	Hudson	NC	28638	Caldwell	NPDES
NCG050276	Shurtape Tech Incorporated-Hudson	220 Pleasant Hill Rd	Hudson	NC	28638	Caldwell	NPDES
NCG090019	Chemical Coatings Incorporated	3194 Hickory Blvd	Hudson	NC	28638	Caldwell	NPDES
NCG140303	Caldwell Ready Mix Incorporated	2823 Mission Rd	Hudson	NC	28638	Caldwell	NPDES
NCG180110	Kincaid Furniture Co-Plants1&6	Hwy 321 A	Hudson	NC	28638	Caldwell	NPDES
NCG180111	Kincaid Furniture Co-Plant #8	Rocky Rd	Hudson	NC	28638	Caldwell	NPDES
NCGNE0062	Allen-Beck Sewing	105 Hall Industrial Park	Hudson	NC	28638	Caldwell	NPDES
NCS000051	J P Leather Company Inc Arcona Division	2615 Mission Rd	Hudson	NC	28638	Caldwell	NPDES
NCG050151	Sealed Air Corporation-Hudson	2001 International Blvd	Hudson	NC	28638	Caldwell	NPDES
9709	Nedot-Hudson	Pleasant Hill Road	Hudson	NC	UNK NOW N	Caldwell	PIRF
10903	Hudson Superette	583 Main Street	Hudson	NC	28638	Caldwell	PIRF
28086	Davis Wood Products	S. Main Street	Hudson	NC	UNK NOW N	Caldwell	PIRF
28111	Caldwell Community College	2855 Hickory Blvd.	Hudson	NC	28638	Caldwell	PIRF
10131	Lee'S Short Stop	255 Cedar Valley Road	Hudson	NC	UNK NOW N	Caldwell	PIRF
10048	Crossroads Superette	1244 Cahaj Mtn Road	Hudson	NC	28638 -	Caldwell	PIRF
16635	Dot-Hudson Office	309 Pine Mtn Rd	Hudson	NC	UNK NOW N	Caldwell	PIRF



**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
3354	Alice Starnes Residence	Rt 2, Box 244	Hudson	NC	28638	Caldwell	PIRF
118C53234BB69F6F8 5256FCD006D4CAD	Sealed Air Corp - Hudson	2001 International Blvd	Hudson	NC	28638	Caldwell	TII
FB95576878685E1985 256FA9006E0BD1	Rpm Wood Finishes Group, Inc - Chemical Coatings, Inc	3194 Hickory Boulevard	Hudson	NC	28638	Caldwell	TII
60D0AD3116473AE78 525700B00409E08	Shurtape Technologies, Llc - Hudson Tape	220 Pleasant Hill Rd	Hudson	NC	28638	Caldwell	TII
EE2A875BFFF099378 5256FF8005CBC60	Kincaid - Hudson Plant 1	168 Main Street	Hudson	NC	28638	Caldwell	TII
FD3CDE421DD8DD3 48525700B00409C81	Shuford Mills - Hudson Cloth	447 Main Street	Hudson	NC	28638	Caldwell	TII
086D7C8EDBF59F778 525705B005EC395	Bellsouth - 22920	171 Main St	Hudson	NC	28638	Caldwell	TII
0C7B9BB9C13646F78 525700B00409E2A	Shuford Mills - Shur Spun	290 Pleasant Hill Rd	Hudson	NC	28638	Caldwell	TII
0-002419	Kwik Stop	255 Cedar Valley Road	Hudson	NC	28638	Caldwell	UST
0-003459	Cut Rate Grocery	Highway 321 A N	Hudson	NC	28638	Caldwell	UST
0-004936	Hudson Superette	583 Main Street	Hudson	NC	28638	Caldwell	UST
0-004798	Food Fare (557)	139 Main Street	Hudson	NC	28638	Caldwell	UST
0-007232	Anderson Truck Line, Inc.	2698 Hickory Boulevard	Hudson	NC	28638	Caldwell	UST
0-007809	Yogi Foods (575)	4018 Us Hwy 321-A	Hudson	NC	28638	Caldwell	UST
0-011063	Town Of Hudson Garage	113 Mathewson Street	Hudson	NC	28638	Caldwell	UST
0-024241	Cc&Ps Div. Of St. Highway Pat	309 Pine Mountain Road	Hudson	NC	28638	Caldwell	UST
0-024551	Tri-County Superette & Deli	1240 Cahaj Mountain Rd	Hudson	NC	28638	Caldwell	UST
0-024851	Ne Dot - Hudson (Div Eleven)	249 Pleasant Hill Road	Hudson	NC	28638	Caldwell	UST
0-026428	Community Grocery	Old Hwy 321A Po Box 706	Hudson	NC	28638	Caldwell	UST
0-034130	Owens 7 (574)	1494 Cahaj Mountain Road	Hudson	NC	28638	Caldwell	UST
7367	Neptco Plant	Trc Env Consultants	Lenior	NC	28645	Caldwell	PIRF
0-007109	Holiday Foods 3	933 Wilkesboro Blvd	Lenior	NC	28645	Caldwell	UST
0-007806	Holiday Foods 2	1718 Morganton Blvd.,S.W.	Lenior	NC	28645	Caldwell	UST
0-033928	Caldwell County Sheriff's Off	212 Mulberry Street	Lenior	NC	28645	Caldwell	UST
0-033929	Foothills Area Programs	606 College Avenue	Lenior	NC	28645	Caldwell	UST
AWC140007	Clay'S Dairy	4415 Celia Creek Road	Lenoir	NC	28645	Caldwell	AO
NCD000604322	Singer Co Furniture Div Plts 3 4 & Mh	904 Virginia St	Lenoir	NC	28645	Caldwell	CERCLIS
NCD000604330	Singer Co Furniture Div Plt #1	1409 West College Ave Sw	Lenoir	NC	28645	Caldwell	CERCLIS
NCD003158979	Bernhardt Furniture Co Plant #2	Virginia St	Lenoir	NC	28645	Caldwell	CERCLIS
NCD045456134	Buss Automation Inc	511 Creekway Dr Nw	Lenoir	NC	28645	Caldwell	CERCLIS
NCD062568035	Singer Co Furniture Div 5 6 7 & Cwh	2424 Norwood St-Hwy 321S	Lenoir	NC	28645	Caldwell	CERCLIS
NCD079066833	Lenoir Refining Co	263 Pennton Ave Nw	Lenoir	NC	28645	Caldwell	CERCLIS
NCD980557888	Lenoir City Ldfl	904 Virginia St	Lenoir	NC	28645	Caldwell	CERCLIS
NCD980799142	Caldwell Industrial Services	Spartan Rd	Lenoir	NC	28645	Caldwell	CERCLIS
NCD991278466	Broyhill Furniture Miller Hill Comp	Miller Hill Rd/Nc 18 S	Lenoir	NC	28645	Caldwell	CERCLIS
NCD000829101	Bernhardt Furniture Plant 5	1904 Morganton Boulevard Southwest	Lenoir	NC	28645	Caldwell	HWGT
NCD000829119	Bernhardt Furniture Plant 7	1402 Morganton Blvd. S.W.	Lenoir	NC	28645	Caldwell	HWGT
NCD000829127	Bernhardt Furniture Plant 3	1502 Morganton Blvd. S.W.	Lenoir	NC	28645	Caldwell	HWGT

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NCD001936699	Bernhardt Furniture Plant 1	1548 Morganton Blvd. S.W.	Lenoir	NC	28645	Caldwell	HWGT
NCD003158979	Bernhardt Furniture Plant 2	1828 Morganton Boulevard	Lenoir	NC	28645	Caldwell	HWGT
NCD003159084	Kincaid Furniture Company Plant Number 5	2464 Norwood Street Southwest	Lenoir	NC	28645	Caldwell	HWGT
NCD003159126	Fairfield Chair Plant 1	1331 Harper Avenue Southwest	Lenoir	NC	28645	Caldwell	HWGT
NCD038556726	Meridian Automotive Systems	601 Hibriten Drive Southwest	Lenoir	NC	28645	Caldwell	HWGT
NCD045456134	Buss Automation Incorporated	511 Creekway Dr Nw	Lenoir	NC	28645	Caldwell	HWGT
NCD054290770	Thomasville Furniture Industries Incorporated Lenoir Plant	315 Elizabeth Street North West	Lenoir	NC	28645	Caldwell	HWGT
NCD980709224	Duff Norton Company Fluid Power Plant	916 Connelly Springs Road	Lenoir	NC	28645	Caldwell	HWGT
NCD981025406	Paxar Printed Label Group	950 German St.	Lenoir	NC	28645	Caldwell	HWGT
NCD981862683	Tom Brooks Chevrolet- Buick	515 Wilkesboro Blvd Ne	Lenoir	NC	28645	Caldwell	HWGT
NCD982115289	City Service Cleaners And Laundry	1036 Harpers Avenue North West	Lenoir	NC	28645	Caldwell	HWGT
NCD982131773	Air Power Inc	724 Harrisburg Rd Sw	Lenoir	NC	28645	Caldwell	HWGT
NCD982134207	Calvin Madison Incorporated	602 Creekway Dr	Lenoir	NC	28645	Caldwell	HWGT
NCD982140071	Grand Manor Furn	929 Harrisburg Dr Sw	Lenoir	NC	28645	Caldwell	HWGT
NCD986171916	Dml Mccreary Div	2419 Norwood St Sw	Lenoir	NC	28645	Caldwell	HWGT
NCD986198711	Caldwell Freight Lines Inc	2550 Hickory Blvd	Lenoir	NC	28645	Caldwell	HWGT
NCD986215531	Cytosol Ophthalmics Lenoir	1325 William White Place Northeast	Lenoir	NC	28645	Caldwell	HWGT
NCD986232619	Greer Laboratories Inc	639 Nuway Cir	Lenoir	NC	28645	Caldwell	HWGT
NCD991278276	Fairfield Chair Company Plant #2	606 Kincaid Circle South West	Lenoir	NC	28645	Caldwell	HWGT
NC0000268094	Ryder Truck Rental Inc	1305 Virginia St Sw	Lenoir	NC	28645 8177	Caldwell	HWGT
NCD054511860	Mccreary Chair	2929 Morganton Blvd	Lenoir	NC	28645	Caldwell	HWGT
NCD982088767	Barlowes Laundry	325 Harper Ave	Lenoir	NC	28645	Caldwell	HWGT
NCD982094641	Bush Inc	2581 Hickory Blvd Se	Lenoir	NC	28645	Caldwell	HWGT
NCD982128290	Ed'S Used Cars	202 Union Grove Rd	Lenoir	NC	28645	Caldwell	HWGT
NCD003156213	Lenoir Mirror Co	401 Kincaid St	Lenoir	NC	UNK NOW N	Caldwell	HWGT
NCD089158323	Nacco Materials Handling Group, Inc.	2040 Morganton Boulevard	Lenoir	NC	UNK NOW N	Caldwell	HWGT
NCD095465035	Neptco Inc	2012 Hickory Blvd	Lenoir	NC	UNK NOW N	Caldwell	HWGT
NCD981480858	Jordans Cleaners	220 Morganton Blvd Sw	Lenoir	NC	UNK NOW N	Caldwell	HWGT
NCD982134249	D R Kincaid Chair Co	Sheely Rd Rt 11 Box 109	Lenoir	NC	28645	Caldwell	HWGT
NCD986172534	Kimble Glass Cajahs Mt	1755 Connelly Springs Rd	Lenoir	NC	28645	Caldwell	HWGT
NCD986175982	Blue Ridge Labs	Pine Mountain Rd	Lenoir	NC	28645	Caldwell	HWGT
NCD986177400	Bellsouth Telecommunications	1047 Harper Ave	Lenoir	NC	28645	Caldwell	HWGT
NCD986187185	Sonny Hancock Chrysler	2206 Hickory Blvd	Lenoir	NC	28645	Caldwell	HWGT
NCD986213296	Caldwell Memorial Hospital	321 Mulberry St	Lenoir	NC	28645	Caldwell	HWGT
NCD986230332	Ryder Truck Rental Inc	734 Harrisburg Dr Sw	Lenoir	NC	28645 6122	Caldwell	HWGT
NCD986230704	Appalachian Outdoor Advertising	2510 Norwood St	Lenoir	NC	28645	Caldwell	HWGT
NCD991278342	Broyhill Furniture Inds Inc Harper Plt	418 S Prospect St	Lenoir	NC	UNK NOW N	Caldwell	HWGT

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NC0023736	Gunpowder Creek Wwtp	Ncsr 1127	Lenoir	NC	28645	Caldwell	NPDES
NC0023981	Lower Creek Wwtp	Ncsr 1149	Lenoir	NC	28645	Caldwell	NPDES
NC0044164	Lake Rhodhiss Wtp	5474 Waterworks Rd	Lenoir	NC	28645	Caldwell	NPDES
NCG140097	Hamby Brothers Concrete Incorporated	2051 Morganton Blvd Sw	Lenoir	NC	28645	Caldwell	NPDES
NCG180169	Thomasville Furniture Ind., Inc. - Lenoir Plant	315 Elizabeth St Nw	Lenoir	NC	28645	Caldwell	NPDES
NCG180189	Fairfield Chair Co-Plnt #2	606 Kincaid Cr Sw	Lenoir	NC	28645	Caldwell	NPDES
NCG180190	Fairfield Chair Co-Plt #1	107 Beall St Sw	Lenoir	NC	28645	Caldwell	NPDES
NCG110099	Gunpowder Creek Wwtp	Ncsr 1127	Lenoir	NC	28645	Caldwell	NPDES
NCG180080	Broyhill Furniture Ind-Whitnel	Hwy 321 A	Lenoir	NC	28633	Caldwell	NPDES
NCG180082	Broyhill Furniture Ind-Caldwel	Miller Hill Complex St	Lenoir	NC	28633	Caldwell	NPDES
NCG180101	Kincaid Furniture Co-Plant #5	2480 Norwood St	Lenoir	NC	28645	Caldwell	NPDES
NCG180152	Bernhardt Furniture Co-Cen Lum	714-B Lynn Haven Dr	Lenoir	NC	28645	Caldwell	NPDES
NCG180153	Bernhardt Furniture Co-Plt 5	1904 Morganton Blvd	Lenoir	NC	28645	Caldwell	NPDES
NCG180154	Bernhardt Furniture Co-Plt 7	1402 Morganton Blvd	Lenoir	NC	28645	Caldwell	NPDES
NCG180155	Bernhardt Furniture Co-Plt 3	1502 Morganton Blvd	Lenoir	NC	28645	Caldwell	NPDES
NCG180156	Bernhardt Furniture Co-Plt 2	1828 Murganton Blvd	Lenoir	NC	28645	Caldwell	NPDES
NCG180157	Bernhardt Furniture Co-Plt 1	1548 Morganton Blvd	Lenoir	NC	28645	Caldwell	NPDES
NCG500072	Lenoir Plant	315 Elizabeth St Nw	Lenoir	NC	28645	Caldwell	NPDES
NCG500178	Miller Hill Complex	Complex St	Lenoir	NC	28633	Caldwell	NPDES
NCG500179	Virginia Street Complex	Virginia St	Lenoir	NC	28633	Caldwell	NPDES
NCG550801	Blessed Hope Church	Us 321 N	Lenoir	NC	28645	Caldwell	NPDES
NCGNE0045	Hickory Springs Mfg. Co.-Lenior	2145 Norwood St Sw	Lenoir	NC	28645	Caldwell	NPDES
NCGNE0050	Hickory Springs Mfg. Co.-Hs Converting Division	1418 Underdown Ave Se	Lenoir	NC	28645	Caldwell	NPDES
NCGNE0115	Bernhardt Furniture Company	904 Virginia St	Lenoir	NC	28645	Caldwell	NPDES
NCS000061	Lenoir Mirror Co-Caldwell Site	401 Kincaid St	Lenoir	NC	28645	Caldwell	NPDES
NCS000066	Neptune Inc	815D Virginia St	Lenoir	NC	28645	Caldwell	NPDES
NCG520083	Calico Pit	4338 Calico Rd	Lenoir	NC	28645	Caldwell	NPDES
NCG180084	Broyhill Furniture Ind Incorporated	Virginia St	Lenoir	NC	28633	Caldwell	NPDES
NCG180230	Broyhill Research Plant	2621 Hogan St Sw	Lenoir	NC	28645	Caldwell	NPDES
NCG210133	H. Parsons, Inc.	100 Parsons Park Dr	Lenoir	NC	28645	Caldwell	NPDES
NCG030148	Neptco Incorporated	Rt 321 S	Lenoir	NC	28645	Caldwell	NPDES
NCG050229	Sealed Air Corporation	2075 Valway Rd	Lenoir	NC	28645	Caldwell	NPDES
NCG080186	United Parcel Service-Lenoir	107 Industrial Ct	Lenoir	NC	28645	Caldwell	NPDES
NCG080260	Caldwell Freight Lines Incorporated	2550 Hickory Blvd	Lenoir	NC	28645	Caldwell	NPDES
NCD042270405	Blue Ridge Emc	1216 Blowing Rock Blvd	Lenoir	NC	28645	Caldwell	PCBS
6505	E-Z Way Auto Sales	1036 Morganton Blvd Sw	Lenoir	NC	28645	Caldwell	PIRF
24332	Crossroad Market	3135 Morganton Boulevard	Lenoir	NC	28645	Caldwell	PIRF
28297	Tim'S Discount Foods	761 Connelly Springs Road	Lenoir	NC	28645	Caldwell	PIRF

