

## Appendix A. Detailed Subwatershed Fact Sheets and Maps

- **Maps of Anthropogenic Features with Key Points of Interest (Attached Separately)**

Map 1 Subwatershed UM1, UM2, BL1, BL2

Map 2 Subwatershed BL3

Map 3 Subwatershed BL4

Map 4 Subwatersheds BL5, BL12

Map 5 Subwatersheds BL6, BL7, BL8, BL9

Map 6 Subwatershed BL10, BL11

Map 7 Subwatershed BL13

Map 8 Subwatersheds UM3, UM4

Map 9 Subwatersheds UM5, UM8

Map 10 Subwatersheds UM6, UM7, LM2

Map 11 Subwatershed LM1

Map 12 Subwatersheds LM3, LM4, LM5

Map 13 Subwatershed LM6

- **Maps of Land Use/Land Cover (Attached Separately)**

Map 14 Landuse/Land Cover within Subwatersheds UM1, UM2, BL1, BL2

Map 15 Landuse/Land Cover within Subwatershed BL3

Map 16 Landuse/Land Cover within Subwatershed BL4

Map 17 Landuse/Land Cover within Subwatersheds BL5, BL12

Map 18 Landuse/Land Cover within Subwatersheds BL6, BL7, BL8, BL9

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Map 21 Landuse/Land Cover within Subwatershed UM3, UM4

Map 22 Landuse/Land Cover within Subwatershed UM5, UM8

- Map 23 Landuse/Land Cover within Subwatersheds UM6, UM7, LM2
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## Appendix B. Subwatershed Fact Sheets

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# Subwatershed BL1: Hogan Farm

## General Description

2.8 sq mi / 1,804 ac Rank Based on Size: 10

HUC-14: 03030002060100

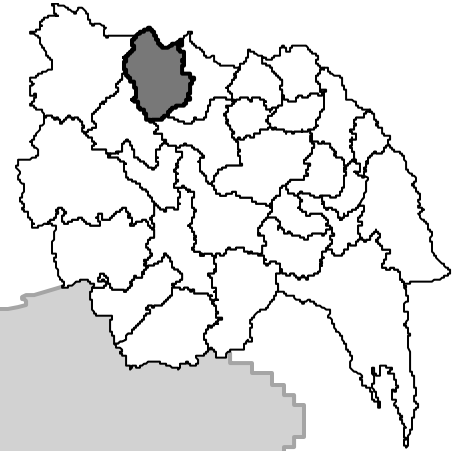
Location: Carrboro and Orange County

Major Landmark(s):

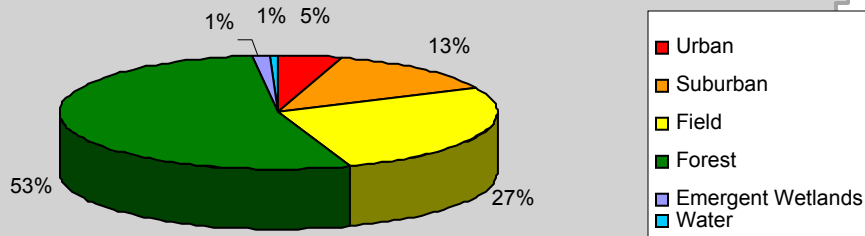
Lloyd-Andrews Farm TLC Easement

4% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



45% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

7 miles of streams

113 ac of 100 ft buffer

30% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

47% Deciduous, 7% Evergreen

<1% NWI Wetlands

4% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL2: Upper Bolin Creek

## General Description

2.0 sq mi / 1,274 ac Rank Based on Size: 15

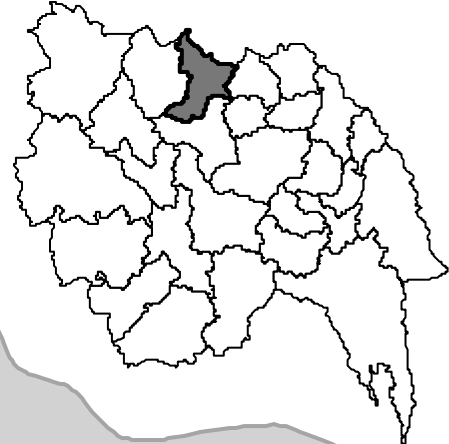
HUC-14: 03030002060100

Location: Carrboro and Orange County

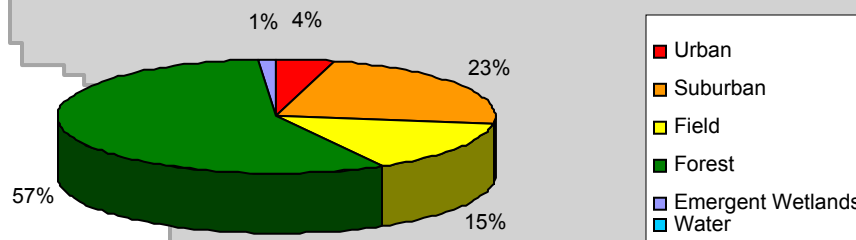
Major Landmark(s): Rogers Road Neighborhood, southern edge of Orange County Landfill

6% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



42% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.5 miles of streams

82 ac of 100 ft buffer

23% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

39% Deciduous, 18% Evergreen

<1% NWI Wetlands

3% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL3: Horace Williams

## General Description

2.4 sq mi / 1,504 ac Rank Based on Size: 14

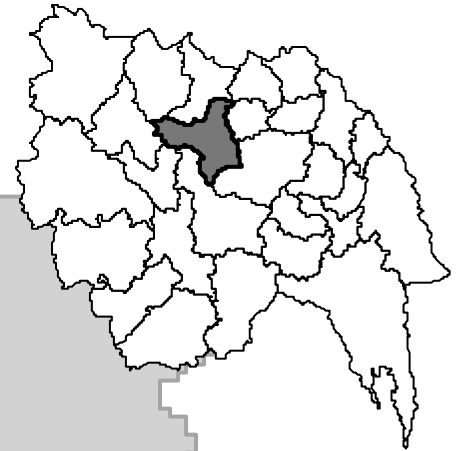
HUC-14: 03030002060100

Location: Carrboro and Orange County

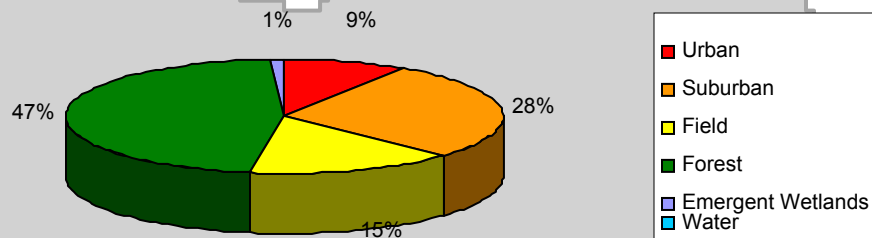
Major Landmark(s): Horace Williams Airport  
(future UNC development)

11% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



52% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

5.4 miles of streams

130 ac of 100 ft buffer

31% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

35% Deciduous, 12% Evergreen

<1% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL4: Middle Bolin Creek

## General Description

3.4 sq mi / 2,196 ac Rank Based on Size: 9

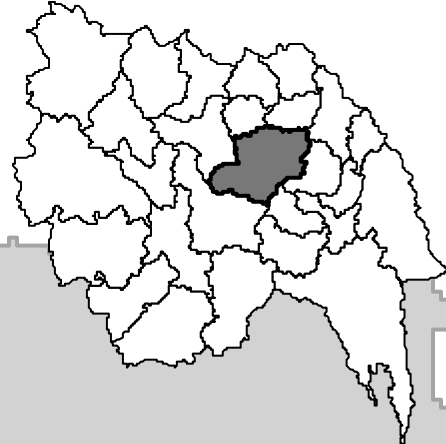
HUC-14: 03030002060100

Location: Downtown Chapel Hill and Carrboro

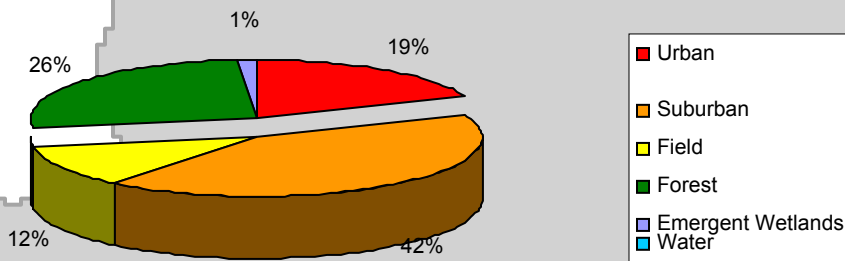
Major Landmark(s): UNC, Bolin Creek Greenway, Wilson, Baldwin, Umstead, and Hargraves Parks

25% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



72% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

6.7 miles of streams

154 ac of 100 ft buffer

53% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

18% Deciduous, 8% Evergreen

<1% NWI Wetlands

3% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL5: Lower Bolin Creek

## General Description

1.4 sq mi / 915 ac Rank Based on Size: 20

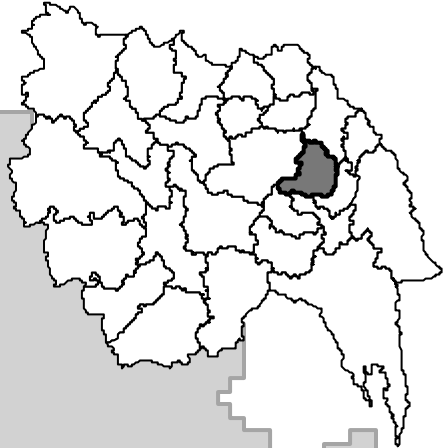
HUC-14: 03030002060100

Location: Chapel Hill

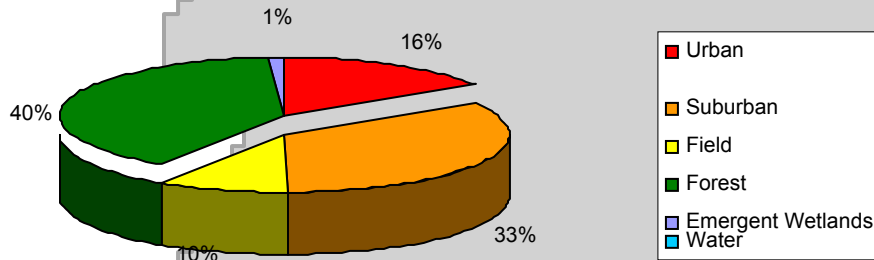
Major Landmark(s): Battle Park, Community Center Park, University Mall

23% Impervious

Contains 0.35 mi of 303(d) listed stream segments



## Landuse/ Land Cover



59% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.3 miles of streams

57 ac of 100 ft buffer

44% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

35% Deciduous, 5% Evergreen

0.9% NWI Wetlands

9% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin, Carolina Slate Belt

## Water Quality Problems and Solutions

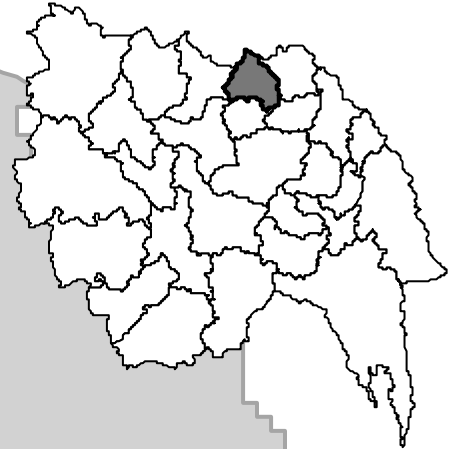
Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

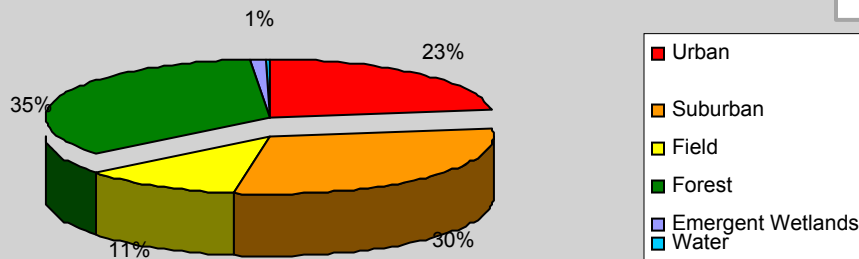
# Subwatershed BL6: Booker Headwaters

## General Description

1.3 sq mi / 850 ac Rank Based on Size: 21  
 HUC-14: 03030002060100  
 Location: Chapel Hill and Orange County  
 Major Landmark(s): Homestead Park, Timberlyne TLC Property  
 11% Impervious  
 Contains 2 mi of 303(d) listed stream segments



## Landuse/ Land Cover



64% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.0 miles of streams  
 48 ac of 100 ft buffer  
 59% of buffer disturbed  
 Major buffer disturbance: Urban

## Habitat and Soils

23% Deciduous, 12% Evergreen  
 <1% NWI Wetlands  
 2% Hydric soils  
 Major Hydric Series: Chewacla  
 Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL7: Crow Branch

## General Description

1.0 sq mi / 654 ac Rank Based on Size: 25

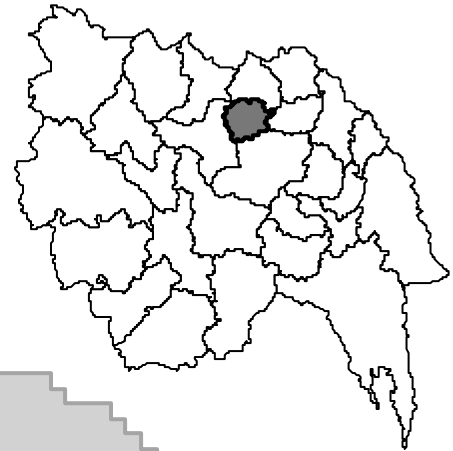
HUC-14: 03030002060100

Location: Chapel Hill

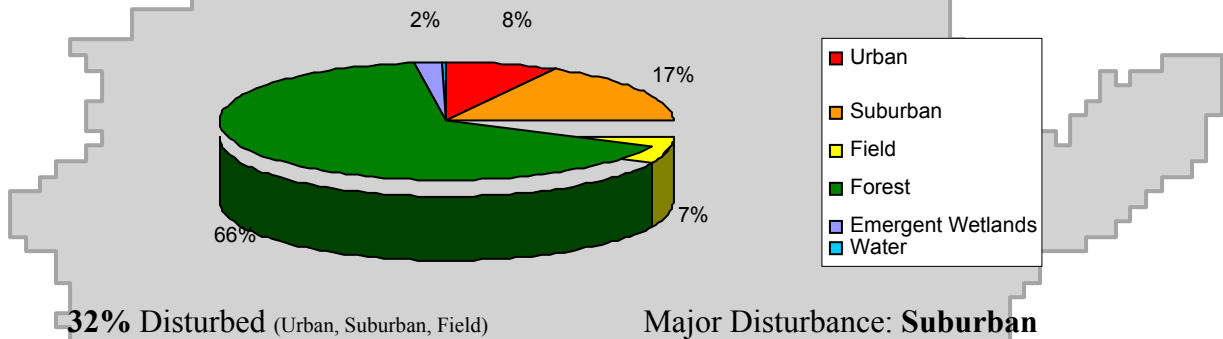
Major Landmark(s): Horace Williams Airport (future UNC development), UNC Old Sanitary Landfill

8% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



## Streams and Riparian Buffers

1.6 miles of streams

39 ac of 100 ft buffer

36% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

31% Deciduous, 35% Evergreen

0.5% NWI Wetlands

<1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL8: Cedar Fork

## General Description

1.5 sq mi / 939 ac Rank Based on Size: 19

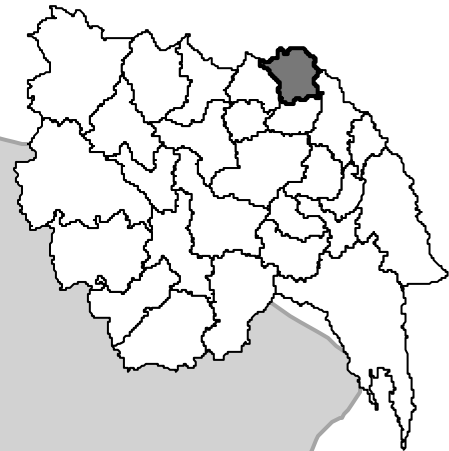
HUC-14: 03030002060100

Location: Chapel Hill and Orange County

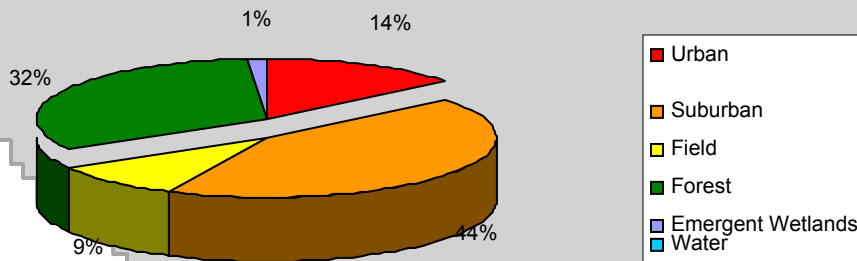
Major Landmark(s): North Forest Hills Park, Cedar Falls Park

17% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



66% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.4 miles of streams

75 ac of 100 ft buffer

49% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

24% Deciduous, 9% Evergreen

<1% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

# Subwatershed BL9: Eastwood Lake

## General Description

1.1 sq mi / 705 ac Rank Based on Size: 24

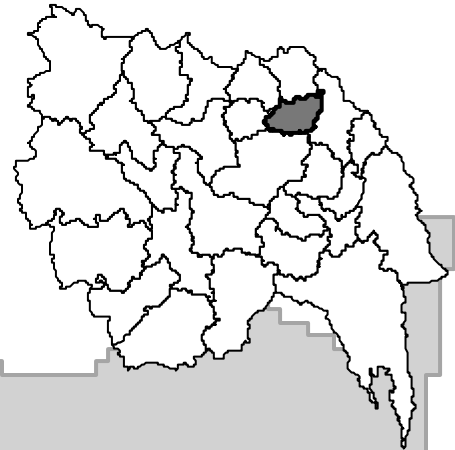
HUC-14: 03030002060100

Location: Chapel Hill

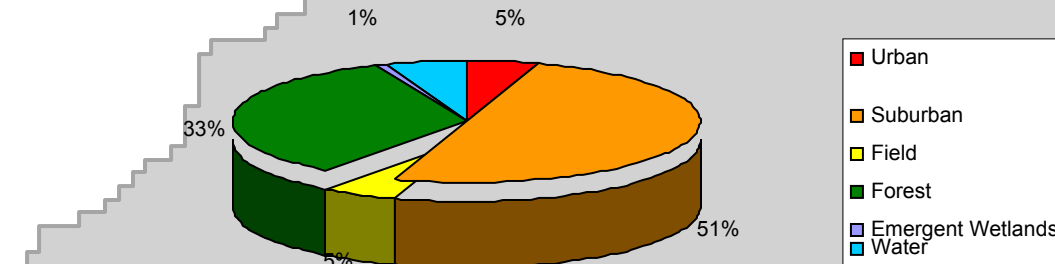
Major Landmark(s): Lake Forest, Coker Hills, Argonne Hills, and Green Hills Neighborhoods

17% Impervious

Contains 2 mi of 303(d) listed stream segments



## Landuse/ Land Cover



60% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.4 miles of streams

35 ac of 100 ft buffer

35% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

22% Deciduous, 11% Evergreen

0.7% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt, Triassic Basin

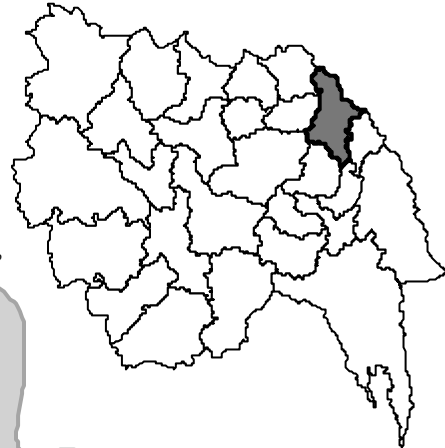
## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

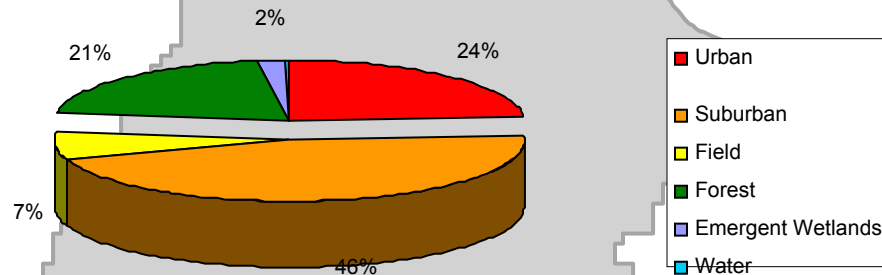
# Subwatershed BL10: Lower Booker Creek

## General Description

1.9 sq mi / 1,205 ac Rank Based on Size: 16  
 HUC-14: 03030002060100  
 Location: Chapel Hill  
 Major Landmark(s): Oxford Hills Recreation Area,  
 Eastgate Shopping Center  
 26% Impervious  
 Contains 2 mi of 303(d) listed stream segments



## Landuse/ Land Cover



77% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.8 miles of streams  
 69 ac of 100 ft buffer  
 45% of buffer disturbed  
 Major buffer disturbance: Suburban

## Habitat and Soils

14% Deciduous, 7% Evergreen  
 2.4% NWI Wetlands  
 7% Hydric soils  
 Major Hydric Series: Chewacla  
 Geologic Belt: Triassic Basin,  
 Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL11: Ephesus

## General Description

1.0 sq mi / 611 ac Rank Based on Size: 26

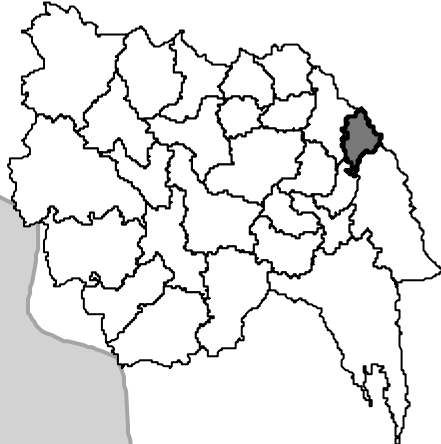
HUC-14: 03030002060100

Location: Chapel Hill (Orange/Durham Counties)

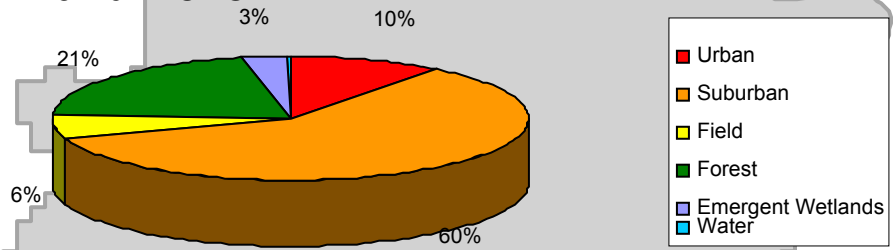
Major Landmark(s): Ephesus Park, Colony Woods and Briarcliff Neighborhoods

20% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



76% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

2.5 miles of streams

58 ac of 100 ft buffer

46% of buffer disturbed

Major buffer disturbance: **Suburban**

## Habitat and Soils

11% Deciduous, 10% Evergreen

2.8% NWI Wetlands

7% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**



Possible Solutions:

# Subwatershed BL12: Meadowmount

## General Description

0.8 sq mi / 543 ac Rank Based on Size: 27

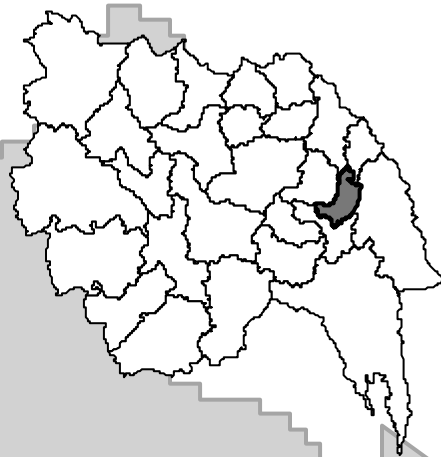
HUC-14: 03030002060100

Location: Chapel Hill

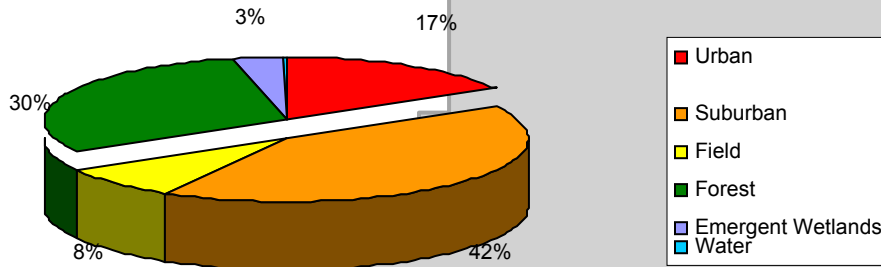
Major Landmark(s): Mason Farm, Meadowmount Mixed-Use Development

17% Impervious

Contains 0.79 mi of 303(d) listed stream segments



## Landuse/ Land Cover



67% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.0 miles of streams

46 ac of 100 ft buffer

48% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

20% Deciduous, 10% Evergreen

7.3% NWI Wetlands

15% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**



TETRA TECH, INC.