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
28005	Walker Store	1224 Connelly Springs Road	Lenoir	NC	UNK NOW N	Caldwell	PIRF
23543	Mustang #22	2111 Connelly Springs Road	Lenoir	NC	28645 -	Caldwell	PIRF
28201	Servco No. 01912 (Former)	1507 Morganton Blvd. Sw	Lenoir	NC	28645	Caldwell	PIRF
28231	Broyhill Furniture-Miller Hill	802 Complex Street	Lenoir	NC	23424	Caldwell	PIRF
6404	Lenoir Muffler Shop	681 Connelly Springs Road	Lenoir	NC	28645 -	Caldwell	PIRF
5476	Arnold'S Muffler Shop	438 Harper Avenue Nw	Lenoir	NC	28645 -	Caldwell	PIRF
28043	Holiday Foods 5	2124 Hickory Blvd Sw	Lenoir	NC	28645	Caldwell	PIRF
28150	Economy Oil	1241 West Harper Avenue	Lenoir	NC	28645	Caldwell	PIRF
28102	Caldwell County Schools Maintenance Shop	214 Clark Drive	Lenoir	NC	28645	Caldwell	PIRF
9999	Singer-Methanol Ust	1409 College Ave	Lenoir	NC	28655	Caldwell	PIRF
9997	Singer-Ust #4 & Ust #5	1409 College Ave	Lenoir	NC	28655	Caldwell	PIRF
10910	Northside Bp Station	1005 Main Street	Lenoir	NC	28645 -	Caldwell	PIRF
28004	Central Baptist Church Property	311 Connelly Springs Road	Lenoir	NC	28645	Caldwell	PIRF
9489	Singer-Naptha Ust	1409 College Ave	Lenoir	NC	28655	Caldwell	PIRF
7466	Caldwell Glass Co.	403 Kincais St/P. O . Box 634	Lenoir	NC	28645 -	Caldwell	PIRF
13114	Jamie White Property	Main Street And Hwy18	Lenoir	NC	28645 -	Caldwell	PIRF
21826	Parcel 40:Former Edwin D Price Property	Conelly Springs Road	Lenoir	NC	28645 -	Caldwell	PIRF
21825	Corner Package Store: Ned T Triplett Property	Conelly Springs Road	Lenoir	NC	28645 -	Caldwell	PIRF
17199	Caldwell Co. Sheriff'S Office	212 Mulberry Street	Lenoir	NC	28645 -	Caldwell	PIRF
13052	Beall Oil Bulk Storage	505 Creekway Drive	Lenoir	NC	28645 -	Caldwell	PIRF
28006	Rainey'S Gulf Service	301 Main Street	Lenoir	NC	28645	Caldwell	PIRF
15002	Corner Package Store	Connelly Srings Rd & Walt Arne	Lenoir	NC	28645	Caldwell	PIRF
22030	James F Clark Residence (Ncdot Parcel 30)	Connellysprings Road	Lenoir	NC	28645 -	Caldwell	PIRF
21966	Zip'S Used Cars	1334 Morganton Blvd	Lenoir	NC	28645 -	Caldwell	PIRF
3210	Singer Furniture-Plant No. 1	1409 West College Ave Sw	Lenoir	NC	28645 -	Caldwell	PIRF
23360	Shoemaker Oil	1340 Morganton Blvd. Sw	Lenoir	NC	28645 -	Caldwell	PIRF
28240	Bernhardt-Seagle Company	117 Main St	Lenoir	NC	28645	Caldwell	PIRF
3544	Buss Automation	511 Creekway Drive	Lenoir	NC	UNK NOW N	Caldwell	PIRF
3193	Singer Furniture Div.	723 Virginia St.	Lenoir	NC	UNK NOW N	Caldwell	PIRF
7571	Joyceton Water Works, Inc.	Us 321 A	Lenoir	NC	28645	Caldwell	PIRF
9562	Lenoir Mirror Co.	P.O. Box 1650	Lenoir	NC	28645	Caldwell	PIRF
8918	Akzo (Reliance Universal)	1713 Main St. Nw	Lenoir	NC	UNK NOW N	Caldwell	PIRF
22168	Southeastern Adhesives	815D Virginia St., Sw	Lenoir	NC	28645	Caldwell	PIRF
87010	Nacco Materials Handling Group	2040 Morganton Boulevard	Lenoir	NC	28645	Caldwell	PIRF
9F3161B2ABCBB067 852571060054CFB9	Duke Energy - Miller Hill Tie & Retail/Lenor Business Office	212 Mulberry St	Lenoir	NC	28645	Caldwell	TII
CD2CC57B4BECD9E A85256FE9004F2C61	Ncdot - Lenoir	500 Pleasant Hill Rd	Lenoir	NC	28645	Caldwell	TII
41AB6BA0AACBB84 88525705B005EC394	Bellsouth - 22919	1047 W Harper Ave	Lenoir	NC	28645	Caldwell	TII

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
4FD48A8323DB7D13 852570210050AC6C	Case Goods - Upholster	1904 Morganton Blvd	Lenoir	NC	28645	Caldwell	TII
6AE84C3B42DD9B8B 8525702A00676C95	Southern States Coop - Lenoir Service	1532 Norwood Street Sw	Lenoir	NC	28645	Caldwell	TII
72F5DED1C97961348 5256F97006657EA	Broyhill Furniture - Harper Plant	418 Prospect Street	Lenoir	NC	28633	Caldwell	TII
91B7426B675350E085 2570210050AC6A	Case Goods - Household Furniture	1402 Morganton Blvd	Lenoir	NC	28645	Caldwell	TII
948CCBD1FF8EB16F 8525702000666D39	Thomasville Furniture Ind, Inc - Lenoir	315 Elizabeth Street, Nw	Lenoir	NC	28645	Caldwell	TII
988FD6076902759E85 2570210050AC6B	Case Goods - Plant 2	1838 Morganton Blvd	Lenoir	NC	28645	Caldwell	TII
A2AB5F8FAF272CDF 85256FF9004E20F3	Lenoir Mirror Co	401 Kincaid Street	Lenoir	NC	28645	Caldwell	TII
A6B2282606214CE68 5257007004092EC	Meridian Automotive Systems - Lenoir	601 Hibriten Drive Sw	Lenoir	NC	28645	Caldwell	TII
B683A6F3BA2906C68 5256FC1005FF57A	Trigen-Biower, Inc - Lenoir	700 Complex Place	Lenoir	NC	28645	Caldwell	TII
D0B09B11C9E31B0C 852570210050ABE9	Bernhardt Furniture Co	1502 Morganton Blvd	Lenoir	NC		Caldwell	TII
FB2D6D1C5456FDD3 8525702600464C08	Ryder Transportation Services #0362 Lenoir	1305 Virginia St	Lenoir	NC	28645	Caldwell	TII
FC54640C3F5847AF8 52570210050AC14	Blue Ridge Electric Membership Corp	1216 Blowing Rock Boulevard	Lenoir	NC	28645	Caldwell	TII
3F032C486AB9FD478 5256FF8004742AF	News Topic	123 Pennton Avenue	Lenoir	NC	28645	Caldwell	TII
085F2294AB8ACDC4 85257013004BDC7	Schwan Food Co - Lenoir	2304 Icenhour Ct Nw	Lenoir	NC	28645	Caldwell	TII
105B2C133F1D9CFE8 52570210050AC2B	Blue Ridge Energies - Lenoir	110 Nuway Circle Ne	Lenoir	NC	28645	Caldwell	TII
1D835C2C9D31F24F8 525701B006C80A9	United Parcel Service - Lenoir	107 Industrial Ct	Lenoir	NC	28645	Caldwell	TII
2579126AAF5EB51E8 525702D005B5464	Sealed Air Corp - Lenoir	2075 Valway Rd	Lenoir	NC	28645	Caldwell	TII
2D6874598420B6A38 525702B005DCDEA	Neptco, Inc - 002	2012 Hickory Blvd	Lenoir	NC	28645	Caldwell	TII
35FCD97E8600E4888 5257052005772B9	Marlin Co, Inc	1333 Virginia Street	Lenoir	NC	28645	Caldwell	TII
NCD003156213	Lenoir Mirror Company	401 Kincaid St.	Lenoir	NC	28645	Caldwell	TSD
NCD089158323	Nacco Materials Handling Group Inc	2040 Morganton Blvd Nw	Lenoir	NC	28645	Caldwell	TSD
NCD980557888	Lenoir City Lf		Lenoir	NC		Caldwell	UDS
WI0100039	Nacco Materials	2040 Morganton Blvd	Lenoir	NC	28645	Caldwell	UIC
0-000623	Q-Express Ii (587)	555 Abington Road	Lenoir	NC	28645	Caldwell	UST
0-001188	Time Save (562)	1337 Norwood Street Sw	Lenoir	NC	28645	Caldwell	UST
0-002424	Harper Avenue Bp	429 Harper Avenue	Lenoir	NC	28645	Caldwell	UST
0-002426	Norwood Food (576)	2638 Norwood Street Sw	Lenoir	NC	28645	Caldwell	UST
0-004924	Jack B Quick 9	162 Wilkesboro Boulevard Se	Lenoir	NC	28645	Caldwell	UST
0-003890	Neptco, Incorporated	2012 Hickory Boulevard	Lenoir	NC	28645	Caldwell	UST
0-004598	Lenoir Ice & Fuel	107 Light Street Sw	Lenoir	NC	28645	Caldwell	UST
0-004625	Gas & Go (554)	1124 Blowing Rock Road	Lenoir	NC	28645	Caldwell	UST
0-004698	Herman'S Tire & Auto	2807 Morganton Blvd	Lenoir	NC	28645	Caldwell	UST
0-004701	AjS Express	1302 Morganton Boulevard, S.W.	Lenoir	NC	28645	Caldwell	UST
0-004402	Yale Materials Handling Corp.	2040 Morganton Blvd.	Lenoir	NC	28645	Caldwell	UST
0-004775	Bellsouth Lenrncma 22919	1047 W Harper Ave	Lenoir	NC	28645	Caldwell	UST
0-004793	Cajahs Mountain Superette (54)	1990 Connelly Springs Road	Lenoir	NC	28645	Caldwell	UST
0-004796	Gamewell Superette	2830 Morganton Boulevard	Lenoir	NC	28645	Caldwell	UST
0-004797	Discount Foods (551)	1661 Connelly Springs Road	Lenoir	NC	28645	Caldwell	UST

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
0-004803	North Catawba Superette (567)	20740 Union Grove Road	Lenoir	NC	28645	Caldwell	UST
0-004808	Crossroads Market (549)	3153 Morganton Boulevard	Lenoir	NC	28645	Caldwell	UST
0-007321	Caldwell County Sch Bus Garag	113 Tremount Drive	Lenoir	NC	28645	Caldwell	UST
0-007322	Caldwell Co School Maint.Shop	214 Clark Drive	Lenoir	NC	28645	Caldwell	UST
0-007757	Cubbard Espresso 10	510 Blowing Rock Boulevard	Lenoir	NC	28645	Caldwell	UST
0-007759	Connelly Springs Gas House	1320 Connelly Springs Road Sw	Lenoir	NC	28645	Caldwell	UST
0-007766	Lenoir Gas House	2652 Morganton Boulevard	Lenoir	NC	28645	Caldwell	UST
0-007774	Joyceton Complex	2424 Norwood St. Sw	Lenoir	NC	28645	Caldwell	UST
0-007680	Tilleys Superette (580)	1710 Union Grove Road	Lenoir	NC	28645	Caldwell	UST
0-007427	Quik Way Superette	2108 Norwood St.	Lenoir	NC	28645	Caldwell	UST
0-007588	Service 01912	1507 Morganton Blvd.,Sw	Lenoir	NC	28645	Caldwell	UST
0-007994	Bruex. Inc.	312 Lutz Street	Lenoir	NC	28645	Caldwell	UST
0-007995	Lenoir Mirror Co	401 Kincaid St	Lenoir	NC	28645	Caldwell	UST
0-007820	Holiday Superette	1742 Blowing Rock Blvd	Lenoir	NC	28645	Caldwell	UST
0-011166	Tom Brooks Chevrolet-Buick. I	515 Wilkesboro Boulevard N.E.	Lenoir	NC	28645	Caldwell	UST
0-011190	Caldwell Freight Lines Inc	2550 Hickory Blvd	Lenoir	NC	28645	Caldwell	UST
0-011246	Holiday Foods 9	1732 Connelly Springs Rd	Lenoir	NC	28645	Caldwell	UST
0-021147	Holiday Foods 15/Tobacco To G	1136 Hickory Blvd Sw	Lenoir	NC	28645	Caldwell	UST
0-021228	Fast Track 110	830 Connelly Springs Road	Lenoir	NC	28645	Caldwell	UST
0-021138	Run-In Food Store 731/22618	1251 Norwood Drive S.W.	Lenoir	NC	28645	Caldwell	UST
0-021623	Blue Ridge Energies Llc	110 Nuway Circle	Lenoir	NC	28645	Caldwell	UST
0-021899	Jo Jas Superette	2706 Norwood Street	Lenoir	NC	28645	Caldwell	UST
0-024894	D & D Miller Hill (550)	1101 Virginia Street Sw	Lenoir	NC	28645	Caldwell	UST
0-025322	Foothills Food Plaza	440 Blowing Rock Blvd Ne Po Bx 4	Lenoir	NC	28645	Caldwell	UST
0-025861	Caldwell Memorial Hospital	321 Mulberry Street	Lenoir	NC	28645	Caldwell	UST
0-027535	Hibriten High School	550 East Blvd	Lenoir	NC	28645	Caldwell	UST
0-029368	United Parcel Service	107 Industrial Court	Lenoir	NC	28645	Caldwell	UST
0-031381	Marlin Company. Inc.	1333 Virginia Street Nw	Lenoir	NC	28645	Caldwell	UST
0-030674	Crown Heritage Inc	105 Clover Dr Sw	Lenoir	NC	28645	Caldwell	UST
0-032480	Ross & Company (578)	1902 Harper Ave Nw	Lenoir	NC	28645	Caldwell	UST
0-032980	Fast Track 136	2175 Morganton Blvd, Sw	Lenoir	NC	28645	Caldwell	UST
0-033119	Wilco 353	502 Wilkesboro Blvd, Se	Lenoir	NC	28645	Caldwell	UST
0-034102	Ryder Transportation 0362	1305 Virginia St Sw	Lenoir	NC	28645	Caldwell	UST
0-034455	Paxar Printed Label	950 German Street	Lenoir	NC	28645	Caldwell	UST
0-035881	Fastop Food Mart 301	215 Blowing Rock Blvd, Nw	Lenoir	NC	28645	Caldwell	UST
0-207653	The Tobacco Co Inc (558)	353 S W Harper Avenue	Lenoir	NC	28645	Caldwell	UST
0-003861	Midway Market & Deli. Inc.	3426 Morganton Blvd/Nc Hwy 18	Lenoir	NC	28645	Caldwell	UST
0-007421	Max Taylor Const. Co.	700 Taylorsville Rd.	Lenoir	NC	28695	Caldwell	UST

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
0-033495	Mutual Savings Bank	107 Norwood Street	Lenoir	NC	28645	Caldwell	UST
0-035490	Rudisill Oil & Grocery	3296 Playmore Beach Road	Morganton	NC	28655	Caldwell	UST
NCG500108	Rhodhiss Hydroelectric Station	109 Powerhouse Rd	Rhodhiss	NC	28667	Caldwell	NPDES
NONCD0000190	Rhodhiss Dump		Rhodhiss	NC		Caldwell	UDS
53336FCBB68CD2B98525710600692ADF	Duke Energy - Rhodhiss Hydro Station & Tie	109 Power House Rd	Rhodhiss	NC	28667	Caldwell	TII
NCG210241	Sonoco Products Co-Granite Fal	4608 Helton Rd	Sawmills	NC	UNK NOW N	Caldwell	NPDES
28062	Smith'S Auto - Former	3998 Main Street (Us Hwy 321A)	Sawmills	NC	28630	Caldwell	PIRF
6580	Hammary Furn. Plt.#13-Sawmills	Highway 321A	Sawmills	NC	UNK NOW N	Caldwell	PIRF
7554	Thomasville Furniture Indus.	P. O. Box 339	Thomasville	NC	27361	Caldwell	PIRF
6091	Lenoir Golf Club	Unknown	Unknown	NC	UNK NOW N	Caldwell	PIRF
10202	Rogers Self Service	Unknown	Unknown	NC	UNK NOW N	Caldwell	PIRF
10747	Hatchers Auto & Truck	Unknown	Unknown	NC	UNK NOW N	Caldwell	PIRF
11786	Jack B. Quick	Unknown	Unknown	NC	UNK NOW N	Caldwell	PIRF
11783	Run-In #719	Unknown	Unknown	NC	UNK NOW N	Caldwell	PIRF
13295	Lenoir Gas House	Unknown	Unknown	NC	UNK NOW N	Caldwell	PIRF
93868F6D5CF457B885256F9700665805	Broyhill Furniture - Whitnel Plant	1801 Norwood St. Sw	Whitnel	NC	28633	Caldwell	TII
NCR000135483	Shull Transport	3101 15Th Ave Blvd Se	Conover	NC	28613	Catawba	HWGT
0-007110	Run-In 826 11480	1725 Fairgrove Church Road	Conover	NC	28613	Catawba	UST
0-028617	Fast Track 112	1385 Fairgrove Church Rd	Conover	NC	28613	Catawba	UST
0-034116	Fairgrove Food Store	1370 Fairgrove Church Rd.	Conover	NC	28618	Catawba	UST
NC6210021626	Usa Reserve Xviii Airborne Corps	1500 12Th St Nw	Hickory	NC	28601	Catawba	CERCLIS
NCN000407702	12Th Avenue Pce	2005 12Th Avenue Ne	Hickory	NC	28601	Catawba	CERCLIS
NCD000616763	Hk Research Corp	908 Lenoir	Hickory	NC	28601	Catawba	CERCLIS
NCD000648428	Carter-Weber Inc Hickory Plt	1120 Tate Blvd	Hickory	NC	28601	Catawba	CERCLIS
NCD003221868	Century Furniture Co	401 11Th St Nw	Hickory	NC	28601	Catawba	CERCLIS
NCD003228087	S&W Chemicals Inc	Old Quarry Rd Se	Hickory	NC	28601	Catawba	CERCLIS
NCD003228483	Style Upholstering Inc	33 23Rd Ave Ne	Hickory	NC	28601	Catawba	CERCLIS
NCD044440642	Lane Company Inc The	37 Ninth St Place Se	Hickory	NC	28601	Catawba	CERCLIS
NCD047285598	Carolina Solvents Inc	2274 1St St Se	Hickory	NC	28601	Catawba	CERCLIS
NCD055165609	Pantasote Inc Film/Compound Div	1508 South Center St	Hickory	NC	28602	Catawba	CERCLIS
NCD986166353	Southern Desk Drums	1720 First Ave Sw	Hickory	NC	28601	Catawba	CERCLIS
NC0000052563	Nwc Inc/Pro Rags	20-17Th Place Nw	Hickory	NC	28601	Catawba	HWGT
NC0000097048	Cox Manufacturing Company Incorporated	220 10Th St Sw	Hickory	NC	28602 1208	Catawba	HWGT
NC0000108787	Hickory Graphics	500 Main Ave Nw	Hickory	NC	28603	Catawba	HWGT
NCD000616763	Hk Research Corporation	908 Lenoir Rd.	Hickory	NC	28603	Catawba	HWGT
NCD000830687	Century Furn Co - Shuford Div	1457 9Th Ave	Hickory	NC	28601	Catawba	HWGT

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NCD003216850	Hickory Springs Manufacturing Company	2200 Main Avenue Southeast	Hickory	NC	28602	Catawba	HWGT
NCD003217437	Shurtape Technologies Incorporated Hickory Tape Plant	1620 Highland Ave. N.E.	Hickory	NC	28601	Catawba	HWGT
NCD003217536	Hws Company Incorporated D B A Hickory White	856 7Th Ave. S.E.	Hickory	NC	28602	Catawba	HWGT
NCD003221868	Century Furniture Industries Plant	420 27Th Street	Hickory	NC	28601	Catawba	HWGT
NCD003223799	Clayton Marcus Co. Inc. Plt 2	P.O. Box 100	Hickory	NC	28601	Catawba	HWGT
NCD003223823	Kroehler Furniture Industries	1245 3Rd St Ne	Hickory	NC	28601	Catawba	HWGT
NCD003224235	Plastic Packaging Incorporated	1246 Main Ave S.E.	Hickory	NC	28602	Catawba	HWGT
NCD003227352	Highland House Incorporated	207 20Th Street Southeast	Hickory	NC	28601	Catawba	HWGT
NCD003227675	Marlow Furniture Co Inc	Sr 1206	Hickory	NC	28601	Catawba	HWGT
NCD003228350	Sherrill Furniture Company	2405 Highland Avenue Northeast	Hickory	NC	28603	Catawba	HWGT
NCD003470812	Cu Industries Century Furn Ind	3086 Main Avenue Northwest	Hickory	NC	28601	Catawba	HWGT
NCD003522026	Cu Industries Century Furn Ind	25 18Th Street Northwest	Hickory	NC	28601	Catawba	HWGT
NCD038553392	Hickory Business Furniture Incorporated Current Year 1998	900 12Th St. Dr. N.W.	Hickory	NC	28601	Catawba	HWGT
NCD044440642	Hickory Chair Division	37 9Th Street Place South East	Hickory	NC	28602	Catawba	HWGT
NCD047285598	Carolina Solvents Incorporated	2274 1St St. S.E.	Hickory	NC	28602	Catawba	HWGT
NCD049769144	Cu Industries Century Furn Ind	7738 Highway 127 North	Hickory	NC	28601	Catawba	HWGT
NCD055165609	Hickory Vinyl Corporation	1508 South Center Street	Hickory	NC	28602	Catawba	HWGT
NCD066325325	Ge Interlogix Hickory	1510 Tate Boulevard Southeast	Hickory	NC	28603 2904	Catawba	HWGT
NCD081331142	Corning Cable Systems Limited Liability Company	1928 Main Avenue South East	Hickory	NC	28602	Catawba	HWGT
NCD085994432	Corning Cable Systems Limited Liability Company	1928 Main Avenue South East	Hickory	NC	28602	Catawba	HWGT
NCD098765001	Klingspor Abrasives	2555 Tate Blvd Se	Hickory	NC	28603 2367	Catawba	HWGT
NCD980247290	Century Furniture Co Uph Division Plt #2	535 27Th Street North West	Hickory	NC	28601	Catawba	HWGT
NCD980842074	Cth Sherrill Occasional	2425 Highland Avenue Northeast	Hickory	NC	28603	Catawba	HWGT
NCD981014434	A Cleaner World Number 107	1009 2Nd St Ne	Hickory	NC	28601	Catawba	HWGT
NCD981473416	Professional Cleaners Dc	133 3Rd St Nw	Hickory	NC	28601	Catawba	HWGT
NCD981863848	West Carolina Freightliner	630 Hwy 70 Se	Hickory	NC	28603	Catawba	HWGT
NCD981919889	Hickory Body Shop Inc	1004 19Th St Sw	Hickory	NC	28602	Catawba	HWGT
NCD981922602	Corning Cable Systems	1164 23Rd Street Southeast	Hickory	NC	28602	Catawba	HWGT
NCD982080483	Quaker Furniture Incorporated	3060 Main Ave Se	Hickory	NC	28602 4449	Catawba	HWGT
NCD982114431	Gaines Motor Lines	2349 13Th Ave Sw	Hickory	NC	28602	Catawba	HWGT
NCD982124067	Carolina Steel Corporation	1115 Old Lenoir Road Nw	Hickory	NC	28601	Catawba	HWGT
NCD982145815	Acme Incorporated	3211 Falling Creek Road	Hickory	NC	28601	Catawba	HWGT
NCD982166563	Duke Power Hickory Garage	250 9Th St Ln Se	Hickory	NC	28602	Catawba	HWGT
NCD986171387	Barber Spring Manufacturing Co	2055 Main Ave. S.E.	Hickory	NC	28601	Catawba	HWGT
NCD986173458	Shurtape Technologies Highland Plastics	Highland Ave & 15Th St Se	Hickory	NC	28602	Catawba	HWGT
NCD986181857	Synthetics Finishing	515 23Rd St. S.W.	Hickory	NC	28602	Catawba	HWGT
NCD986182418	Ellis Enterprises	633 4Th St Sw	Hickory	NC	28602	Catawba	HWGT
NCD986187144	Century Furniture Industries Plant Number 7	126 33Rd St Nw	Hickory	NC	28601	Catawba	HWGT



**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NCD986192912	Hendrick Motors	1171 Lenoir Rhyne Blvd Se	Hickory	NC	28602	Catawba	HWGT
NCD986209922	The Majors Shop Incorporated	215B Lenoir Rhyne Boulevard	Hickory	NC	28602	Catawba	HWGT
NCD986228112	Chelsea House Port Royal Incorporated	280 15Th St Se	Hickory	NC	28601	Catawba	HWGT
NCD986230514	Paramount Motor Sales Inc	1234 S Center St	Hickory	NC	28602	Catawba	HWGT
NCD986187334	Salem Leasing Corp	335 15Th St Se	Hickory	NC	28601	Catawba	HWGT
NCD986189355	Deluxe Printing Co Inc	10 Ninth St Nw	Hickory	NC	28603	Catawba	HWGT
NCD986195287	Whitenes Auto Parts Inc	215 Eleventh St Sw	Hickory	NC	28602	Catawba	HWGT
NCD986205342	Commscope Inc Flight Dept	Rt 7 Box 21	Hickory	NC	28601	Catawba	HWGT
NCD986212587	Moss-Marlow Building Co Inc	1058 S Center St	Hickory	NC	28603	Catawba	HWGT
NCD986212678	Hickory Printing Hickory	542 Main Ave Se	Hickory	NC	28603 0069	Catawba	HWGT
NCD986229441	Nissan Of Hickory	1555 Hwy 321 N	Hickory	NC	28601	Catawba	HWGT
NCD986230043	Robert'S Paint & Body Inc	58 14Th Ave Se	Hickory	NC	28602	Catawba	HWGT
NCD986231850	Hickory Auto Parts	733 1St Ave Nw	Hickory	NC	28601	Catawba	HWGT
NCR000001933	Cranford Woodcarving Plt 3	36 9Th St Se	Hickory	NC	28601 9007	Catawba	HWGT
NCR000002535	Blue Tech Inc	781 19Th St Sw	Hickory	NC	28603	Catawba	HWGT
NCR000002782	Snyder Paper Corp	250 26Th Street Dr Se	Hickory	NC	28603	Catawba	HWGT
NCR000004242	Chase S Mystical Illusionz	1486 17Th St Dr Ne	Hickory	NC	28601	Catawba	HWGT
NCR000004846	Equipment Ltd	441 19Th St Se	Hickory	NC	28602	Catawba	HWGT
NCR000007351	Custom Coatings Inc	1651 1St Ave Sw	Hickory	NC	28602	Catawba	HWGT
NCR000009134	O W Mackey Inc	632 10Th Ave Dr Se	Hickory	NC	28602	Catawba	HWGT
NCR000009225	Sherwin Williams Store 2379	210 1St Ave Ne	Hickory	NC	28601 6208	Catawba	HWGT
NCR000009647	Drillers Service Inc	1800 Highland Ave Ne	Hickory	NC	28601	Catawba	HWGT
NCR000009985	A & A Paint & Body	62-14Th Avenue Se	Hickory	NC	28602	Catawba	HWGT
NCR000010561	Southwood Furn Corp Southampton	178 18Th St Se	Hickory	NC	28602	Catawba	HWGT
NCR000135699	Us Conec Ltd	1555 4Th Ave Se	Hickory	NC	28602	Catawba	HWGT
NCR000137091	Rental Service Corp	349 Lenoir Rhyne Blvd	Hickory	NC	28601	Catawba	HWGT
NCD981863665	Regal Mfg Co	212 12Th Ave Ne	Hickory	NC	UNK NOW N	Catawba	HWGT
NCD982076945	G&W Plastics (Edan Plastics Inc)	610 8Th St Ne	Hickory	NC	UNK NOW N	Catawba	HWGT
NCD982083248	Clayton Marcus Plt #4	2163 4Th Ave Se	Hickory	NC	UNK NOW N	Catawba	HWGT
NCD982173031	American Slate & Marble Inc	1027 19Th St Sw	Hickory	NC	UNK NOW N	Catawba	HWGT
NCR000006833	Mastercraft Wood Finishing Inc	734 Main Avenue Nw	Hickory	NC	UNK NOW N	Catawba	HWGT
NCR000137570	Cibola Furniture International	816 13Th St Ne	Hickory	NC	UNK NOW N	Catawba	HWGT
NC0000564609	Carquest Auto Part Of Hickory	734-737 1St Ave Nw	Hickory	NC	28601	Catawba	HWGT
NCD003227790	Huntington House Inc North Hic	509 11Th St Nw	Hickory	NC	28603	Catawba	HWGT
NCD003235678	Martin Marietta Quarry	1989 11Th Ave Se	Hickory	NC	28602	Catawba	HWGT
NCD024623498	Quality Cleaners	1170 S Center St	Hickory	NC	28601	Catawba	HWGT
NCD044444008	Adams Millis Hickory Finishing	74 8Th St Se	Hickory	NC	28601	Catawba	HWGT

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NCD046152203	Westpoint-Longview Plt	3000 2Nd Ave Nw	Hickory	NC	28601	Catawba	HWGT
NCD049772098	Frye Glenn R Memorial Hospital Lab	420 N Center St	Hickory	NC	28601	Catawba	HWGT
NCD054288808	Armstrong Ford Inc	Hwy 64-70 East	Hickory	NC	28601	Catawba	HWGT
NCD081324014	Frameworkright Inc Plt #1	1467 12Th Ave Ne	Hickory	NC	28601	Catawba	HWGT
NCD085076818	Carolina Tractor & Equip Co	1201 Hwy 70 E	Hickory	NC	28601	Catawba	HWGT
NCD981863905	Custom Body Works Inc	1555 Tate Blvd Se	Hickory	NC	28602	Catawba	HWGT
NCD981866189	United Parcel Service	22 17Th St Nw	Hickory	NC	28601	Catawba	HWGT
NCD982105702	Ncng - Oms #3	1251 Eighth St	Hickory	NC	28603	Catawba	HWGT
NCD982127227	Alexvale Furniture Inc Plt 3	6005 Hwy 10 W	Hickory	NC	28601	Catawba	HWGT
NCD982127698	Carolina Truck & Tractor Inc	2260 Hwy 70 Sw	Hickory	NC	28603	Catawba	HWGT
NCD982141038	Steve White Motors Inc	3470 Hwy 70 E	Hickory	NC	28603	Catawba	HWGT
NCD982149213	Foothills Paint & Body	852 13Th St Sw	Hickory	NC	28601	Catawba	HWGT
NCD982149569	Maaco	1964 15Th Ave	Hickory	NC	28603	Catawba	HWGT
NCD986173821	Carolina Truck Centers Inc	2340 Hwy 70 Sw	Hickory	NC	28602	Catawba	HWGT
NCG030325	Hickory Steel	1115 Old Lenoir Rd	Hickory	NC	28601	Catawba	NPDES
NCG050037	Shurtape Tech Incorporated-Hickory	1620 Highland Ave Ne	Hickory	NC	28603	Catawba	NPDES
NCG070008	American Slate & Marble - Hickory	1027 19Th St Sw	Hickory	NC	28602	Catawba	NPDES
NCG050297	Klingspor Abrasives Incorporated	2555 Tate Blvd Se	Hickory	NC	28603	Catawba	NPDES
NCG140104	Kerr'S Hickory Ready Mixed Con	1126 1St Ave Sw	Hickory	NC	28603	Catawba	NPDES
NCG080354	Institution Food House Incorporated	700 12Th St Dr Nw	Hickory	NC	28603	Catawba	NPDES
NCG020085	Martin Marietta-Hickory	1989 11Th Ave Se	Hickory	NC	28602	Catawba	NPDES
NCG020284	Huffman Borrow Pit-No 2	Sr 1170 18Th Ave Se	Hickory	NC	28601	Catawba	NPDES
NCG080393	Alex Lee Incorporated	54312Th St Dr Nw	Hickory	NC	28603	Catawba	NPDES
NCG080551	Nc Nat Gd- Hickory/Oms # 3	Po Box 1548 8Th St Ne	Hickory	NC	28603	Catawba	NPDES
NCG080611	United Parcel Service - Hickory	1224 24Th St Se	Hickory	NC	28602	Catawba	NPDES
NCG100020	Seagles Used Cars And Parts	Rt 15 Box 625	Hickory	NC	28602	Catawba	NPDES
NCG180177	Hickory Chair Company	37 9Th St Pl Se	Hickory	NC	28602	Catawba	NPDES
NCG180178	Sherrill Furniture- Hickory	2405 Highland Ave Ne	Hickory	NC	28601	Catawba	NPDES
NCG180209	Regency Leather	219 10Th St Sw	Hickory	NC	28603	Catawba	NPDES
NCG130017	Sonoco Products Co-Hickory	261 10Th St Pl Nw	Hickory	NC	28603	Catawba	NPDES
NCG140173	Ready Mixed Concrete Co - Hickory	2001 Main St Se	Hickory	NC	28603	Catawba	NPDES
NCG160070	Apac Atlantic Inc-Hickory	1520 11Th Ave Se	Hickory	NC	28603	Catawba	NPDES
NCG170070	Spectrum Textured Yarns Inc-Hickory	Po Box 1308	Hickory	NC	28603	Catawba	NPDES
NCG170218	Shuford Yarns, Llc-Hickory Spinners Plant	2815 1St Ave	Hickory	NC	28603 2228	Catawba	NPDES
NCG170310	Unifour Finishers Incorporated-Plt 2	54 29Th St Nw	Hickory	NC	28603	Catawba	NPDES
NCG180062	Cv Industries Century Furn Ind	401 11Th St Nw	Hickory	NC	28603	Catawba	NPDES
NCG180063	Cu Industries Century Furn Ind	420 27Th St Nw	Hickory	NC	28603	Catawba	NPDES
NCG180064	Cu Industries Century Furn Ind	3086 Main Ave Nw	Hickory	NC	28603	Catawba	NPDES