**To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL13: Little Creek Arm

## General Description

4.8 sq mi / 3,065 ac Rank Based on Size: 4

HUC-14: 03030002060100

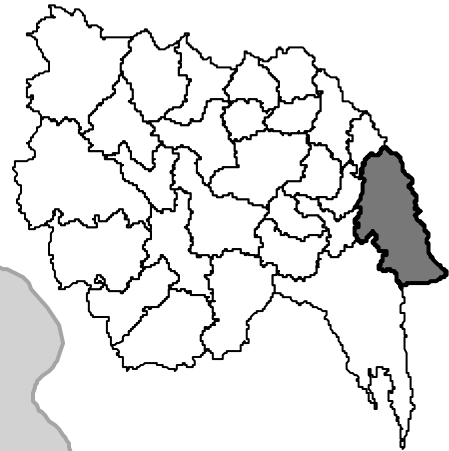
Location: Durham City and County, Orange County

Major Landmark(s):

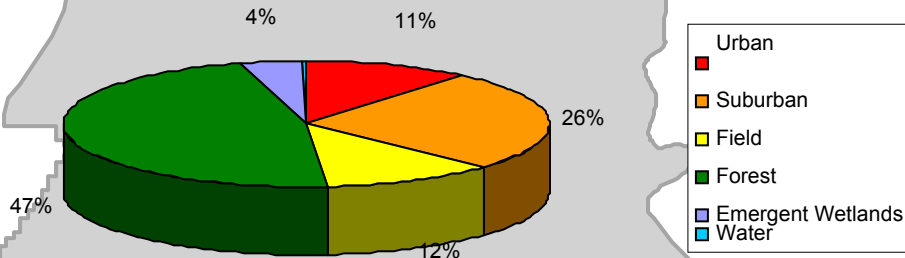
Jordan Lake State Park

7% Impervious

Contains 4.8 mi of 303(d) listed stream segments



## Landuse/ Land Cover



49% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

33.6 miles of streams

273 ac of 100 ft buffer

34% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

35% Deciduous, 12% Evergreen

20% NWI Wetlands

23% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin

## Water Quality Problems and Solutions



Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed LM1: Morgan - Carrboro

## General Description

3.7 sq mi / 2,364 ac Rank Based on Size: 6

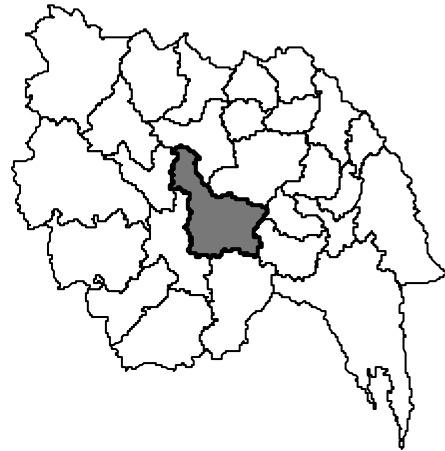
HUC-14: 03030002060080

Location: Orange County

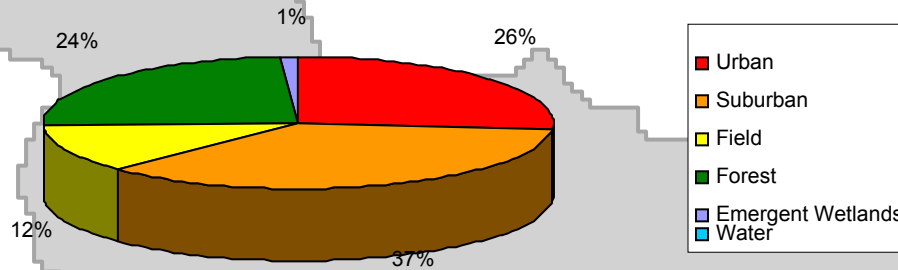
Major Landmark(s): Berryhill Rhodoendron Bluffs  
TLC Property, Culbreth Middle School

22% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



74% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

9.6 miles of streams

203 ac of 100-ft buffer

57% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

41% Deciduous, 10% Evergreen

<1% NWI Wetlands

2% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**



TETRA TECH, INC.

Possible Solutions:

# Subwatershed LM2: Wilson Creek

## General Description

3.6 sq mi / 2,297 ac Rank Based on Size: 8

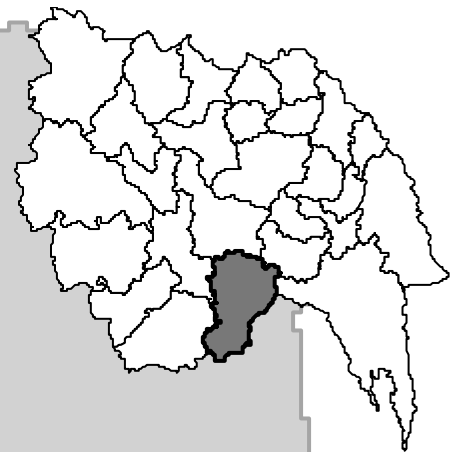
HUC-14: 03030002060080

Location: Orange County, Chatham County

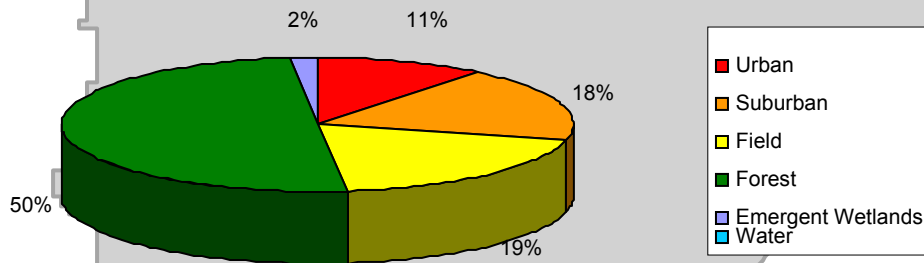
Major Landmark(s): Southern Village  
Southern Park Site (Future Chapel Hill Park)

6% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



48% Disturbed (Urban, Suburban, Field)

Major Disturbance: Field

## Streams and Riparian Buffers

8.9 miles of streams

172 ac of 100 ft buffer

37% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

19% Deciduous, 6% Evergreen

<1% NWI Wetlands

3% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

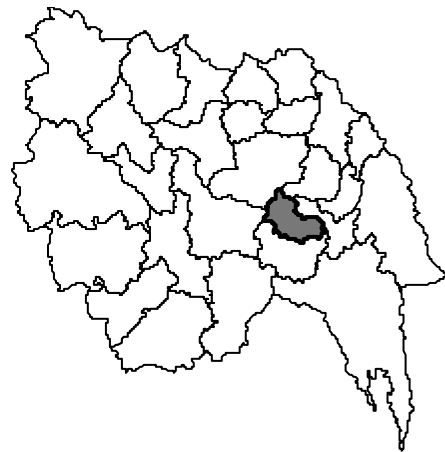


Problems: **To be addressed upon completion of the Detailed Assessment Report.**

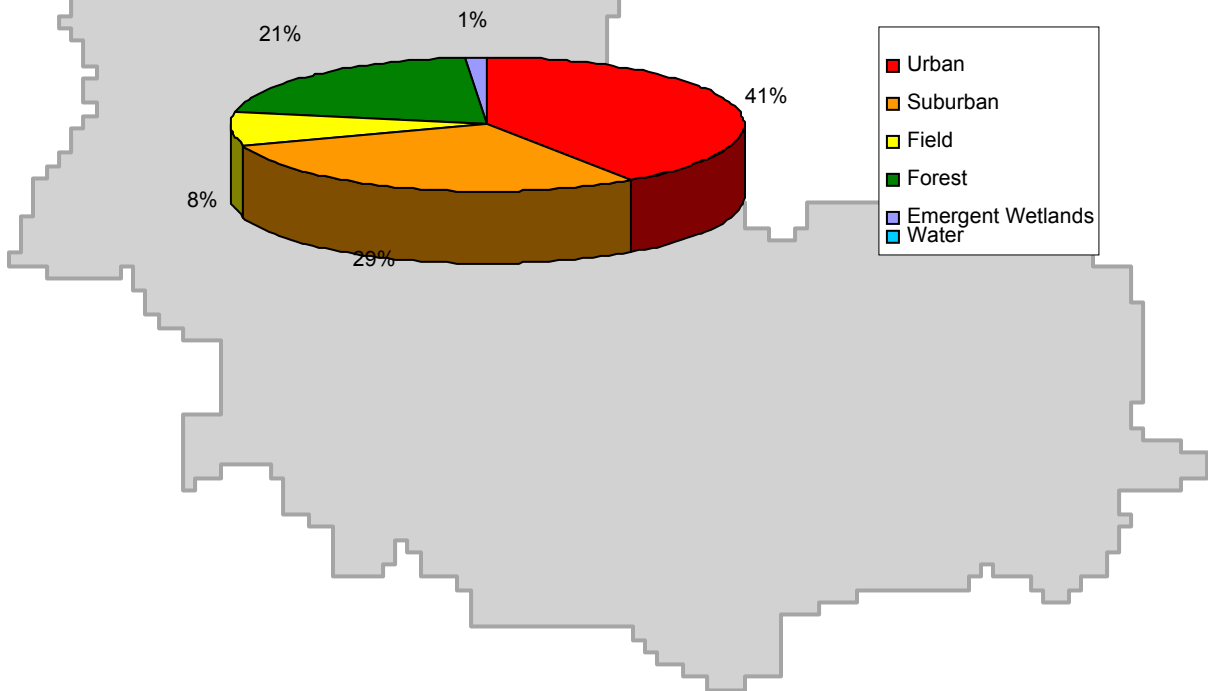
# Subwatershed LM3: Meeting of the Waters

## General Description

1.2 sq mi / 743 ac      Rank Based on Size: 22  
HUC-14: 03030002060080  
Location: Chapel Hill  
Major Landmark(s): UNC Memorial Hospital,  
Coker Pinetum, Totten Center  
30% Impervious  
Contains 1.5 mi of 303(d) listed stream segments