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
NCG180065	Cv Industries Century Furn Ind	401 11Th St Nw	Hickory	NC	28603	Catawba	NPDES
NCG180066	Cv Industries Century Furn Ind	401 11Th St Nw	Hickory	NC	28603	Catawba	NPDES
NCG180068	Cv Industries Century Furn Ind - Hickory	25 18Th St Nw	Hickory	NC	28603	Catawba	NPDES
NCG180086	Hws Co Inc-Dbu Hickory White	856 7Th Ave Se	Hickory	NC	28602	Catawba	NPDES
NCG180112	Hickory Business Furniture	900 12Th St Dr Nw	Hickory	NC	28601	Catawba	NPDES
NCG200355	Hickory Scrap Iron & Metal Co	1065 3Rd Ave Nw	Hickory	NC	28601	Catawba	NPDES
NCG500248	Drillers Service Plant	1800 Highland Ave Ne	Hickory	NC	28601	Catawba	NPDES
NCG500311	Fiber & Yarn Products	1125 7Th Ave Nw	Hickory	NC	28601	Catawba	NPDES
NCG510235	Easy Serve	910 First Ave	Hickory	NC	28601	Catawba	NPDES
NCGNE0019	Clayton Marcus Co. Inc- Plant 5 & 9	3030 Failling Creek Rd Ne	Hickory	NC	28601	Catawba	NPDES
NCGNE0038	Dixie-Regency Division-Hickory Springs Mfg. Co.	2116 Highland Ave Ne	Hickory	NC	28601	Catawba	NPDES
NCGNE0043	Hickory Springs Mfg. Co-Hickory	414 Lenoir-Rhyne Blvd Se	Hickory	NC	28603	Catawba	NPDES
NCGNE0188	The Daily Record	1100 11Th Ave Blvd	Hickory	NC	28601	Catawba	NPDES
NCGNE0199	Usps Vehicle Maintenance Facility	321 Main Ave Sw	Hickory	NC	28602	Catawba	NPDES
NCGNE0306	Blue Ridge Products, Inc.	3050 Main Ave Nw	Hickory	NC	28601	Catawba	NPDES
NCG080670	Hickory City-Public Services Complex	1441 9Th Ave Ne	Hickory	NC	28601	Catawba	NPDES
NCG050292	Shurtape Tech Incorporated-Highland	1540 Main Ave Ae	Hickory	NC	28601	Catawba	NPDES
NCG110038	Hickory City-Northeast Wwtp	310 Cloninger Mill Rd	Hickory	NC	28601	Catawba	NPDES
NC0076643	Hickory Plant	1223 Fairgrove Church Rd	Hickory	NC	28602	Catawba	NPDES
NCG030164	Hickory Springs Manufacturing Company - Catawba	2200 Main Ave Se	Hickory	NC	28603	Catawba	NPDES
NCG030243	Corning Cable Systems Llc, Oap	1928 Main Ave Se	Hickory	NC	28602	Catawba	NPDES
NCG030246	Corning Cable Systems Llc - Hickory	1164 23Rs St Se	Hickory	NC	28603	Catawba	NPDES
NCG080034	Poteat Motor Lines Incorporated	940 23Rd St Sw	Hickory	NC	28601	Catawba	NPDES
NCG080275	Gaines Motor Lines Inc-Hickor	2349 13Th Ave Sw	Hickory	NC	28603	Catawba	NPDES
NCG090003	Hk Research Corporation	908 Lenoir Rd	Hickory	NC	28603	Catawba	NPDES
NCG090011	Carolina Solvents Incorporated	2274 1St St Se	Hickory	NC	28602	Catawba	NPDES
6760	Tenneco Oil Station 50331 (Expresit 503)	910 First Ave. Sw	Hickory	NC	28602	Catawba	PIRF
27025	J & G Brokers(Fmr Johnson Bro)	750 18Th Street Ne	Hickory	NC	28603	Catawba	PIRF
27596	Harper Square Llc	215 First Avenue Sw	Hickory	NC	28601	Catawba	PIRF
27529	Fast Track # 126	2336 Northeast Springs Road	Hickory	NC	28601	Catawba	PIRF
24310	North Hickory Furniture Property	1097 3Rd Avenue Dr Dw	Hickory	NC	28603	Catawba	PIRF
15682	Griffith'S, Inc	765 Highland Ave	Hickory	NC	28601	Catawba	PIRF
15679	H K Research	908 Lenior Rd	Hickory	NC	28601	Catawba	PIRF
17616	American Concrete	2001 Main Ave. Se	Hickory	NC	28602	Catawba	PIRF
20025	Kerr'S Hickory Ready-Mixed Concrete	1126 First Avenue S.W.	Hickory	NC	28602	Catawba	PIRF
4048	Thomasville Upholstery/Hky	Old Us 70	Hickory	NC	28602	Catawba	PIRF
6720	The Pantry #263	1804 N. Center Street	Hickory	NC	28601	Catawba	PIRF
6731	Shuford Mills, Inc., Tape Division	Highland Avenue And 15Th	Hickory	NC	28062	Catawba	PIRF

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
22346	Catawba Memorial Hospital	810 Fairgrove Church Rd.	Hickory	NC	28062	Catawba	PIRF
22165	Citgo Viewmont, Former	2200 North Center St.	Hickory	NC	28601	Catawba	PIRF
8181	Hickory Dyeing And Winding Co.	1025 10Th Street Ne	Hickory	NC	28603	Catawba	PIRF
9088	Piedmont Natural Gas Operation Cntr	625 12Th St Dr Nw	Hickory	NC	28601	Catawba	PIRF
8538	Duke Power Hickory Operation Ctr #2	9Th Ave. And F. Ave S.E.	Hickory	NC	28601	Catawba	PIRF
12435	Daniels Residence (Elva)	6 Th Street Nw	Hickory	NC	28601	Catawba	PIRF
12334	Jack B. Quick #3	1120 3Rd Ave Dr Nw	Hickory	NC	28602	Catawba	PIRF
13006	M&M Sunoco	8 First Ave Ne	Hickory	NC	28601	Catawba	PIRF
13257	Rick'S 999 Service Station	436 1St Ave Sw	Hickory	NC	28655	Catawba	PIRF
12918	Hickory Fuel Company 1	10 3Rd St Se	Hickory	NC	28603	Catawba	PIRF
85394	Blue Ridge Motors	319 Highway 321 Nw	Hickory	NC	UNK NOW N	Catawba	PIRF
85624	Thomasville Upholstery	Old Us Highway 70 (Sr 1001)	Hickory	NC	UNK NOW N	Catawba	PIRF
85694	Century Furniture Company	401 11Th Street Nw	Hickory	NC	28601	Catawba	PIRF
85698	Pantasote Inc. Film/Compound Div	1508 South Center Street	Hickory	NC	28602	Catawba	PIRF
86010	Asphalt Paving Co. (Apac) - Hickory (Ncdot #20)	1520 11Th Avenue Se	Hickory	NC	28602	Catawba	PIRF
86299	2Nd Street Ne Solvents	1106 2Nd Street Ne, 11Th Ave Ne, 12Th Ave Ne	Hickory	NC	28601 -3846	Catawba	PIRF
86300	Duke Energy Transformer Pcb	1528 Main Avenue Drive Nw	Hickory	NC	28601	Catawba	PIRF
86103	Emerson Leather (Former)	816 13Th Street Ne	Hickory	NC	28601 -4133	Catawba	PIRF
87278	Pace Residence Fuel Spill	1065 Third St Dr Ne	Hickory	NC	28603	Catawba	PIRF
87694	Spectrum Dyed Yarns	422 15Th Street Sw	Hickory	NC	28602	Catawba	PIRF
86533	Barry Pace Residence	1065 3Rd St Dr Ne	Hickory	NC	28601	Catawba	PIRF
86570	J & G Brokers - Solvents	1750 18Th Street Ne	Hickory	NC	UNK NOW N	Catawba	PIRF
86732	Norfolk Southern - Hickory Ast	1074 2Nd Ave	Hickory	NC	UNK NOW N	Catawba	PIRF
86734	Pharr Well Solvents	2005 12Th Ave Ne & 20Th St Ne	Hickory	NC	28601	Catawba	PIRF
86776	Old Sealtest Dairy Solvents	2115 Hwy 70 Se	Hickory	NC	28602	Catawba	PIRF
6732	Shuford Mills, Syn. Twine Plant	15Th St. S.E.	Hickory	NC	28602	Catawba	PIRF
3383	Ms. Henry Guigou	1571 10Th Street Place Nw	Hickory	NC	28601	Catawba	PIRF
14283	Holiday Foods #4	1940 Springs Rd Ne	Hickory	NC	28601	Catawba	PIRF
10392	Majik Market 35091	1028 Highland Ave Ne	Hickory	NC	28601	Catawba	PIRF
15763	Sigmon Property (Edith)	1559 10Th St Place	Hickory	NC	28602	Catawba	PIRF
23339	Jones Fish Camp	2410 Springs Rd	Hickory	NC	28601	Catawba	PIRF
15699	Partnership 43	338 1St Ave Sw	Hickory	NC	28601	Catawba	PIRF
12634	The Perfect Image (Church'S Body S)	3Rd Ave Dr & 11Th St Drive	Hickory	NC	28601	Catawba	PIRF
5929	Bumgarner Pontiac	4Th Street Sw	Hickory	NC	28602	Catawba	PIRF
10708	Nutek Custom Hosiery	718 12Th Street S.W.	Hickory	NC	28602	Catawba	PIRF
7747	Surperior Petroleum & Fuel Company	935 South Center Street	Hickory	NC	28601	Catawba	PIRF
6721	Lai'l'S Texaco	15Th Ave Nw And Hwy 127 N	Hickory	NC	28601	Catawba	PIRF

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
3705	Institution Food House	700 12Th Street Nw	Hickory	NC	28601	Catawba	PIRF
11661	Ncdot Asphalt Site #20 (Apac)	1520 11Th Avenue Se	Hickory	NC	28602	Catawba	PIRF
12761	Hickory Good Housekeeping	12Th Ave Ne	Hickory	NC	28601	Catawba	PIRF
13642	Dominion Textiles (Usa)	155 21St Street Nw	Hickory	NC	28601	Catawba	PIRF
15138	Mills Yarn, Inc.	1125 7Th Ave N.W	Hickory	NC	28601	Catawba	PIRF
18858	Johnson Property	20 Fourteenth St. Se	Hickory	NC	28602	Catawba	PIRF
85017	Shuretape Technologies, Inc	1620 Highland Ave., Ne	Hickory	NC	28630	Catawba	PIRF
85134	Hickory Airport Burn Pits	Hickory Regional Airport, 21St St Nw & 9Th Ave Nw	Hickory	NC	28601	Catawba	PIRF
12B6A2926755EC648 52571060054CBDD	Duke Energy - Hickory Region & Area Office & Tie	Second St Sw	Hickory	NC	28603	Catawba	TII
41925F056D982ED58 525700B00409E61	Alltel Communications - Hickory	103 Seventh Street, N. E.	Hickory	NC	28602	Catawba	TII
6323DC85F909A29A8 5256FCD006142EB	S & W Chemicals, Inc	1530 1St Ave Sw	Hickory	NC	28603	Catawba	TII
9669AFE713C3507585 25706000567A90	Sprint - Hickory Springs Road Co	3350 Springs Road Northeast	Hickory	NC	28601	Catawba	TII
A85CB52EF9ADA717 8525701500536036	International Legwear Group - Hickory	1500 13Th St Sw	Hickory	NC	28602	Catawba	TII
AA700BEEFEF4876D 85256FDD005EE189	Spectrum Textured Yarns, Inc - Hickory	422 15Th Street Sw	Hickory	NC	28602	Catawba	TII
07628E750F0B5F6085 2571060054D0A5	Duke Energy - Third Avenue Retail	Third Ave Sw	Hickory	NC	28602	Catawba	TII
C16876E825C8D688 525706000567A89	Sprint - Hickory Co	320 First Ave Nw	Hickory	NC	38601	Catawba	TII
D36853131E096A4C8 5256FDD005EDFFD	Hickory Chair Co	37 9Th Street Place Se	Hickory	NC	28602	Catawba	TII
DEF5DF63D8EAF2E8 85256FF600629C11	Ge - Security	1510 Tate Blvd, Se	Hickory	NC	28603	Catawba	TII
E9B64C746C6DEF598 52571060054D0A8	Duke Energy - First Street Retail	First St Sw	Hickory	NC	28601	Catawba	TII
FFAECDCB5FEB2F50 852571060054D0B1	Duke Energy - Sweetwater Retail	Tate Blvd	Hickory	NC	28602	Catawba	TII
5ACAD6A7CA93A6B 885257059004D9109	Wilco #348	1269 Hwy 70 W	Hickory	NC	28602	Catawba	TII
B0249801618813FA85 25700A0043A4C6	Land-O-Sun Daries, Inc - Hickory	461 Highway 70 S.E.	Hickory	NC	28601	Catawba	TII
001796BCB9F82F188 5257013005B78C8	Rme Mid-Atlantic - Hickory	1067 2Nd Avenue Nw	Hickory	NC	28601	Catawba	TII
0313AA42594B8DF38 5256FD200539C67	Hk Research Corp	908 Lenoir Rd	Hickory	NC		Catawba	TII
039601D79936AA7F78 52570210050AC18	Blue Ridge Energies - Hickory	3145 Tate Blvd Se, Ste A	Hickory	NC	28602	Catawba	TII
0BD651F48DFDEBD0 8525701B006C7FDC	United Parcel Service - Hickory	1224 26Th Street S.E.	Hickory	NC	28602	Catawba	TII
1E2F3CE3441B51168 52571060054CBE0	Duke Energy - Hickory Operations Center	250 9Th St Lane S E	Hickory	NC	28601	Catawba	TII
34DC143EDF8B4C9C 85257059004D912C	Wilco #341	2418 Springs Rd Ne	Hickory	NC	28603	Catawba	TII
35CFBE038ADC8EC A85257102005B6708	Sherrill Furniture Co - Hickory White	856 7Th Avenue S.E.	Hickory	NC	28602	Catawba	TII
44DC78A45234488B8 525701A006CFE81	Synthetics Finishing - 321 Plant	569 Hwy 321 North	Hickory	NC	28602	Catawba	TII
4950CEAD333CB8C3 85257014004B2069	Rental Service Corp #632	349 Lenoir Rhyne Blvd	Hickory	NC	28601	Catawba	TII
56D9440964DA1FAF8 525702A00467BFE	James Oxygen & Supply Co - Main Ave	1750 Main Ave Nw	Hickory	NC	28601	Catawba	TII
574DB80FA646E13B8 5257059004D9110	Wilco #347	4431 N Center St	Hickory	NC	28601	Catawba	TII
6C23CEDF4E6208218 5256FF600629C35	Corning Cable Systems Llc - Oap	1928 Main Ave, S E	Hickory	NC	28602	Catawba	TII
70105369F2E2858785 256FC400531D6E	Gemaire - Hickory Branch	1279 26Th St Se	Hickory	NC	28601	Catawba	TII
73C80120DD2314B88 5256FD3005B2E80	Carolina Solvents, Inc	2274 1St. Street Se	Hickory	NC	28602	Catawba	TII
8292C3B05782EE6385 256F930053038E	Finishmaster, Inc #150 (Exempt)	1070 3Rd Ave Dr Nw	Hickory	NC	28602	Catawba	TII
8482DD783B582EC18 5256FCD00614242	Corning Cable Systems Llc - Hcf	1164 23Rd Street S.E.	Hickory	NC	28602	Catawba	TII

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
8CC74741A85A07BB 85256FCD006D4CA4	Plastic Packaging, Inc	1246 Main Avenue Se	Hickory	NC	28602	Catawba	TII
8FCD6EAAADFB61BB B85257102005B671C	Sherrill Furniture Co - Cth Sherrill Occasional (Exempt)	2425 Highland Avenue N.E.	Hickory	NC	28601	Catawba	TII
A0CE8B73F35918028 525700B00409DDDF	Shurtape Technologies, Llc - Highland Plant	1540 Main Ave Se	Hickory	NC	28602	Catawba	TII
A1B18C9DEDfBB8D 385257013004BDC60	Century Furniture Industires - Plant #1 (Exempt)	420 12Th St Nw	Hickory	NC	28601	Catawba	TII
A1F183F9E5813A698 525700B00409E27	Shuford Mills - Hickory Spinners	2815 1St Avenue Sw	Hickory	NC	28602	Catawba	TII
AD0C6DD0B162F33C 85257014006094FE	National Welders Supply Co, Inc - 21 Hickory	1085 6Th St Court Se	Hickory	NC	28602	Catawba	TII
BADA334B8377EF4E 8525701200624BD3	Heritage Propane - Hickory	625 12Th St Nw	Hickory	NC	28601	Catawba	TII
BCES5ED2D42A2D3 B8525700B00409D86	Shurtape Technologies, Llc - Hickory Tape	1620 Highland Ave Ne	Hickory	NC	28601	Catawba	TII
C1D6205B030ABE9B 85256FC400531DD4	Suburban Propane - Hickory	3110 Highland Ave Ne	Hickory	NC	28601	Catawba	TII
C2726BDAC2AA5D8 485257013004BDC5D	Century Furniture Industires - Plant #40 (Exempt)	25 18Th St Nw	Hickory	NC	28601	Catawba	TII
CFDDFOC7A4ED9127 52566FC400531EA7	Johnson Hosiery Mills, Inc	2808 Main Avenue, Nw	Hickory	NC	28601	Catawba	TII
D56B889CB41EF1C08 5257013004BDD1C	Century Furniture Industires - Plant #6D (Exempt)	165 19Th St Nw	Hickory	NC	28601	Catawba	TII
D78CD5822CC28C8E 85257059004D9125	Wilco #344	140 Us 321 Nw	Hickory	NC	28603	Catawba	TII
DACBE144C8DA44D D8525701F0068206B	Rhodes & Beal Oil - Q Express	525 4Th St Sw	Hickory	NC	28602	Catawba	TII
DC4511A718F431848 525702A00467C88	James Oxygen & Supply Co - Old Hickory Brewery	222 Union Square	Hickory	NC	28601	Catawba	TII
DCBE6049845123748 52566FF90044DC7F	Hickory Sand Co, Inc	1490 S. Center St	Hickory	NC	28602	Catawba	TII
ECE5B322CE656F638 525702A00467A6B	James Oxygen & Supply Co - Hwy 321	30 Hwy 321 Nw	Hickory	NC	28601	Catawba	TII
F9484DDA4F817DF78 5257102005B6703	Sherrill Furniture Co	2405 Highland Avenue N.E.	Hickory	NC	28601	Catawba	TII
FC0688EFE32B18A28 5257013004BDC5F	Century Furniture Industires - Plant #3 (Exempt)	3086 Main Ave Nw	Hickory	NC	28601	Catawba	TII
0-004476	Hickory'S Finest Inc	1450 2Nd St Dr Ne	Hickory	NC	28601	Catawba	UST
0-004479	Institution Food House, Inc.	543 12Th. St. Dr. Nw	Hickory	NC	28601	Catawba	UST
0-004623	Southern Merchants 3	1608 Second Avenue Nw	Hickory	NC	28601	Catawba	UST
0-001563	Midstate Contractors Inc	3245 Hwy 70 Se	Hickory	NC	28603	Catawba	UST
0-000150	Century Furniture Company	420 12Th St Dr Nw	Hickory	NC	28601	Catawba	UST
0-000670	Gaines Motor Lines Inc	2349 13Th Ave Sw	Hickory	NC	28603	Catawba	UST
0-001321	Holiday Full Service & Towing	217 Hwy 70 Southwest	Hickory	NC	28601	Catawba	UST
0-001324	Wilco 348	1269 Hwy 70	Hickory	NC	28601	Catawba	UST
0-001194	Honey Pik (560)	4432 N Center St	Hickory	NC	28601	Catawba	UST
0-001226	Q Express	525 4Th St Sw	Hickory	NC	28601	Catawba	UST
0-002411	Greens Market	604 1St Avenue Sw	Hickory	NC	28602	Catawba	UST
0-004262	Viewmont Body Shop	230 15Th Avenue N.E.	Hickory	NC	28601	Catawba	UST
0-004263	River Run 2	1050 Third Ave Nw	Hickory	NC	28601	Catawba	UST
0-004901	Ingold Co.	338 1St Avenue S.W.	Hickory	NC	28601	Catawba	UST
0-004929	Jack B Quick 4	1151 16Th Street N.E.	Hickory	NC	28601	Catawba	UST
0-004930	Jack B Quick 3	1120 3Rd Avenue Drive, N.W.	Hickory	NC	28601	Catawba	UST
0-004187	Kentucky Derby Hosiery Co.. I	391 10Th Avenue N. E.	Hickory	NC	28601	Catawba	UST
0-004627	Southern Merchants 2	1901 Sw Us Hwy 70	Hickory	NC	28601	Catawba	UST
0-004363	A-1 Superette	1110 South Center Street	Hickory	NC	28601	Catawba	UST

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
0-004367	Neill Grading & Const Co	2965 Tate Blvd Se/Po Box 3916	Hickory	NC	28603	Catawba	UST
0-004743	Save More 205	1635 First Avenue, S.W.	Hickory	NC	28602	Catawba	UST
0-004755	Catawba Valley Medical Ctr	810 Fairgrove Church Road	Hickory	NC	28601	Catawba	UST
0-004872	Northwest Drywall Co.	1088 3Rd Avenue Drive N.W.	Hickory	NC	28601	Catawba	UST
0-004884	Ellis Hosiere Mills. Inc.	1500 13Th Street Sw	Hickory	NC	28602	Catawba	UST
0-007264	Public Works/Utilities	1441 9Th Avenue N.E.	Hickory	NC	28601	Catawba	UST
0-007285	Little Oil Company	10 3Rd Street S.E.	Hickory	NC	28601	Catawba	UST
0-007116	Fast & Fresh 58/10199	Lenoir Rhyne Blvd/3118 St Dr. Se	Hickory	NC	28601	Catawba	UST
0-007128	Hickory 66 Serv 10113	1727 Highway 60-70 S.W.	Hickory	NC	28601	Catawba	UST
0-007150	Hickory White Furniture Co	856 7Th Avenue Se	Hickory	NC	28603	Catawba	UST
0-007036	Everett Chevrolet Inc	161 Highway 70 Se	Hickory	NC	28603	Catawba	UST
0-007260	Ridgeview Public Library	706 1St St., S. W.	Hickory	NC	28601	Catawba	UST
0-007587	Wilco 346	1835 64-70 Southeast	Hickory	NC	28603	Catawba	UST
0-007632	Holiday Foods 4	12Th Avenue,N.E.,Spring Rd.	Hickory	NC	28601	Catawba	UST
0-007562	Market Basket Store 9	1531 Clonninger Mill Rd.	Hickory	NC	28601	Catawba	UST
0-007563	Market Basket 10	294 14Th Ave Ne	Hickory	NC	28601	Catawba	UST
0-007585	Wilco 344	140 Us 321 Nw	Hickory	NC	28303	Catawba	UST
0-007586	Shiv Market	1106 2Nd Street Ne	Hickory	NC	28603	Catawba	UST
0-007801	Longview Express 24591	2602 1St Ave Sw	Hickory	NC	28601	Catawba	UST
0-007802	Mels Superette (10163)	1016 Old Lenoir Road	Hickory	NC	28601	Catawba	UST
0-007827	Southern Conv 251-10129	820 Hwy 321 N.W.	Hickory	NC	28601	Catawba	UST
0-007847	Quality Mart 5	1350 Lenoir Rhne Blvd	Hickory	NC	28602	Catawba	UST
0-007882	Carolina Container Co	30Th St Nw Box 2347	Hickory	NC	28601	Catawba	UST
0-007916	Fast & Fresh Food Store	395 Main Ave, Ne	Hickory	NC	28601	Catawba	UST
0-011238	Springs Road Car Care Center	1875 12Th Avenue Ne	Hickory	NC	28601	Catawba	UST
0-021459	Ymc Express (579)	932 3Rd Avenue Nw	Hickory	NC	28601	Catawba	UST
0-021395	Quality Mart 25	2910 North Center Street	Hickory	NC	28601	Catawba	UST
0-021965	Hickory Express 220/24541	2016 North Center St	Hickory	NC	28601	Catawba	UST
0-024930	Hickory Printing Group. Inc.	542 Main Avenue S.E.	Hickory	NC	28601	Catawba	UST
0-025655	Leatherman Fashion Footwear.	838 14Th Street, Ne	Hickory	NC	28601	Catawba	UST
0-025684	Hickory Ems Base	826 Second Avenue Se	Hickory	NC	28602	Catawba	UST
0-025767	Cental Of Nc Dba Sprint	320 1St Ave Nw	Hickory	NC	28601	Catawba	UST
0-025816	Louis Lavitt Co.	1025 Tate Blvd Se	Hickory	NC	28601	Catawba	UST
0-027569	Wilco 341	2418 Springs Road Ne	Hickory	NC	28603	Catawba	UST
0-028562	Hickory Exxon Wrecker Serv In	903 3Rd Ave Nw	Hickory	NC	28601	Catawba	UST
0-028564	Cubbard Express 1	191 Hwy 321 N W	Hickory	NC	28601	Catawba	UST
0-029169	Sweetwater Elementary School	2110 Main Ave Se	Hickory	NC	28601	Catawba	UST
0-030243	B & M Electric Motor Service	20Th Street Place Nw	Hickory	NC	28601	Catawba	UST

**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
0-030245	Carving Craft Inc	120 11Th St Nw	Hickory	NC	28601	Catawba	UST
0-029956	Times Turn Around Food Store	1128 Lenoir Rhyne Blvd.	Hickory	NC	28601	Catawba	UST
0-030698	Cubbard Express 2	1922 16Th St Ne	Hickory	NC	28601	Catawba	UST
0-031999	Wilco 347	4431 N Center Street	Hickory	NC	28601	Catawba	UST
0-032072	One Stop 122	2614 North Center Street	Hickory	NC	28655	Catawba	UST
0-032364	L A Express	2336 Springs Road Ne	Hickory	NC	28601	Catawba	UST
0-032977	Lenoir-Rhyne College	625 7Th Avenue, Ne	Hickory	NC	28603	Catawba	UST
0-032839	Fast Track 138	2455 Highway 70 Se	Hickory	NC	28602	Catawba	UST
0-033392	Propst Superette	1836 Startown Road	Hickory	NC	28602	Catawba	UST
0-034551	Shop And Save (581)	2205 1St Avenue Sw	Hickory	NC	28601	Catawba	UST
0-034523	Century Furniture Ind. Techni	25 18Th Street, Nw	Hickory	NC	28601	Catawba	UST
0-034524	Century Upholstery Distr Ctr	165 19Th Street, Nw	Hickory	NC	28602	Catawba	UST
0-034796	Electric Service Group Inc	212 2Nd St Nw	Hickory	NC	28601	Catawba	UST
0-035477	Raceway Store 6739	1141 Lenoir Rhyne Blvd, S.E.	Hickory	NC	28680	Catawba	UST
0-035610	Wachovia Bank	200 1St Avenue, Nw	Hickory	NC	28601	Catawba	UST
0-035554	Cubbard Express 7	954 16Th Street, Ne	Hickory	NC	28601	Catawba	UST
0-035567	United Parcel Service	1224 26Th Street, Se	Hickory	NC	28601	Catawba	UST
0-035965	Raceway 6744	1230 Hwy 321 Nw	Hickory	NC	28601	Catawba	UST
0-035959	Shell Bros Distr Auto Fac 2	3230 16Th Avenue, Se	Hickory	NC	28601	Catawba	UST
0-036104	Petro Express 38	2350 Hwy 70 Se	Hickory	NC	28602	Catawba	UST
0-128558	Cubbard Express 5	1128 2Nd Street N.E.	Hickory	NC	28601	Catawba	UST
0-204454	Poteat Motor Lines Inc	940 23Rd Street Sw	Hickory	NC	28601	Catawba	UST
0-207848	Viewmont Texaco	1008 2Nd Street, Ne	Hickory	NC	28601	Catawba	UST
0-007266	Ridgeview Recreation Center	700 1St Street S.W.	Hickory	NC	28601	Catawba	UST
0-007267	Westmont Recreation Center	1316 Main Avenue Drive N.W.	Hickory	NC	28601	Catawba	UST
0-011036	RaderS Truck Garage. Inc.	911 2Nd Avenue S.W.	Hickory	NC	28601	Catawba	UST
0-034241	Formerly Dominion Textiles	155 21St Street Nw	Hickory	NC	28603	Catawba	UST
0-031837	Pope Companies	4020 10Th Avenue Drive, Sw	Hickory	NC		Catawba	UST
0-030244	Martin Advantage	109 11Th St Nw	Hickroy	NC	28601	Catawba	UST
NCD982131369	Jeffco Furniture Inc	500 Hwy 70 E	Hildebran	NC	UNK NOW N	Catawba	HWGT
NCD045456340	National Transmission Ctr Inc	367 I-40 Access Rd Se	Hildebran	NC	28637	Catawba	HWGT
NCG180046	Lexington Furniture Ind-#10	100 1St St Nw	Hildebran	NC	28637	Catawba	NPDES
11497	Forest City Tool	620 23Rd St Nw	Long View	NC	28601	Catawba	PIRF
975938971182CA0185 25701A006CFE7B	Synthetics Finishing - Longview	515 23Rd Street Sw	Long View	NC	28602	Catawba	TII
NONCD0000219	Long View Refuse Dump		Long View	NC		Catawba	UDS
NC0000384768	Excel Office & Contract Inc	22 30Th St Nw	Longview	NC	28601	Catawba	HWGT
11363	M & W Oil Co.	2408 1St Ave. Sw	Longview	NC	28602	Catawba	PIRF
15667	Former Rudisill'S 66 Stf Lead	2707 First Ave Sw	Longview	NC	28601	Catawba	PIRF



**Table 3: Potential Contaminant Sources within the Priority Area, continued**

PCS ID	PCS NAME	ADDRESS	CITY	STATE	ZIP	COUNTY	PCS TYPE
0-004471	Ryder Transportation Serv 025	3456 20Th Avenue Southeast	Netwon	NC	28658	Catawba	UST
NCD981863962	Ryder Truck Rental #0257	3456 20Th Ave Se	Newton	NC	28658	Catawba	HWGT
NCG080399	Grand Llc	3255 20Th Ave Se	Newton	NC	28658	Catawba	NPDES
85850	Doug White Auto Mart	3351 Highway 70E	Newton	NC	UNK NOW N	Catawba	PIRF
BBC1C4D138F2225E8 525702600464C0D	Ryder Transportation Services #0257 Newton	3456 20Th Avenue Se	Newton	NC	28658	Catawba	TII
0-002433	Citgo Fuel Center	3361 Hwy 70 Se	Newton	NC	28658	Catawba	UST
0-021006	Cc&Ps. Div. Of State Hwy Patr	3265 Us 70 Se (District Office)	Newton	NC	28658	Catawba	UST

NC DEQ Source Water Protection Branch

## **Appendix C**

### Alexander County Hazard Response Plan

**Figure 1: Alexander County Hazard Response Plan**

## **HAZARDOUS MATERIALS ANNEX Emergency Support Function (ESF) – 10**

### **Introduction**

The Emergency Support Function ESF #10 – Hazardous Materials Response supports the North Carolina Emergency Operations Plan and the local response priorities of Alexander County. The emergency support function involves direction and coordination, operations, and follow-through before, during, and after an emergency or disaster.

### **Purpose**

To establish responsibilities, policies and procedures for a coordinated response by local municipalities and county agencies to minimize the adverse effects of hazardous materials to the environment resulting from an uncontrolled release of/or exposure to such chemicals. Hazardous materials pose a potential threat to Alexander County and the Town of Taylorsville at both fixed facilities and during transport.

### **Situation and Assumptions**

The threat of a major disaster involving hazardous materials has escalated due to the increase in everyday use and transportation of chemicals by the various segments of our population.

Hazardous materials emergencies could occur from any one of several sources including shipping, roadway and rail transportation, aircraft accidents, or fixed facility accidents.

Evacuation or sheltering in place may be required to protect portions of the population of Alexander County.

Certain hazardous material incidents will require additional response capabilities other than those that are currently available in Alexander County. Resources may need to be requested from State and Federal agencies.

Victims of a hazardous materials incident may require unique or special medical care not typically available in the county.

The release of hazardous materials may have short and/or long term health, environmental and economic effects depending upon the chemical composition of the substance.

Hazardous materials emergencies may occur without warning requiring immediate emergency response actions.

The local jurisdiction must respond to the incident in the initial phase without assistance from outside the jurisdiction. This includes notification and warning of the public, evacuation or sheltering in place, immediate first aid, and isolation of the scene.

Currently Alexander County has a local Hazardous Material Team and there are seven State Regional Response Teams strategically placed throughout the State, these teams are trained and equipped to respond to and resolve hazardous material emergencies. Each County in the state is assigned a team to work with on hazmat incidents, however, these teams do not clean up hazardous materials. Alexander County Emergency Services must submit a request to the NC Division of Emergency Management requesting the team to respond.

Planning and training prior to an incident will significantly reduce the risk to personnel.

A facility involved in a hazardous material incident will provide all information required by SARA Title III, Section 304 in a timely basis.

## Figure 1: Alexander County Hazard Response Plan, continued

The US DOT Emergency Response Guidebook, alone or in combination with other information sources, is used as a guide for initial protective action at incidents involving hazardous materials.

Incidents in which the military can be identified as the responsible party will generally be resolved by Federal resources.

Hazardous material incidents that occur in which the responsible party cannot be identified will be resolved at the expense of the property owner (if on private property) or jurisdiction (if on public property) in which the event occurred.

### **Concept of Operations**

Standard Operating Procedures (SOP's) will be developed and maintained by the agencies that have primary functional responsibility for this ESF in cooperation with Alexander County Emergency Services.

This function will be coordinated with and involve other support agencies.

The legal duty for reporting, containing, and clean up of a hazardous materials incident rests with the responsible party for the material prior to the incident.

The emergency support function for hazardous materials is the primary responsibility of Alexander County Emergency Services. Secondary support for this function is the responsibility of the local Hazardous Materials Team and the servicing fire department for the location of the incident within Alexander County.

The primary agencies for containment, identification of the materials, cleanup coordination and environmental assessment will be Alexander County Emergency Services, the local Hazardous Materials Team and the responding fire departments depending on the jurisdiction.

There are several types of incidents involving hazardous materials: (1) incidents at fixed facilities, (2) shipping incidents, (3) roadway or rail transportation accidents, and (4) unknown materials on the river shore, railroad, or roadway.

The level of response required for an incident is determined by:

- The quantity, quality and the toxic effects of the material involved in the release,
- the population and/or property threatened,
- the type and availability of protective equipment required for the released material, and
- the probable consequences should no immediate action be taken.

Depending upon the threat posed by the incident, protective measures initiated for the safety of the public could include in place sheltering, evacuation, and/or isolation of the contaminated environment.

Alexander County has minimal local response capability for monitoring or handling incidents involving radioactive materials. The local response will be limited to monitoring, evacuation, and isolation of the affected area.

The Local Emergency Planning Committee has been established at the County level to identify the magnitude of the local hazard, assess the vulnerability of the community to that hazard, and provide planning guidance for emergency response. A point of contact, the Facility Coordinator, will be identified at each covered facility as defined by SARA, Title III, Section 302.

Training programs for emergency responders in the County will be through individual agency in-service training, community college courses, and other offerings of related training.

Exercise schedules for this plan are developed and maintained by the Alexander County Emergency Services.

**Figure 1: Alexander County Hazard Response Plan, continued**

Activities in support of ESF#10 are divided below into two separate categories, those actions to be accomplished prior to the emergency situation (mitigation/preparedness) and those actions carried out as the disaster unfolds (response/recovery):

**Mitigation/Preparedness**

- Each primary and secondary agency is responsible for developing, maintaining and updating training programs and SOP's in accordance with CFR 1910.120.
- Have all appropriate personnel trained in the National Incident Management System (NIMS) to the awareness level.
- Plan for response to hazardous materials incidents and coordinate with Alexander County Emergency Services and other first responders.
- Train all first responder agencies in local SOP's for hazardous materials incidents.
- Participate in drills and exercises to evaluate mass care and shelter capability for response and evacuation due to a hazardous materials release.
- Maintain the appropriate policies and procedures for hazardous materials clean up coordination.
- Establish mutual aid agreements/Memorandum of Understanding for appropriate secondary response.