## Landuse/ Land Cover



42% of 100 ft buffer

42% of buffer disturbed

*Preliminary Findings Report*  
Major buffer disturbance: Suburban

2% Hydric soils

Major Hydric Series: Chewacla  
November 2003

Geologic Belt: Carolina Slate Belt,  
Triassic Basin

### Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

## Subwatershed LM4: Lower Morgan Creek

### General Description

1.9 sq mi / 1,187 ac Rank Based on Size: 17

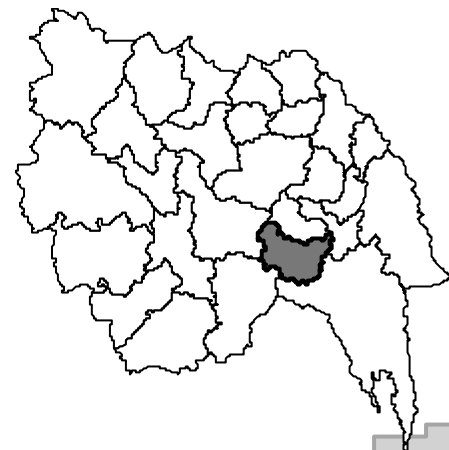
HUC-14: 03030002060080

Location: Chapel Hill and Orange County

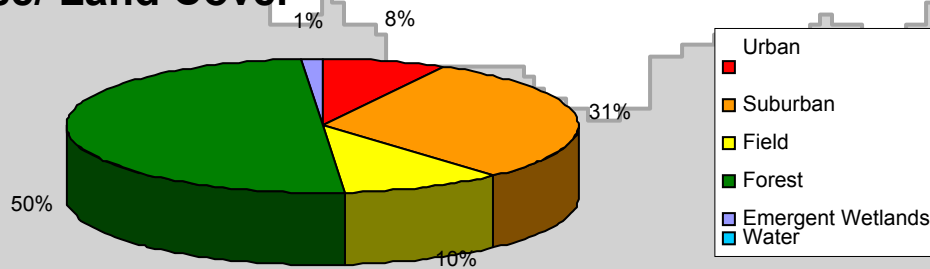
Major Landmark(s): Jones Park, Merritt Pasture,  
Botanical Gardens, Mason Farm

11% Impervious

Contains 0 mi of 303(d) listed stream segments



### Landuse/ Land Cover



49% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

### Streams and Riparian Buffers

4.6 miles of streams

101 ac of 100 ft buffer

30% of buffer disturbed

Major buffer disturbance: Suburban

### Habitat and Soils

40% Deciduous, 10% Evergreen

<1% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt,  
Triassic Basin

### **Water Quality Problems and Solutions**

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed LM5: Finley

## General Description

1.1 sq mi / 733 ac Rank Based on Size: 23

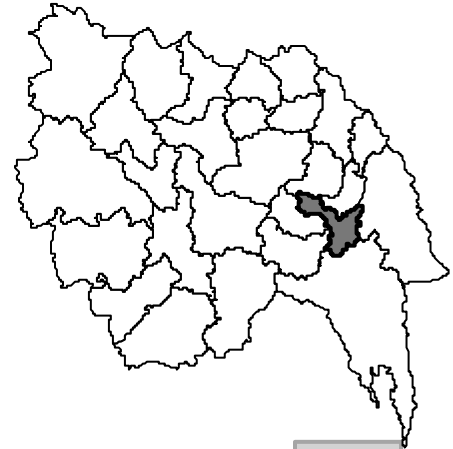
HUC-14: 03030002060080

Location: Chapel Hill and Orange County

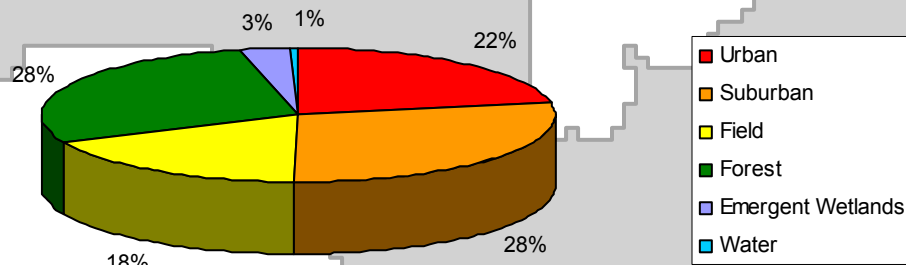
Major Landmark(s): Finley Golf Course,  
Mason Farm Biological Reserve

8% Impervious

Contains 0.9 mi of 303(d) listed stream segments



## Landuse/ Land Cover



68% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.6 miles of streams

71 ac of 100 ft buffer

62% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

21% Deciduous, 8% Evergreen

2.1% NWI Wetlands

10% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin,  
Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed LM6: Morgan Creek Arm

## General Description

8.0 sq mi / 5,093 ac Rank Based on Size: 1

HUC-14: 03030002060080

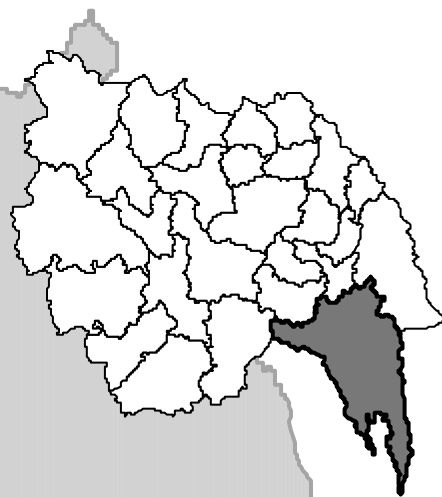
Location: Durham County, Orange County, Chatham County

Major Landmark(s):

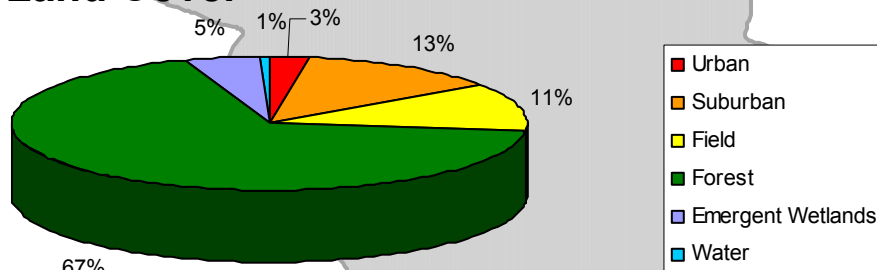
Jordan Lake State Park

Impervious Data Insufficient

Contains 41 mi of 303(d) listed stream segments



## Landuse/ Land Cover



27% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

51.6 miles of streams

395 ac of 100 ft buffer

20% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

49% Deciduous, 19% Evergreen

20.3% NWI Wetlands

33% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin, Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM1: Morgan Headwaters

## General Description

5.7 sq mi / 3,621 ac Rank Based on Size: 3

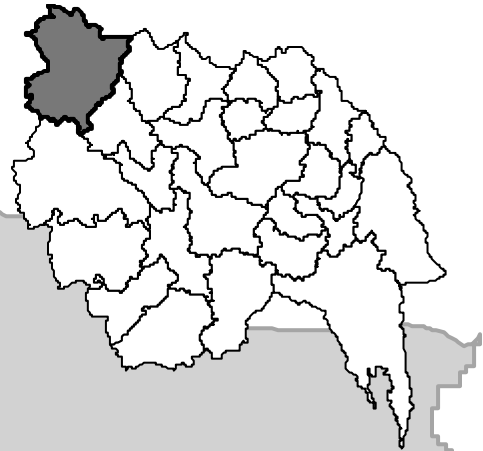
HUC-14: 03030002060070

Location: Orange County

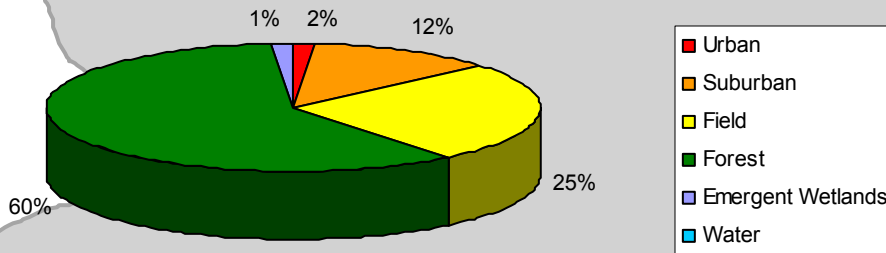
Major Landmark(s): Maple View Farm and Pickard's Mountain TLC Easements

2% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



39% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

19 miles of streams

393 ac of 100 ft buffer

32% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

53% Deciduous, 7% Evergreen

0.2% NWI Wetlands

4% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM2: Tilley's Branch

## General Description

2.6 sq mi / 1,644 ac Rank Based on Size: 12

HUC-14: 03030002060070

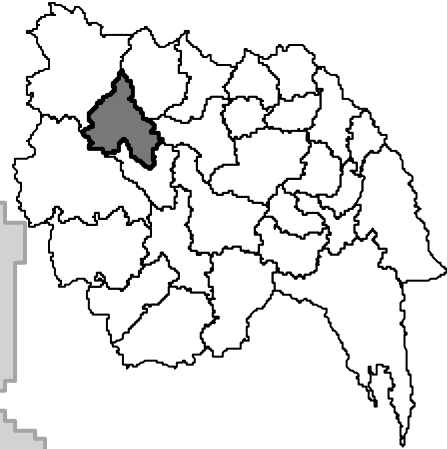
Location: Carrboro and Orange County

Major Landmark(s):