**Response/Recovery**

- Local Hazardous Materials Team (primary) and/or Jurisdictional authority (Fire Department-secondary) should establish an Incident Command System and maintain control until the incident is terminated and/or stabilized.
- Operate within the National Incident Management System (NIMS).
- Establish a command post at a safe distance near the scene or request that the EOC be staffed if the situation becomes excessive.
- Utilize a Unified Command System to coordinate the incident response in the event of a Multi-Agency/Multi-Jurisdictional incident.
- Incident commander should verify the incident information and make appropriate local notifications.
- Request assistance for emergency health and medical issues, as well as mass care, if the situation warrants.
- Ensure availability of expertise and equipment to manage the incident.
- Ensure that proper procedures/protocols for biological agents and threats are adhered to.
- Utilize proper procedures for containment and control of the hazardous materials incident to prevent additional dangers.
- Utilize appropriate procedures to recognize and control radiological incidents.
- Utilize proper procedures to coordinate clean up and remediation.
- Establish area security and prohibit all unauthorized personnel from entering the containment area.
- 
- Maintain records of expenditures and document resources utilized during recovery.

## **Appendix D**

### Burke County Hazard Response Plan

**Figure 2: Burke County Hazard Response Plan**

- Make sure Command Post is at a safe location
- Establish unified command, if appropriate, with agencies on scene
- Identify lead state agency, if any
- Establish staging areas for equipment, medical treatment
- Assure notifications made
- Determine assistance needed from other agencies

**Determine the Hazard**

- Check placards, shipping, etc.
- Use reference books and off-scene help (i.e. Emergency Management, Fire Marshal, CHEMTREC, etc).
- Identify hazardous material, estimate threat to the population and environment
- Determine wind speed and direction
- Determine downwind, downstream, and down slope exposures
- Identify ignition sources
- Use available detection equipment

**Provide for Personnel Safety**

- Ensure the use of proper personal protective equipment
- Evaluate need for further evacuation
- Document personnel exposure
- Appoint a Safety Officer

**Assign Personnel Responsibilities (as appropriate)**

- Staging \_\_\_\_\_
- Evacuation \_\_\_\_\_
- Rescue \_\_\_\_\_
- Traffic and crowd control \_\_\_\_\_
- Containment \_\_\_\_\_
- Fire suppression \_\_\_\_\_
- Public information \_\_\_\_\_

- Communications \_\_\_\_\_
- Safety \_\_\_\_\_
- Emergency Medical \_\_\_\_\_
- Documentation \_\_\_\_\_

**Evaluate Control Line and Revise (if necessary)**

- Use tape, rope, fire-hose, etc.
- Leave a margin of error

**Incident Management**

- Develop incident action plan
- Oversee incident operations
- Coordinate activities with EOC, Communications Center, etc., as appropriate

**Decontamination**

- Assign decontamination area officer and team
- Identify people and equipment possibly exposed
- Set up decontamination area procedures

**EVACUATION / SHELTER ACTIVITIES: (COMMAND POST)**

**Determine Danger Area**

- Identify people and facilities in danger area.
- Decide between evacuation or shelter. (What will best reduce exposure).
- Determine size of spill
- Determine plume direction
- Identify people and facilities in danger area

**Decide between evacuation and / or shelter in place. (What will best reduce exposure.)**

**Begin warning and/or evacuation procedures for those nearest the accident site. Work outward from the accident site.**

**Notify necessary support agencies:**

- Law enforcement agencies
- Local T.V., Radio, Cable and Newspaper through the PIO

**Figure 2: Burke County Hazard Response Plan, continued**

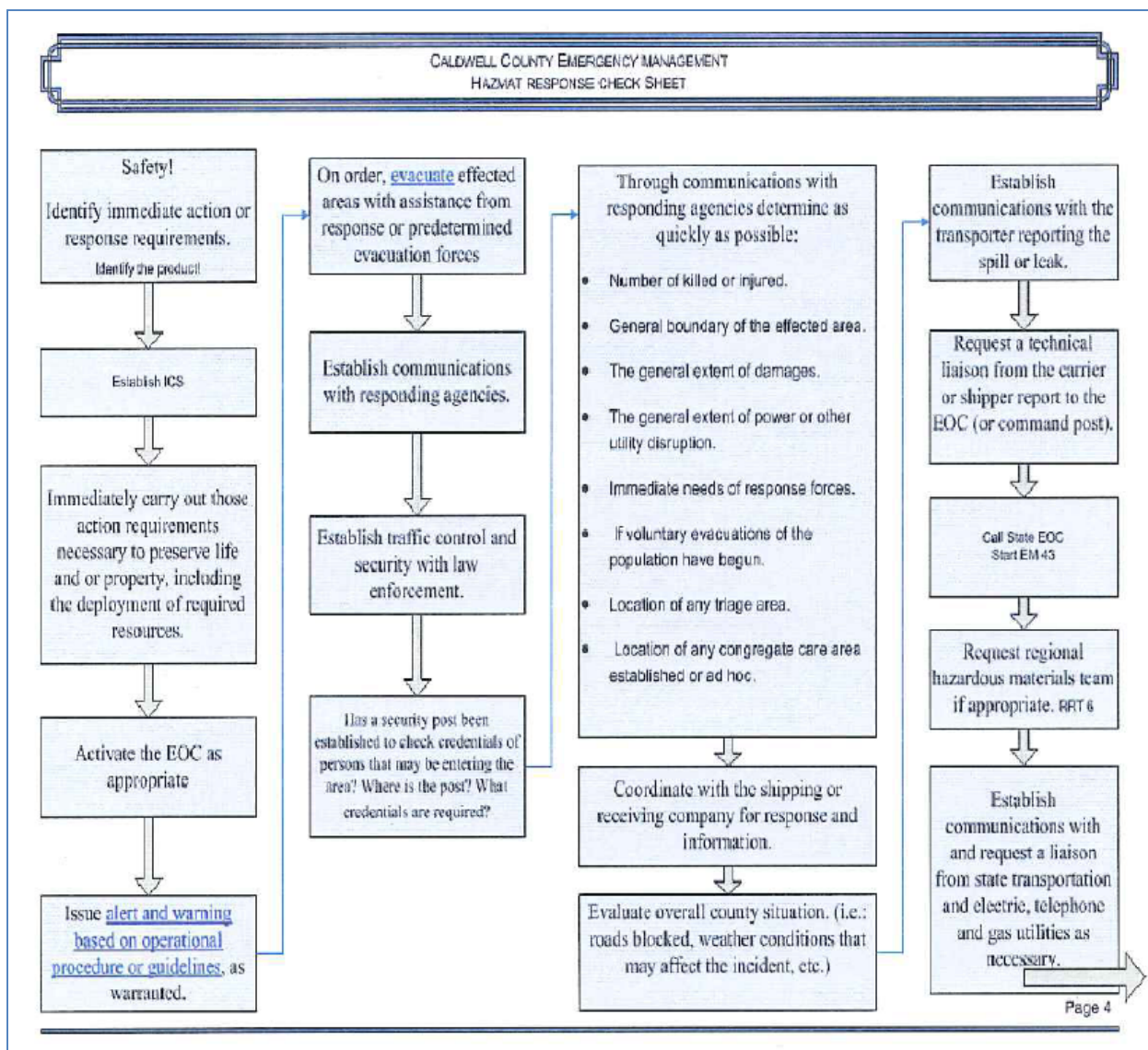
<ul style="list-style-type: none"> <li><input type="checkbox"/> Telecommunicators</li> <li><input type="checkbox"/> Emergency Management (Red Cross, County Public Health Department, Transportation Coordinator, County Social Services when rest homes, family care homes, or special needs groups are involved)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Establish perimeter-using rope, barricades, vehicles, etc. (Note: avoid flares if any indication that combustible or flammable chemicals are present)</li> <li><input type="checkbox"/> Reroute pedestrians and vehicles around perimeter - keep onlookers, news media and others from excluded area</li> <li><input type="checkbox"/> Request additional assistance as needed</li> <li><input type="checkbox"/> Be prepared at the request of the OIC, to remove persons hindering emergency operations</li> <li><input type="checkbox"/> Reopen evacuated areas at the determination of Command Post</li> </ul>
<p><b>EMERGENCY MEDICAL SERVICES (EMS)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Be aware of dangers</li> <li><input type="checkbox"/> Take proper precautions to protect yourself when handling casualties</li> <li><input type="checkbox"/> Coordinate actions with OIC (Command Post)</li> <li><input type="checkbox"/> Identify medical risks to victims and emergency responders</li> <li><input type="checkbox"/> Establish medical triage area, if necessary</li> <li><input type="checkbox"/> Determine and establish appropriate treatment</li> <li><input type="checkbox"/> Coordinate emergency transportation</li> <li><input type="checkbox"/> Coordinate with hospital and medical personnel</li> <li><input type="checkbox"/> Coordinate with Red Cross Mass Care Coordinator and/or EOC logistics regarding medical services required by evacuees</li> <li><input type="checkbox"/> Decontaminate personnel - victims and equipment as needed</li> <li><input type="checkbox"/> Help question/examine responding personnel on state of health and treat as required</li> <li><input type="checkbox"/> Identify yourself to OIC as representing public health.</li> <li><input type="checkbox"/> Coordinate with medical services</li> <li><input type="checkbox"/> Confirm health hazard</li> <li><input type="checkbox"/> Provide medical monitoring of emergency personnel as needed</li> </ul>	<p><b>PUBLIC WORKS/UTILITIES</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Coordinate activities with OIC</li> <li><input type="checkbox"/> Be prepared to assist with traffic control, providing barricades, etc.</li> <li><input type="checkbox"/> Be prepared to provide sand for absorption and diking</li> <li><input type="checkbox"/> Be prepared to cut off power, gas, water, etc., as required</li> </ul>
<p><b>PUBLIC HEALTH</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Investigate toxic levels of materials involved</li> <li><input type="checkbox"/> Confirm evacuation area perimeters</li> <li><input type="checkbox"/> Insure no biological agents involved (contact N.C. Division of Health if biological agents involved)</li> <li><input type="checkbox"/> Work with State and Federal agencies to address environmental health/sanitation impacts</li> </ul>	<p><b>PUBLIC INFORMATION OFFICER</b></p> <p><b>Initial Actions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Work with OIC on press releases</li> <li><input type="checkbox"/> If necessary, contact local media and inform them of nature of the emergency and other pertinent information, as appropriate.</li> <li><input type="checkbox"/> Set up press briefing area as close to the command post as possible, but in such a way that it does not interfere with the command post.</li> <li><input type="checkbox"/> Establish both incoming and outgoing telephone communications at the press briefing area, if possible.</li> <li><input type="checkbox"/> Be available to supply information to press, on request.</li> <li><input type="checkbox"/> Periodically get status summary from OIC.</li> </ul>
<p><b>LAW ENFORCEMENT</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Determine with the Officer-in-Charge on the need for an exclusion perimeter, and the distances to establish traffic control</li> </ul>	<p><b>Long Term Actions (if required)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Coordinate press releases with involved agencies</li> <li><input type="checkbox"/> Coordinate with State and Federal PIOs</li> <li><input type="checkbox"/> Be the direct liaison with all the news media</li> <li><input type="checkbox"/> Do follow-up after the emergency is over for evaluation purposes</li> <li><input type="checkbox"/> Offer ongoing contact with media for wrap-up stories.</li> </ul>



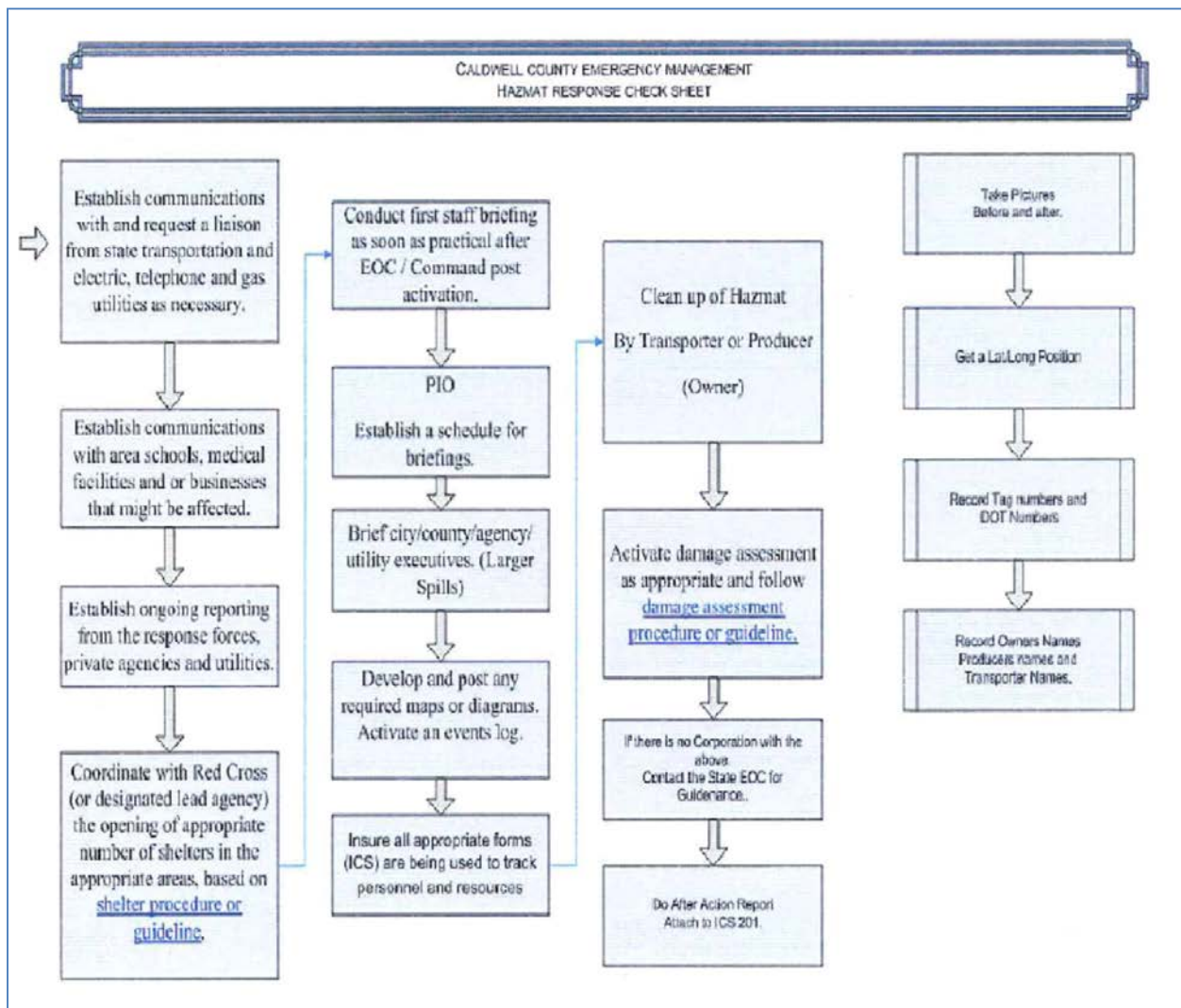
## **Appendix E**

### **Caldwell County Hazard Response Plan**

**Figure 3: Caldwell County Hazard Response Plan**



**Figure 3: Caldwell County Hazard Response Plan, continued**



## **Appendix F**

### Catawba County Hazardous Materials Operating Guidelines

**Figure 4: Catawba County Hazard Response Plan**

**APPENDIX B**

**FIRST RESPONDER (LEVEL I)- STANDARD OPERATING PROCEDURES**

**AWARENESS LEVEL.....**

H.1: Action should be avoided until the product is identified and hazards known. No-action, if product cannot be identified and/or personnel cannot perform control action safely:

1. Isolate immediate release area.
2. Maintain perimeter control/perform necessary functions listed below in H.4.
3. Await arrival of Fire Dept Units or Hazardous Material Team.

H.2: First arriving units will begin to size-up and consciously avoid committing to any potentially dangerous situation. When approaching, slow down- or stop to assess any visible activity taking place.

H.3: **REMEMBER, QUICK AGGRESSIVE ACTION HAS NO PLACE AT A HAZARDOUS MATERIALS INCIDENT**, and may only lead to unnecessary exposure of personnel. Often times the proper action decided upon may be to take **NO ACTION** beyond keeping department and civilian personnel at a safe distance. There may be situations where **NO ACTION** will be the only safe action for first arriving units to take because of lack of proper protective clothing.

H.4: There are certain **functions** which the first responder must accomplish at the scene of the release of known or suspected hazardous materials. The first arriving unit shall:

1. Approach the incident location from upwind and uphill.
2. Position vehicle back from the incident location.
3. Avoid entering or close approach to any vapors or smoke.
4. Consider all unidentified containers or released products (including smoke) as a hazardous material until identified as non-hazardous.
5. Assess the incident from a distance.
6. Identity the type of incident:
  - a. Hazardous material release with fire.
  - b. Hazardous material release with no fire.
  - c. Hazardous material involved, no release apparent, with fire.
  - d. Hazardous material involved, no release apparent, no fire.

**Figure 4: Catawba County Hazard Response Plan, continued**

7. Advise the Communications Center and other responding units of type of incident and appropriate response entry route or **location of staging area**.

8. Identify or categorize released product if safe to do so:

- a. Visual observations/markings & colors/container shape.
- b. Verbal information.
- c. Placards, labels and /or shipping papers.

9. Get as much information regarding the incident as possible

10. Notify the Communications Center of the situation and product involved.

11. Utilize the **U.S. DOT Emergency Response Guidebook** for recommended actions.  
(Chemtrec 1800-434-9300).

12. Request indicated assistance.

- a. Fire department units.
- b. Hazardous Materials Team (automatically dispatched on Level II and Level III incidents)
- c. Additional law enforcement:
  - (1) Traffic control
  - (2) Perimeter control
  - (3) Evacuation
- d. Technical support:
  - (1) Department technical advisors
  - (2) Poison Control Center
  - (3) Ambulance
  - (4) Monitoring equipment

13. Protection measures:

- a. Personnel upwind /uphill
- b. Vehicle upwind /uphill
- c. Distance
- d. Avoid contact with released product
- e. Avoid action until product identified and hazards known.
- f. Use personal protective equipment

14. Site Management: Rescue, Isolate, Control, Exposures (RICE):

- 1. (See Chapter 3 page 6 - Scene Management)
- 2. (See Appendix N - Incident Command Procedures)

a. **Rescue**

- (1) If immediate rescue is indicated, perform only with awareness of hazard and minimum number of personnel required. Avoid as much personal contact as possible.