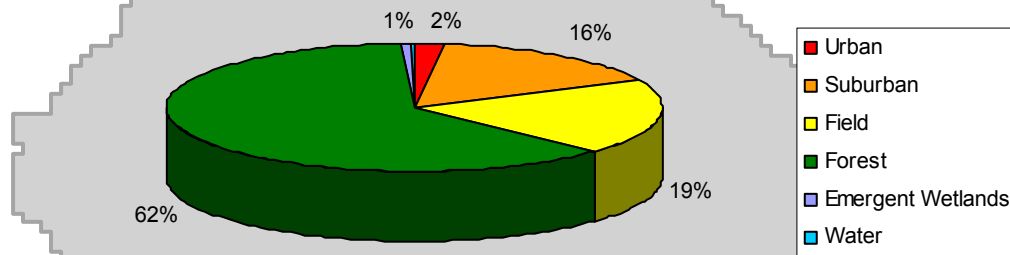
Tilley's Branch TLC Easement

3% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



37% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

8.7 miles of streams

168 ac of 100 ft buffer

20% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

54% Deciduous, 8% Evergreen

0.5% NWI Wetlands

6% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM3: Morgan Glen

## General Description

1.7 sq mi / 1,082 ac Rank Based on Size: 18

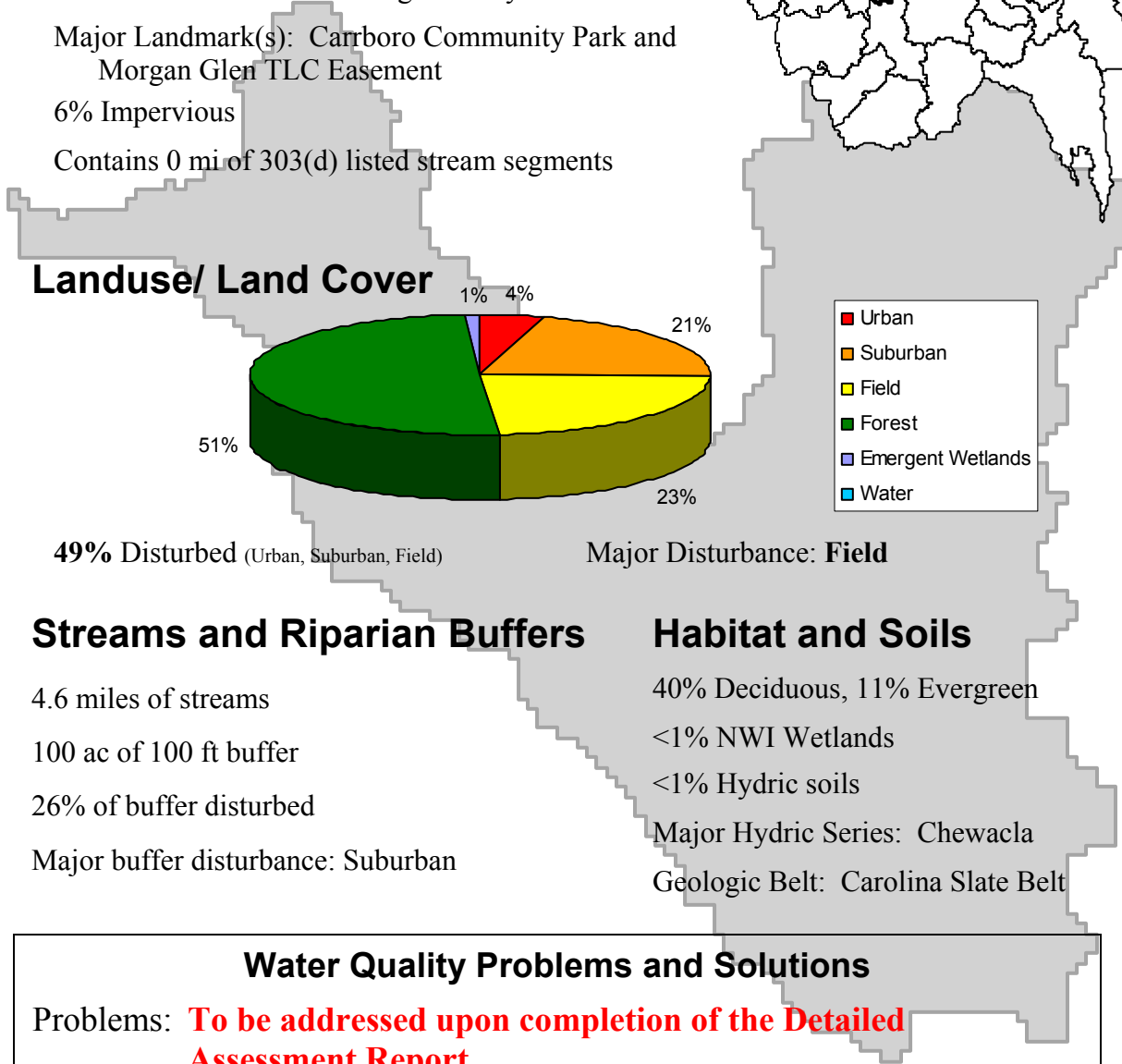
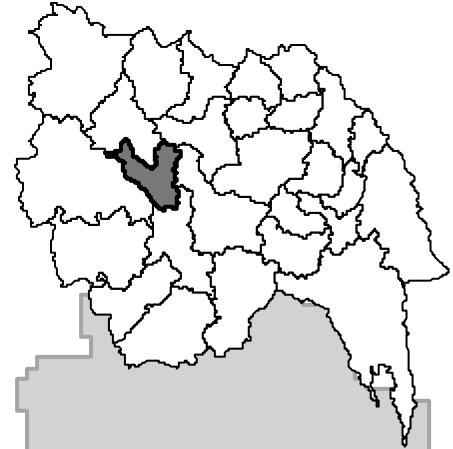
HUC-14: 03030002060070

Location: Carrboro and Orange County

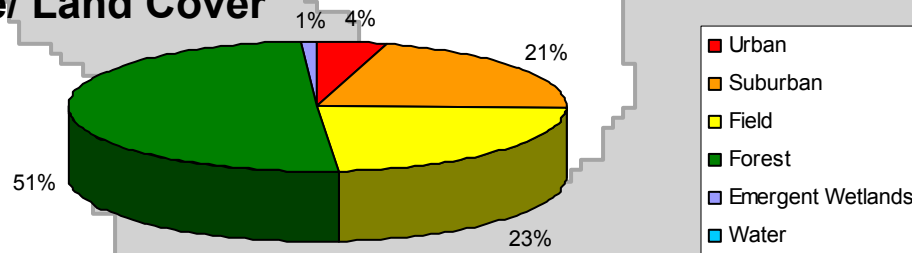
Major Landmark(s): Carrboro Community Park and Morgan Glen TLC Easement

6% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



49% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

4.6 miles of streams

100 ac of 100 ft buffer

26% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

40% Deciduous, 11% Evergreen

<1% NWI Wetlands

<1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM4: Phils Creek

## General Description

6.7 sq mi / 4,259 ac Rank Based on Size: 2

HUC-14: 03030002060070

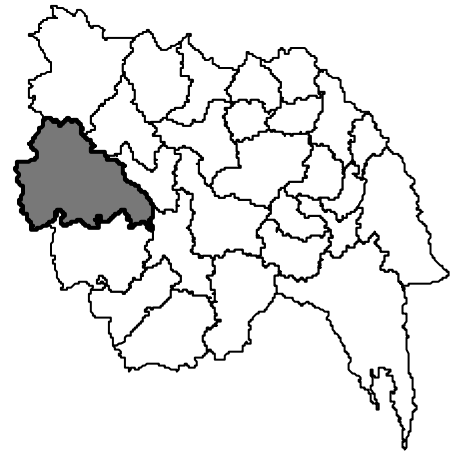
Location: Orange County

Major Landmark(s):

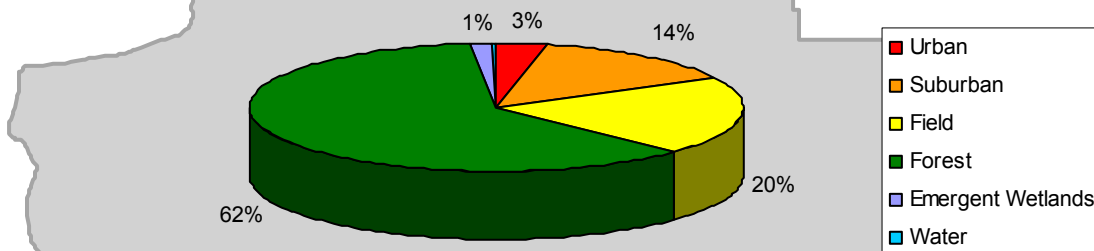
Shenandoah TLC Easement

2% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



37% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

21.9 miles of streams

468 ac of 100 ft buffer

22% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

50% Deciduous, 11% Evergreen

<1% NWI Wetlands

2% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM5: Neville Creek

## General Description

4.3 sq mi / 2,721 ac Rank Based on Size: 5

HUC-14: 03030002060070

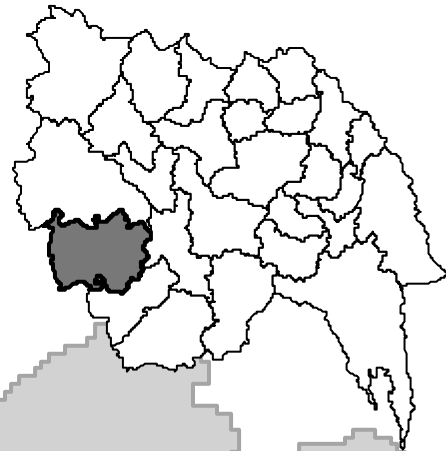
Location: Orange County

Major Landmark(s):

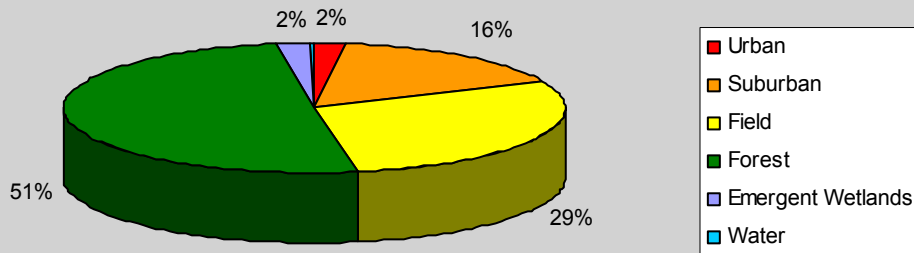
Quailview Recreation Area

3% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



47% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

14.8 miles of streams

296 ac of 100 ft buffer

35% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

40% Deciduous, 10% Evergreen

<1% NWI Wetlands

2% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM6: Pritchards Mill Creek

## General Description

2.5 sq mi / 1,587 ac Rank Based on Size: 13

HUC-14: 03030002060070

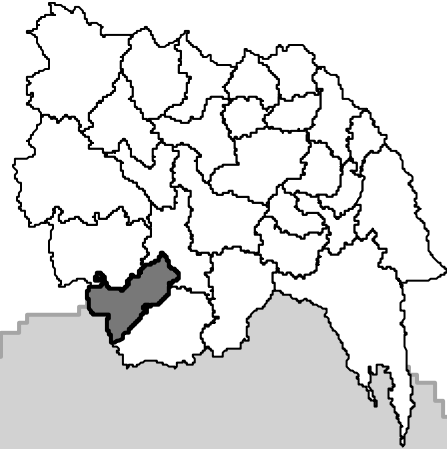
Location: Orange County, Chatham County

Major Landmark(s):

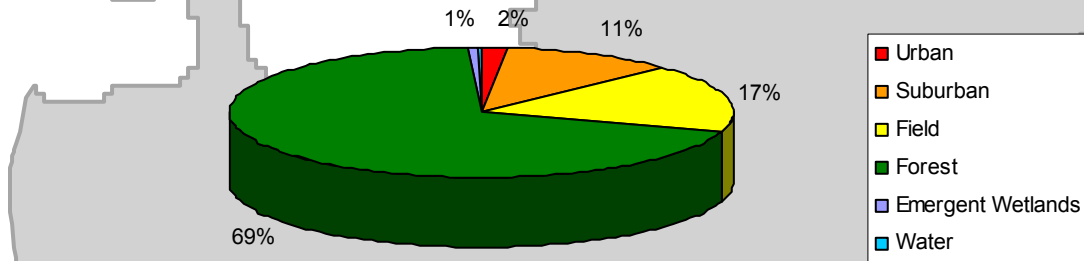
University Lake

2% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



30% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

7.1 miles of streams

149 ac of 100 ft buffer

22% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

62% Deciduous, 7% Evergreen

0.5% NWI Wetlands

4% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM7: Price Creek

## General Description

3.6 sq mi / 2,334 ac Rank Based on Size: 7

HUC-14: 03030002060070

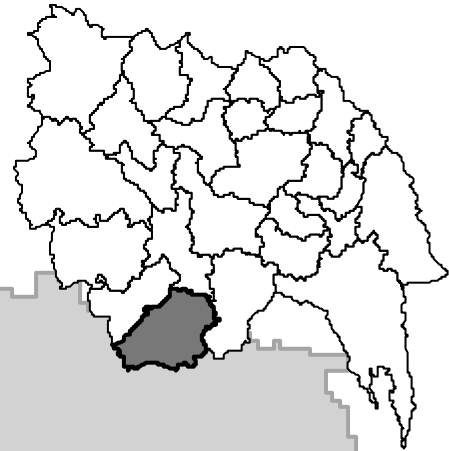
Location: Orange County, Chatham County

Major Landmark(s):

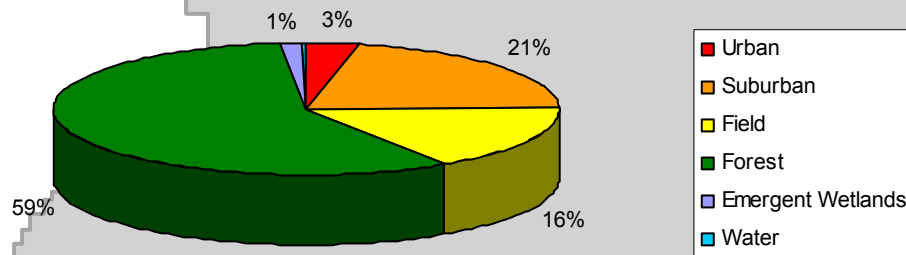
University Lake

4% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



41% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

9.5 miles of streams

177 ac of 100 ft buffer

30% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

51% Deciduous, 7% Evergreen

0.3% NWI Wetlands

3% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM8: University Lake

## General Description

2.7 sq mi / 1,754 ac Rank Based on Size: 11

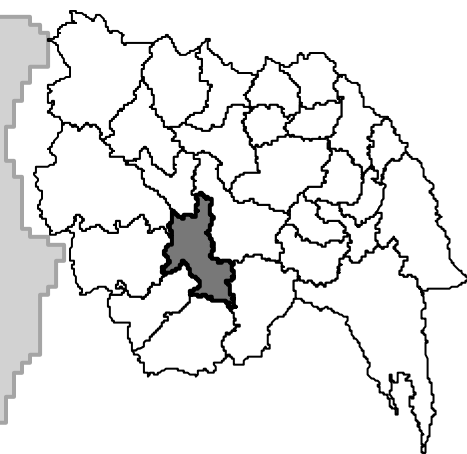
HUC-14: 03030002060070

Location: Orange County

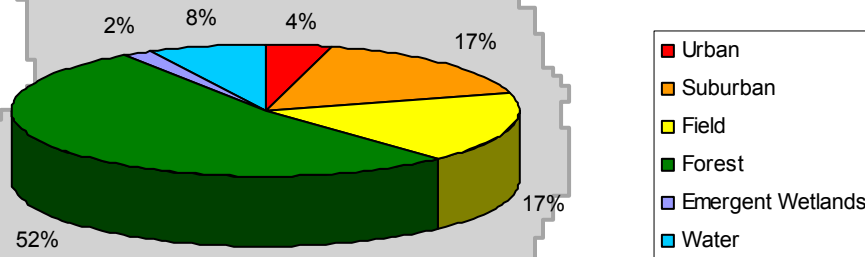
Major Landmark(s): University Lake,  
McCauley Mountain TLC Property

3% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



38% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

11.3 miles of streams

96 ac of 100 ft buffer

33% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

39% Deciduous, 14% Evergreen

0.9% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

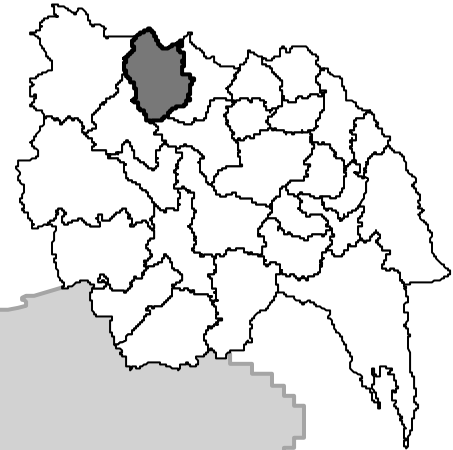
Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

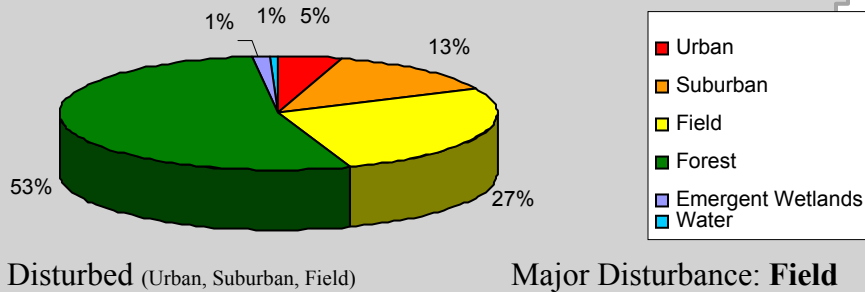
# Subwatershed BL1: Hogan Farm

## General Description

2.8 sq mi / 1,804 ac Rank Based on Size: 10  
 HUC-14: 03030002060100  
 Location: Carrboro and Orange County  
 Major Landmark(s):  
 Lloyd-Andrews Farm TLC Easement  
 4% Impervious  
 Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