**Figure 4: Catawba County Hazard Response Plan, continued**

- (2) Rescue should only be attempted when risk to personnel is known. Use caution, do not become a casualty yourself.
  - (3) When the hazard is unknown, rescue should not be initiated until the Hazardous Materials Team has assessed the situation.
- b. **Isolate** immediate release area. Establish incident control zones and establish the Initial Command Post.
- (1) Evacuate as necessary. Based on past experiences, evacuation distances of up to 2,000 feet in every direction should be considered. (U.S. DOT EMERGENCY RESPONSE GUIDEBOOK evacuation distances shall be used, if available).
  - (2) Isolation and evacuation should be accomplished **in** increments. Heating, ventilating and air conditioning systems in exposed buildings may need to be shut down. Consider movement of people in exposed buildings to the far side of the building and then evacuate.
  - (3) Deny entry to people / vehicles.

**OPERATIONS LEVEL.....**

**Additional Actions for Response Personnel (operations level)**

**c. Control:**

- (1) Confine /contain product to as small an area as possible.
- (2) Prevent container failure.

**d. Exposures:**

- (1) Protect exposures.
- (2) Attempt to extinguish fires if appropriate and safe.
- (3) Contain contaminated runoff if practical.
- (4) Prevent hazardous and toxic materials from entering sewers, etc., if practical.

15. First Responders (Operations Level) should determine, if the hazardous material has been identified, associated hazards determined and proper control measures implemented. After this evaluation, the IC must determine if recovery and cleanup by the spiller and/or termination of the incident, should began. If First Responders are terminating the incident utilize procedures outlined in this SOG.

16. **If additional actions are needed, the Haz-Mat Team** should be requested to respond (if not at the incident) and follow their standard operating procedures.

**TRAINING**

**First Responder Levels:**

**A. Police:** Response by Police Officers will be at the awareness level and shall meet all requirements of 29 Code of Federal Regulations 1910.120 (q) (6) (i).All required training for Police personnel will be arranged by the individual Police Department.

**B. Firefighters:** Response by Firefighters will be at the operations level and shall meet all requirements of 29 Code of Federal Regulations 1910.120 (q) (6) (ii).All required training for Fire personnel will be arranged by the individual Fire Department.

**Figure 4: Catawba County Hazard Response Plan, continued**

**APPENDIX C**

**Hazardous Materials Team (Level II) - Standard Operating Procedures**

**A: Introduction:**

This procedure establishes guidelines for response and operations of the Hazardous Materials (Haz-Mat) Response Team.

The purpose of the Haz-Mat Response Team is to provide Catawba County with a technically trained and specially equipped group of personnel to assist in the successful mitigation of emergencies involving hazardous materials.

Functions and responsibilities of the Haz-Mat Response Team will include:

- (a) Development and analysis of technical information to assist in decision making.
- (b) Development and analysis of tactical options and solutions to incident problems.
- (c) Use of specialized personal protective clothing and equipment, including Level A chemical protective clothing.
- (d) Supervise and coordinate Haz-Mat Sector operations under the overall command of the Incident Commander.

**RESPONSE TEAM OPERATIONS:**

The Haz-Mat Response Team will be alerted to respond to haz-mat incidents under the following conditions: See Chapter 5 Page 10 of this Guide.

**B: Response Team Organizational Structure**

The Catawba County Hazardous Materials Team will be comprised of properly trained personnel from various emergency response agencies throughout Catawba County. These agencies can include, but are not limited to, Fire Departments, Catawba County EMS and Catawba County Emergency Management.

The Catawba County Hazardous Materials Team will be under the direction of the **Haz-Mat Team Leader**, who will report to the Operations Chief.

**C: Response Team Personnel Assignments**

The Haz-Mat Operations Officer will function as the liaison between all HazMat Sector Operations and the Incident Commander.

The Haz-Mat Operations Officer will be responsible for assigning the following positions and/or responsibilities on all working incidents.

1. **Information/Reference/Research Officer** - Responsible for the assembly and analysis of all technical reference materials, incident data and other resources (Including interviews of technical information



**Figure 4: Catawba County Hazard Response Plan, continued**

sources and representatives). Shall make recommendations concerning protective clothing and equipment, mitigation procedures, and evacuation distances.

2. **Haz-Mat Safety Officer** - Responsible for the health and safety of all personnel operating within the hot and warm control zones. Shall observe operations for unsafe conditions and retains authority to order those personnel back to the perimeter of the hot zone. Shall remain in constant contact with the Haz-Mat Operations Officer and the Incident Safety Officer, as well as maintain a log of exposure times for each individual operating within the hot zone.

3. **Reconnaissance(Recon Officer) And Entry Officer** - Responsible for the physical reconnaissance of the problem area, including all entry operations, where safely possible. Shall document and report to the Haz-Mat Operations Officer the presence of potential life and environmental hazards, including run-off, escape routes, terrain conditions, etc.

4. **Resource Officer** - Responsible for the control of all tools and equipment used during hot zone operations. Shall document the use of all expendable items, as necessary. This position may be delegated to Level I personnel, if necessary.

5. **Decontamination (Decon Officer)** - Responsible for implementation of the decontamination standard operating procedure, as necessary. Shall coordinate all decon activities with the Haz-Mat Operations Officer and the Emergency Medical Officer from the time at which entry operations commence until the incident is terminated.

All remaining Level II personnel shall perform specific assignments as designated by the Haz-Mat Operation Officer, utilizing the appropriate level of personal protective clothing.

**D: Incident Management**

On all haz-mat incidents, the Incident Commander shall remain in charge of the incident in accordance with this Guide.

The Haz-Mat Operations Officer shall:

1. Begin supervision and coordination of all hazardous materials operations through the Incident Commander.
2. Develop tactical options and solutions for the problem at hand for evaluation by the Incident Commander.

**All Hazardous Materials incidents shall be managed according to the following eight-step procedures:**

1. Site Management and Control-Isolate the area and deny entry
2. Identify the materials involved.
3. Evaluate hazards and risks.
4. Evaluate protective clothing and equipment
5. Coordinate information and resources.

**Figure 4: Catawba County Hazard Response Plan, continued**

6. Hazardous materials control, containment and confinement
7. Decontamination procedures.
8. Incident termination (debrief /document ).

The skills and training of the Hazardous Materials Team should be utilized to the fullest extent, and duties not requiring these skills shall be assigned to others.

Control of events within the safety perimeter shall be the responsibility of the Hazardous Materials Operations Officer who has been trained and equipped to deal with "hands on" mitigation efforts.

All members of the Hazardous Materials Team dispatched to an incident must be kept intact as one unit to fulfill team responsibility and maintain the required level of personnel safety. It is the responsibility of the Incident Commander to insure that this requirement is being met during all phases of a "working" hazardous materials incident

Provide technical expertise, equipment and assistance at the incident and perform duties as directed by the Incident Commander.

**Establishing zones:**

The first arriving response vehicle shall establish a security zone for the safety and protection of personnel. The Haz-Mat Operations Officer shall evaluate the zones established by the first arriving response vehicle and recommend any necessary changes to the IC.

Zones may be decreased or increased depending on the type of product(s) and shall be established by using monitors.

Zones shall be monitored throughout the operation and shall be up-graded as necessary.

**The following considerations apply to all operations conducted in the hot zone:**

1. Entry into the hot zone shall be restricted to hazardous materials-trained personnel or individuals possessing particular knowledge of the problem or situation, under monitored conditions. All personnel shall be in the appropriate type and level of protective clothing and will function under the direct control of the Haz-Mat Operations Officer.

2. Prior to donning protective clothing, personnel shall remove personal belongings, (i.e., wallets, watches, jewelry, etc.) as necessary.
3. The type and level of protective clothing for the hot and warm zones shall be specified by the Haz-Mat Operations Officer with respect to recommendations received from the team member serving as "Information/Research".
4. The team member serving as the Haz-Mat Safety Officer ("Haz-Mat Safety") shall be positioned in the warm zone at the entry point into the hot zone.

**Figure 4: Catawba County Hazard Response Plan, continued**

5. All entry and reconnaissance operations shall be conducted utilizing a minimum of two personnel each; a primary entry team and a back-up entry team. The back up entry team shall remain at the perimeter of the hot zone until needed.

6. Prior to entry into the hot zone all entry teams shall receive a briefing session. Subject matter shall include expected conditions, objectives of the entry operation, control techniques and procedures, decontamination operations and any pertinent emergency procedures as the situation warrants.

7. Maximum working times for operations shall be determined by environmental conditions and the type of respiratory protection selected, as follows:

- a. 30 minute SCBA - 15 minute working time
- b. 60 minute SCBA - 30 minute working time
- c. 4 hour SCBA - as determined by the Haz-Mat Operations Officer

8. For operations inside of structures or confined areas, a complete search shall be made of the designated hazard areas to collect as much data as possible.

9. All personnel on the scene must remain alert for possible members in distress while in protective clothing. The emergency distress signal is indicated by waving both arms directly above the head.

**E:        identification /confirmation.**

- 1. Identify the product
  - a. Emergency Response personnel already on scene
  - b. Knowledgeable Personnel
    - 1. Owner
    - 2. Plant Manager
    - 3. Hauler
    - 4. Others that may be of help
  - c. Haz-mat Recon
  - d. Available Reference Material

All effort shall be made to identify the product before any type of control, confinement, or containment on the product is attempted.

**F:        Hazard Assessment:**

- A. Visualize likely behavior without intervention.
- B. Understand, track and predict given sequence of events.
- C. Factors governing the severity of an incident include:
  - (1) Intrinsic properties of the material
    - (a) Flammability
    - (b) Toxicity
    - (c) Instability
  - (2) Dispersive energy of the material
    - (a) Pressure

**Figure 4: Catawba County Hazard Response Plan, continued**

- (b) Temperature
- (c) State of matter
- (3) Quantity present
- (4) Size and condition of container
- (5) Environmental factors
  - (a) Topography
  - (b) Weather
- (6) Population density

**D. Determine potential harm:**

- (1) Fatalities -
- (2) Injuries (chronic/acute)
- (3) Property damage
- (4) Critical system disruption
- (5) Environmental damage
- (6) Legal implications

**E. Monitor area.**

**Determine response objectives:**

- a. Team meeting
- b. Consult technical references
- c. Consult with technical experts
- d. Advise I.C. of recommendations/situation
- e. Interface with other agencies

**G: Protective Clothing and Dressing Procedures:**

**(i) Determine proper level of protective clothing and implement:**

- A. All criteria in Chapter 11 (Protective Clothing) must be met
- B. See Appendix B for complete description

**(ii) PREPARATION FOR ENTRY: [Haz-Mat Entry Officer]**

All entry personnel, will make connections and go on their SCBA air supply, at the same time, by using a sequence of commands.

Operations personnel may be assigned to assist in the dressing of entry personnel. Boots, gloves, and seams shall be taped before entry is made.

Entry and work will be by the buddy system.

In the event, the work team is out of sight, a third person shall enter with the work team for safety. It will be the responsibility of the third person to maintain visual contact with the work team and the standby team.

Blood Pressure, Pulse and Temperature shall be taken and recorded before any entry is made and after work assignment is completed.

#### Figure 4: Catawba County Hazard Response Plan, continued

The EMS Officer/Entry Officer shall record all information of Blood Pressure and Pulse of All DRESSED PERSONNEL.

Once entry is made, no exit of the hot zone shall be made without first entering the decontamination stations.

Support team shall escort work team from decon to Hazmat Command for undressing work team. NOTE: (Blood Pressure and Pulse shall be taken at this time and recorded.)

No re-entry shall be made without a rest period.

(Exception: It may be necessary to re-enter the work area, if this is warranted the entry team must enter and proceed through the first two stations of decon. At such time a resupply of air may be made at the decon area.

#### (iii) AIR TIME-KEEPER

The air time-keeper (appointed by the Haz-Mat Operations Officer) shall compute work time and shall convey this information to the entry team.

The air time-keeper shall vocalize loudly the time remaining starting at the lowest time/air pressure at 5 minute intervals until time remaining is 5 minutes. At this time, the air time-keeper shall vocalize remaining time in 1 minute intervals.

The entry work team has exhausted their work time and must exit at this time.

The air time-keeper shall record all information and shall turn this information over to the HazMat Operations Officer.

#### **H: Establish resource requirements:**

- a. Fire department
- b. Additional Law Enforcement
- c. Technical experts
- d. Special equipment/apparatus
- e. Clean-up contractor
- f. State/Federal resources

#### **Control release:**

- a. Safety of personnel and public paramount
- b. Keep released product to as small an area as possible:
  - (1) Avoid contact with released product or vapors
  - (2) Eliminate ignition sources
  - (3) Catch leaking product in a container
  - (4) Confine released product
  - (5) Secure drains
  - (6) Shut off valves
  - (7) Cover to suppress vapors /hold down solids

**Figure 4: Catawba County Hazard Response Plan, continued**

- (8) Absorb vapors with water fog
- (9) Secure breached container

**J:            Decontaminate:**

On all Level II & III incidents, a Decontamination Officer (designated "Decon") shall be appointed by the Haz-Mat Operations Officer. Prior to committing personnel and equipment into the hot zone, the Haz-Mat Operations Officer, Information, and Decon shall determine whether or not decontamination resources available will be adequate for the materials involved. If inadequate, a non-intervention course of action may be indicated.

If resources are judged to be suitable, preparation of the decontamination area should commence prior to any entry operations. The intent is to have the necessary equipment in readiness should an entry team member need to exit the hot zone prior to his/her normal egress time. The Decon **Officer** shall serve as the Level II Team Liaison to EMS personnel involved in supporting all haz-mat entry and decontamination operations.

- a. Establish decontamination area, normally within the Warm Zone
- b. Personnel
- c. Equipment
- d. Apparatus
- e. Conduct medical evaluation /follow up
- f. **See appendix D for decontamination procedures**

**K:            Terminate:**

Once operations have been completed, all team members shall assemble for a short debriefing/discussion session, where comments will be recorded and information distributed regarding the hazardous materials involved, personnel exposure times and any follow-up medical information.

**Appendix G**  
Funding Sources

# Financial Assistance Resources

## Grant, Loans and Cost Share

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### **Agriculture Cost Share Program - Division of Soil and Water Conservation**

Financial incentives are provided through North Carolina's Agriculture Cost Share Program. This program is administered by the Division of Soil and Water Conservation (Division) in the Department of Environment and Natural Resources. Due to the program's success, it has been extended to all 96 Soil and Water Conservation Districts (Districts) that includes all 100 counties. 10-25%. Farmers

<http://www.enr.state.nc.us/DSWC/pages/agcostshareprogram.html>

### **Aquatic Weed Problems – Division of Water Resources**

Staff assists local governments by providing free evaluation of aquatic weed problems affecting public waters and **cost sharing** when control efforts are needed.

<http://www.dwr.ehnr.state.nc.us/wrps/weeds.htm>

### **Aquatic Restoration Grants**

Army Corps of Engineers - Section 206. Aquatic ecosystem restoration and protection projects. 35%.  
Non-federal public agencies

<http://www.saw.usace.army.mil/Floodplain/Section%20206.htm>

### **Clean Water Management Trust Fund**

CWMTF will fund projects that (1) enhance or restore degraded waters, (2) protect unpolluted waters, and/or (3) contribute toward a network of riparian buffers and greenways for environmental, educational, and recreational benefits.

<http://www.cwmtf.net/>

### **Clean Water Partners Infrastructure Program**

Rural Center - Congress provides states with grant funds to establish revolving loan programs to assist funding of wastewater treatment facilities and estuary and nonpoint programs. Local Government

<http://www.ncruralcenter.org/grants/water.htm>

### **Clean Water State Revolving Fund and the NC Clean Water Revolving Loan and Grant Program**

Wastewater System Expansion and Improvements - Division of Water resources – Construction Grants and Loans Section. The section administers two major programs that assist local governments, the federally funded. These programs can provide both low interest loan and grant funds for wastewater treatment projects.

<http://www.nccgl.net/fap/cwsrf/index.html>

### **Community Development Block Grant Program**

All North Carolina small cities in Lake Rhodhiss Watershed are eligible to apply for funds from the [U.S. Department of Housing and Urban Development \(HUD\)](#).

<http://www.ncdca.org/cdbg/>

### **Conservation Community Cost Share Program**

NCDEQ - Soil and Water Conservation Districts. Jointly funds water resources projects Local Governments

[http://www.enr.state.nc.us/DSWC/pages/ccap\\_program.html](http://www.enr.state.nc.us/DSWC/pages/ccap_program.html)



### **Conservation Reserve Program**

USDA – NRCS, Convert highly erodible cropland or other environmentally sensitive acreage to vegetative cover. Cost Sharing. Farmers, Ranchers

<http://www.nrcs.usda.gov/programs/crp>

### **Conservation Reserve Enhancement**

NCDEQ – DSWC. Seeks to protect land along water sources that is in agricultural production. Up to 75% Cost Share. Farmers, Ranchers

<http://www.enr.state.nc.us/DSWC/pages/crep.html>

### **Cooperative Water Program**

USGS – Projects associated with estuary and NonPoint Source Programs. Local Governments

<http://water.usgs.gov/coop/>

### **Ecosystem Enhancement Program (EEP)**

NCDEQ- Conduct watershed assessment, planning, and restoration implementation. EEP offers. Public and Private Entities

<http://www.nceep.net/business/landowner/landowner.htm>

### **Environmental Education Model Library Grants**

The Project Tomorrow program provides financial and other support to develop and enhance model environmental education library collections and promote the integration of environmental education in the teaching of North Carolina's competency-based curriculum.

<http://www.ee.enr.state.nc.us/pt/pttoc.htm>

### **Erosion and Sediment Control Awards, Division of Land Resources, Land Quality Section**

The North Carolina Sedimentation Control Commission (SCC) accepts and encourages proposals for research and/or educational projects related to erosion and sedimentation control. For more information, you may contact Caroline Medlin at (919) 733-4574 or at [caroline.medlin@ncmail.net](mailto:caroline.medlin@ncmail.net)

<http://www.dlr.enr.state.nc.us/eroprop.html>

### **Environmental Quality Incentives Program (EQIP)**

Farmers, Ranchers, and Eligible Civic Groups involved in Resource Planning

A voluntary program whereby eligible candidates who own or control land on which crops or livestock are produced in an identified priority area or have a State identified priority natural resource concern develop a conservation plan to manage one's valuable natural resources.

<http://www.nc.nrcs.usda.gov/Programs/eqip.htm>

### **Farmland Preservation Trust Fund -Dept of Agriculture and Consumer Services (NCDA) –**

NCDA contracted with The Conservation Trust for North Carolina (CTNC) to accept farmland easement applications, and to administer state-appropriated funds.

<http://www.enr.state.nc.us/DSWC/files/ncfpp.htm>

### **Farm Bill Programs**

Funds agricultural management and grassland, wetlands and wildlife preserve programs. Varies. Farmers, Ranchers

<http://offices.sc.egov.usda.gov/locator/app>

**Federal Program Multiple Assistance Types – Water, Wastewater  
United States Dept. of Agriculture – Rural Business-Cooperative Service**

Programs provide loans and grants for rural community water, sewage disposal, solid waste disposal, storm drain systems, telecommunications, computer networks and related technology. Eligible applicants include municipal and county governments, public service authorities, Indian tribal organizations and broadly based community nonprofit corporations.

<http://www.rurdev.usda.gov/nc/rus.htm>

**Habitat Enhancement Program (HEP)**

Duke Energy

**Nonpoint Source Management Program Funding - 319 Grant Program**

Division of Water Resources – Water Quality Section. The Clean Water Act - Section 319(h) allows EPA to provide funds to states (such as NC) who distribute the money to eligible candidates in a competitive process for innovative nonpoint source management strategies meant to be a demonstration for others.

<http://h2o.enr.state.nc.us/nps/319.htm>

**Parks and Recreation Grant Programs-Division of Parks and Recreation**

Grants to provided money to environmental organizations, and groups and state and local governments for park and recreation purposes, trail related needs and to acquire and protect important natural areas, preserve the state's ecological diversity and cultural heritage, and to inventory natural heritage resources of the state.

<http://ils.unc.edu/parkproject/prkgrants.html>

**Parks and Recreation Trust Fund (PARTF)**

PARTF is the primary source of funding to build and renovate facilities in the state parks as well as to buy land for new and existing parks. A local government can request a maximum of \$500,000 with each grant application.

<http://www.partf.net/apply.html>

**NC Rural and Economic Development Center Water and Sewer Grant Program**

The program is intended to help NC units of governments by funding up to \$10,000 per job created, for up to one half of water and sewer infrastructure costs, or a maximum of \$500,000, in projects that result in the creation of private sector jobs. Jobs must be full time, and must pay at least minimum wage. A local match of 5% of the total cost of the infrastructure is required.

For grant requirements, deadlines, and further information on the program, visit

<http://www.ncruralcenter.org/grants/water.htm>

For information on other economic development grants, visit

<http://www.ncruralcenter.org/research/grants.htm>

**NC Division of Pollution and Prevention**

The Solid Waste Management Trust Fund is used to make grants in support of waste reduction efforts. Programs can fall into two areas if eligibility: recycling business or community waste reduction and recycling.

<http://www.p2pays.org/localgov/assistance/financial.asp>

### **North Carolina Trails Program**

The NC Adopt-A-Trail Grant program awards funds totaling \$135,000 annually to government agencies, non-profit organizations, and private trail groups for such projects as trail building, trail signage and facilities, trail maintenance, and trail information brochures and maps.

<http://ils.unc.edu/parkproject/trails/grant.html>

### **Recreational Trails Program (RTP)**

A \$1.1 million dollar grant program with the intent to meet the trail and trail-related recreational needs identified by the Statewide Comprehensive Outdoor Recreation Plan (SCORP). The grant applicants must be able contribute 20% of the project cost with cash or in-kind contributions.

### **Septic Systems – Repairing or Replacing – Grants and/or Loans**

Grants and/or loans may be available to individuals and agencies for assistance in repairing or replacing inadequate wastewater treatment systems (both septic and ‘straight-pipe systems). Funding Sources for individuals located in counties with an active WaDE program, the individual may apply to the county itself for financial assistance. Funding Sources for

Individuals in counties without an active WaDE program:

<http://www.deh.enr.state.nc.us/oww/Wade/funds.PDF>

Funding Sources for Agencies:

[http://www.deh.enr.state.nc.us/oww/Wade/USDA\\_offices.PDF](http://www.deh.enr.state.nc.us/oww/Wade/USDA_offices.PDF)

### **Urban and Community Forestry Grant Program**

Division of Forest Resources. Grants are available to local or state government, educational institutions, non-profit 501(c)(3) organizations and other tax-exempt organizations. The program goal is to encourage citizen involvement in creating and supporting long-term and sustained urban and community forestry programs at the local level.

[http://www.dfr.state.nc.us/managing/urban\\_grant.htm](http://www.dfr.state.nc.us/managing/urban_grant.htm)

### **Waste Reduction Grants**

Division of Pollution Prevention - Grants are to reduce the flow of waste (i.e., organics, construction and demolition debris, electronics, paper, etc.) to North Carolina disposal facilities. Some grants are available only to government and nonprofit organizations, while others are available to the private sector as well.

<http://www.p2pays.org/financial/index.htm>

### **Water Quality Planning and Protection - Division of Water Resources – Water Quality Section – 205j Grant Program**

The Clean Water Act - Section 205(j) allows EPA to provide funds to states (such as NC) that distribute the money to eligible candidates (regional planning organizations) in a competitive process for water quality management planning. The Division prefers potential projects that deal with long-term growth management, impaired waters restoration, and public education. For more information please contact Dianne Reid 919-807-6300, [dianne.reid@ncdenr.gov](mailto:dianne.reid@ncdenr.gov)

### **Water System Improvements – Division of Water Infrastructure**

To provide guidance, technical and financial assistance to units of local government and certain non-profit water corporations, in order to provide safe drinking water in North Carolina.

<http://portal.ncdenr.org/web/wi/news>

### **Wetland Protection Development Grant**

USEPA - Develop comprehensive monitoring and assessment programs; Improve compensatory mitigation effectiveness; Refurbish wetland, aquatic resources, protection. 25%. States, tribes, local gov'ts interstate association, non governmental organizations, (NGOs), intertribal consortia, nonprofit's

<http://www.epa.gov/owow/wetlands/grantguidelines/>

### **Water Resources Grants – Division of Water Resources**

This program is designed to provide cost-share grants and technical assistance to local governments throughout the State. Applications for grants are accepted for seven purposes: General Navigation, Recreational Navigation, Water Management, Stream Restoration, Beach Protection, Land Acquisition and Facility Development for Water-Based Recreation, and Aquatic Weed Control.

<http://www.dwr.ehnr.state.nc.us/wrps/grant.htm>

### **Voluntary Environmental Improvement Bonds**

The Environmental Finance Advisory Board recently released a report on summarizing an alternative funding strategy for local governments to promote household environmental projects. In a few other states where localities have been given (or already had) the authority to implement such a program, counties and municipalities have started to lend money to households that volunteer to install environmental improvements (i.e. photovoltaic panels, energy efficiency). The local government is then paid back through a special assessment on property through property taxes. These types of assessments could potentially be used for a number of environmental improvements to a property (i.e. green roofs, stream buffers, replacement of old wood stoves, etc.).

<http://www.epa.gov/efinpage/publications/VoluntaryEnviroImprovementBondsReports.pdf>

## **FOUNDATION FUNDING**

### **The Foundation Center**

This website provides information on individual grants as well as grants for non-profits.

<http://foundationcenter.org/>

### **Z. Smith Reynolds Foundation**

This is a strong resource for county and town government striving to create “active” reform  
ZSR Foundation Focus Areas: community and economic development; democracy and civic engagement; environment; pre-collegiate education; social justice and equity

<http://www.zsr.org/>

## **GRANT RESOURCE SITES**

### **Environmental Finance Center at UNC Chapel Hill**

In addition to its Environmental Funding Database for the Southeast, the EFC provides a compendium of NC water and sewer water funding resources. Federal funding sources for environmental protection, solid waste management, watershed protection, brownfields remediation, capacity building, and energy efficiency and conservation are also posted online at <http://www.efc.unc.edu/funding.html>

### **Grants.gov**

Allows organizations to electronically find and apply for more than \$400 billion in Federal grants. Grants.gov is THE single access point for over 1,000 grant programs offered by all federal grant making agencies.

<http://www.grants.gov/>

## **EPA Grants**

The EPA has created a guide to assist local governments in the federal grant process. A list of all EPA grants, including regional grants, can be found at <http://www.epa.gov/epahome/grants.htm>

## **ENVIRONMENTAL EDUCATION**

### [American Honda Foundation Grants](#)

The American Honda Foundation makes grants to K–12 schools, colleges, universities, trade schools, and others for programs that benefit youth and scientific education. The average grant range is \$40,000 to \$80,000. Grants are awarded on a quarterly schedule.

### [Annenberg Foundation](#)

The Annenberg Foundation focuses its grantmaking on the following program areas: education and youth development; arts, culture, and humanities; civic and community; animal services and the environment; and health and human services. Letters of inquiry that address the Foundation's interests are accepted throughout the year. The Foundation only considers organizations that are tax exempt.

### [Ben & Jerry's Foundation](#)

The Ben & Jerry's Foundation offers competitive grants to not-for-profit, grassroots organizations throughout the United States which facilitate progressive social change by addressing the underlying conditions of societal and environmental problems. The Foundation will only consider proposals from grassroots, constituent-led organizations. Full grants range from \$1,001 - \$15,000 and throughout the year, the Ben & Jerry's Foundation may fund a small number of material grants for \$1,000 or less. The application process to the Ben & Jerry's Foundation begins with an initial Letter of Interest, and if invited, is followed by a full proposal. Letters of Interest may be submitted at any time and are reviewed on an ongoing basis.

### [Campus Ecology Fellowships](#)

For more than a decade, NWF's Campus Ecology program has been helping transform the nation's college campuses into living models of an ecologically sustainable society, and training a new generation of environmental leaders. Campus Ecology Fellowships are awarded to college undergraduate and graduate students who desire to help reverse global warming on campus and beyond. The maximum grant request is \$3,000

### [Captain Planet Foundation \\$250 - \\$2,500 Grants](#)

The Captain Planet Foundation provides grants of up to \$2,500 to school and community groups to support hands-on environmental projects. You can submit a proposal at any time during the year. However, proposals will only be reviewed the last day of March, June, September, and December.

### [DonorsChoose.org and Progress Energy Support Classroom Energy Projects](#)

Progress Energy will fund \$50,000 in creative energy education projects in the North Carolina communities it serves this school year.

### [Garden Club of America Scholarships and Fellowships](#)

GCA offers several research fellowships and scholarships for undergrads, grads and people already in the field. Topics include: ecological restoration, urban forestry, environmental studies, wetland studies, botany, desert studies and more.

### [Georgia Pacific Foundation](#)

The Georgia-Pacific Foundation supports a wide range of organizations that improve the quality of life in communities where Georgia-Pacific operates. The Foundation has identified the following key investment areas: educational efforts; community enrichment; environmental programs; and entrepreneurship initiatives. Applications may be submitted online from January 1 through October 31, annually.

### [Jenny Jones Announces Continuation of Community Grant Program](#)

Jenny's Heroes community grant program will donate \$1 million during 2009. The program provides grants of up to \$25,000 each to fund projects that promise long-term community benefits. The program's focus is primarily on smaller communities where fundraising can be difficult.

### [Keepers in the Classroom](#)

Programs for children offered at your location. These K-8 programs are designed to transport N.C. Zoo's education resources into the classroom. Educators will use hands-on learning techniques to unravel the mystery and marvel of the Earth's wildlife.

### [Lowe's Charitable & Educational Foundation Grants](#)

Grants range from \$5,000 to \$50,000. Community improvement projects and K-12 Public School Initiatives are primary philanthropic focus areas.

### [Plum \\$500 Youth Grants](#)

Plum TV and Do Something want to see you and your project reach the next level. Youth, age 25 or under (at time of application) are eligible to apply. \$500 Plum grants are awarded weekly.

### [National Geographic Society Young Explorer Grants](#)

The National Geographic Society's Young Explorers Grants offer opportunities to individuals between the ages of 18 and 25 to pursue research, exploration, and conservation-related projects consistent with National Geographic's existing grant programs, including the Committee for Research and Exploration, the Expeditions Council, and the Conservation Trust. The grant program accepts applications throughout the year.

### [Pay it Forward Foundation Minigrants](#)

Pay it Forward Foundation offers minigrants (from \$50 to \$500) to fund service-oriented projects designed by youth to support their school, neighborhood, or greater community. Application deadlines are January 15, April 15 and October 15 of each year.

### [Toshiba America Grants for Enhancing Math and Science Ed.](#)

Toshiba America grants up to \$5,000 for 7th-12th grade teachers and up to \$1,000 for K-6th grade teachers for enhancement in science and math education. K-6th grade program grants are due October 1. 7th - 12th grade program grants are due February 1 and August 1.

### [Urban and Community Forestry Challenge Cost-Share Grant Program](#)

The National Urban and Community Forestry Advisory Council's 2009 Challenge Cost-Share Grant Program seeks to establish sustainable urban and community forests by encouraging communities to manage and protect their natural resources. Innovation Grants and Best Practices Grants of up to \$50,000 support nonprofit organizations urban and community forestry efforts. All grants must be matched at least one-to-one with non-federal funds. Applications are due in February

Some local governments also subscribe to fee based grant information sites.

Information in this Appendices has been gleaned from multiple resources most notably:  
Jessica Stevermer, Master of Public Affairs Student, Western Carolina University  
North Carolina Office of Environmental Education  
Paul Clark, NC DEQ Division of Water resources

## **Appendix H**

Sedimentation and Erosion Control sample ordinances



## **Appendix I**

### **Sample Local Government Regulations**

**Figure 5: Sample Local Government Regulations**

Local Government	Phone	Website and Ordinance	Notes
Asheville	828-259-5830	<a href="http://www.ashevillenc.gov">www.ashevillenc.gov</a> Unified Development Ordinance (Sec.7-12-4 Steep Slope and Ridgetop Development)	Applies to areas above 2220' in elevation and existing grade >= 15% and designated ridges. Regulates amount of disturbance, road design, building height, density and vegetation removal. Incentives for building on less steep/sensitive areas.
Black Mountain	828-669-9784	<a href="http://www.townofblackmountain.org">www.townofblackmountain.org</a> Subdivision Regulations Land Disturbance and Slope Protection Ordinance	Subdivision and Land Disturbance and Slope Protection ordinances regulate disturbance, road design, vegetation, public safety and require low-impact design (LID) and conservation subdivision design in some cases.
Boone	828-268-6200	<a href="http://www.townofboone.net">www.townofboone.net</a> Steep Slope Protection Ordinance; Viewshed Protection Ordinance	Regulations focus on public safety and viewshed protection. Land disturbance is limited in viewshed areas. Developers are encouraged to minimize visual impact on ridges and steep slopes.
Brevard	828-883-8580	<a href="http://www.cityofbrevard.com">www.cityofbrevard.com</a> Unified Development Ordinance (Chapter 6. Environmental Protection)	Regulations focus on minimizing land disturbance and ensuring safe construction. Creative designs are encouraged and development potential may be transferred from steep areas to less-steep areas of parcel.
Buncombe County	828-250-4830	<a href="http://www.buncombecounty.org">www.buncombecounty.org</a> Subdivision Regulations and Zoning Ordinance	Regulates amount of land disturbance, impervious surfaces, density, road design and building height for subdivisions and multi-family dwellings. Emphasis is on limiting disturbance and impervious surfaces on steep slopes; encourages clustering development in less-steep areas of parcel in return for a density bonus.
Haywood County	828-452-6632	<a href="http://www.haywoodnc.net">www.haywoodnc.net</a> Slope Ordinance	Regulates slope height, cut and fill slopes, compaction and placement of utilities with a focus on safe construction. Established an Engineering Review Board for policy recommendations and enforcement.
Henderson County	828-697-4819	<a href="http://www.hcplanning.org">www.hcplanning.org</a> Land Development Code	County follows state ridge law, but allows for conservation subdivisions which encourage conserving steep slopes as open space through a density bonus.
Jackson County	828-631-2281	<a href="http://planning.jacksonnc.org">http://planning.jacksonnc.org</a> Mountain and Hillside Development Ordinance	Regulates all types of development and land disturbing activity in the Mountain and Hillside Development District. Limits grading, height, density, and vegetation removal. Requires compliance with BMPs in ordinance.
Waynesville	828-456-2004	<a href="http://www.townofwaynesville.org">www.townofwaynesville.org</a> Hillside Protection Ordinance	Regulates amount of grading and density based on slope. Construction on mountain ridges governed by Haywood County and State regulations.
Transylvania County	828-884-3205	<a href="http://www.transylvaniacounty.org">www.transylvaniacounty.org</a> Mountain Ridge Protection Ordinance, Subdivision Ordinance	Ridges covered include all ridges that are at least 500 feet above the elevation of an adjacent valley floor, regardless of elevation. Project approval dependent upon adequate water supply, safe waste water disposal, adequate fire protection and preservation of natural beauty.

Source: Land of Sky Regional Council, 2008