## Streams and Riparian Buffers

4.6 miles of streams  
 113 ac of 100 ft buffer  
 30% of buffer disturbed  
 Major buffer disturbance: Field

## Habitat and Soils

47% Deciduous, 7% Evergreen  
 <1% NWI Wetlands  
 4% Hydric soils  
 Major Hydric Series: Chewacla  
 Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL2: Upper Bolin Creek

## General Description

2.0 sq mi / 1,274 ac Rank Based on Size: 15

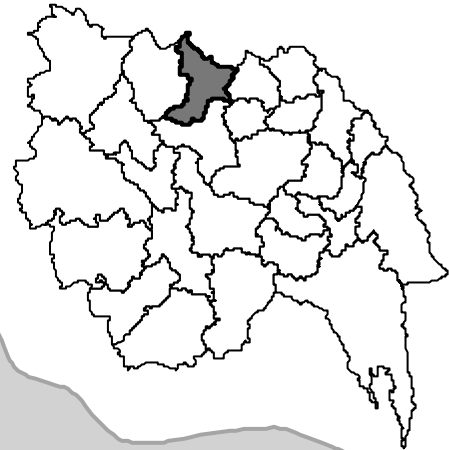
HUC-14: 03030002060100

Location: Carrboro and Orange County

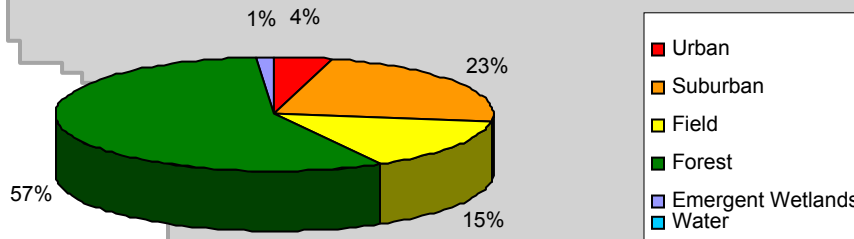
Major Landmark(s): Rogers Road Neighborhood,  
southern edge of Orange County Landfill

6% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



42% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.4 miles of streams

82 ac of 100 ft buffer

23% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

39% Deciduous, 18% Evergreen

<1% NWI Wetlands

3% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL3: Horace Williams

## General Description

2.4 sq mi / 1,504 ac Rank Based on Size: 14

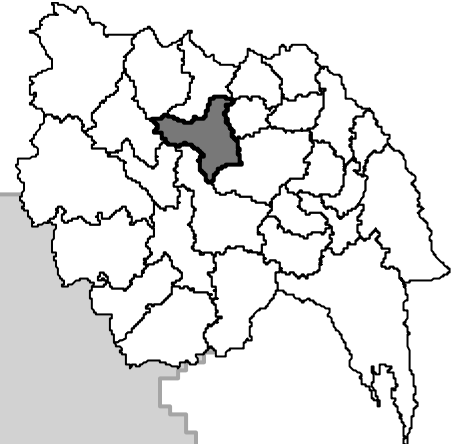
HUC-14: 03030002060100

Location: Carrboro and Orange County

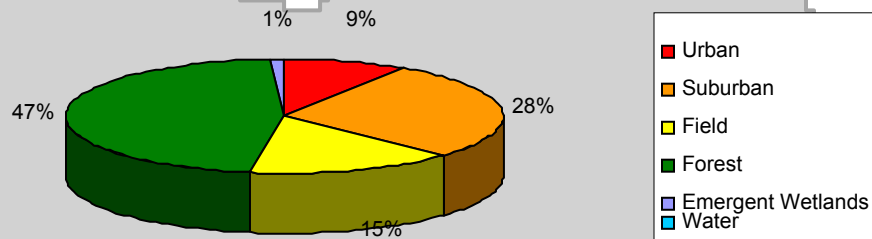
Major Landmark(s): Horace Williams Airport  
(future UNC development)

11% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



52% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

5.4 miles of streams

130 ac of 100 ft buffer

31% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

35% Deciduous, 12% Evergreen

<1% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL4: Middle Bolin Creek

## General Description

3.4 sq mi / 2,196 ac Rank Based on Size: 9

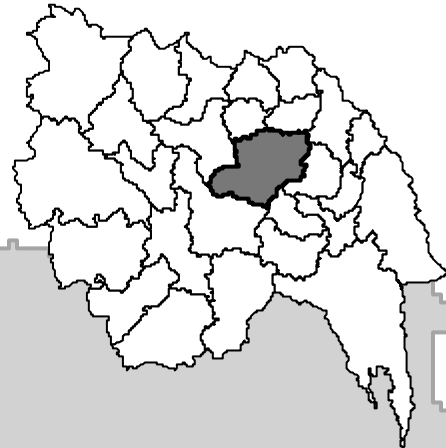
HUC-14: 03030002060100

Location: Downtown Chapel Hill and Carrboro

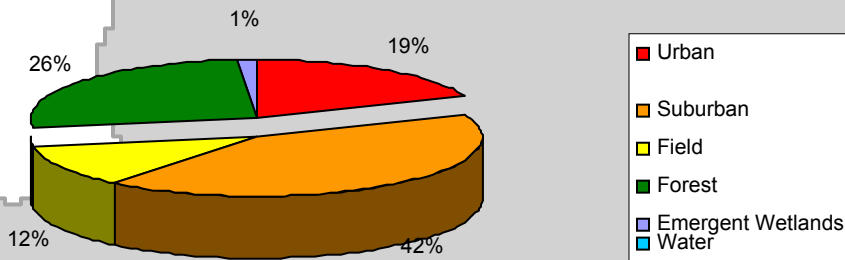
Major Landmark(s): UNC, Bolin Creek Greenway, Wilson, Baldwin, Umstead, and Hargraves Parks

25% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



72% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

6.4 miles of streams

154 ac of 100 ft buffer

53% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

18% Deciduous, 8% Evergreen

<1% NWI Wetlands

3% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL5: Lower Bolin Creek

## General Description

1.4 sq mi / 915 ac Rank Based on Size: 20

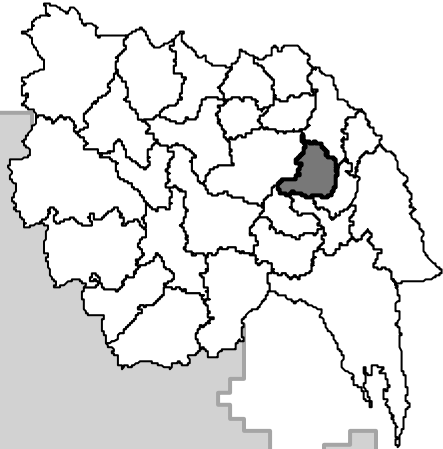
HUC-14: 03030002060100

Location: Chapel Hill

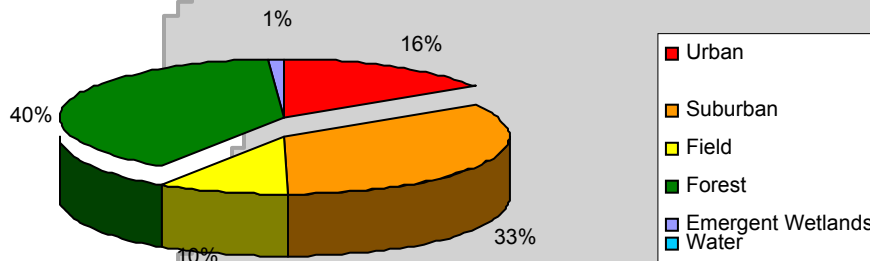
Major Landmark(s): Battle Park, Community Center Park, University Mall

23% Impervious

Contains 0.35 mi of 303(d) listed stream segments



## Landuse/ Land Cover



59% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

2.4 miles of streams

57 ac of 100 ft buffer

44% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

35% Deciduous, 5% Evergreen

0.9% NWI Wetlands

9% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin, Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL6: Booker Headwaters

## General Description

1.3 sq mi / 850 ac Rank Based on Size: 21

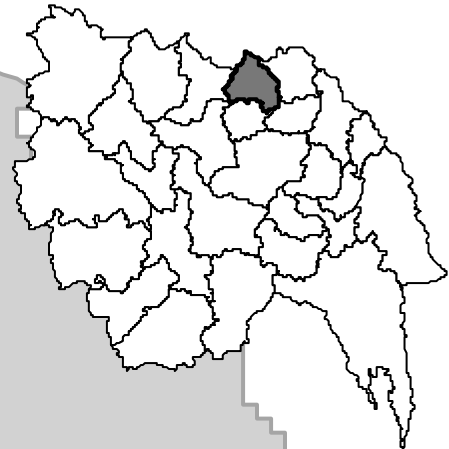
HUC-14: 03030002060100

Location: Chapel Hill and Orange County

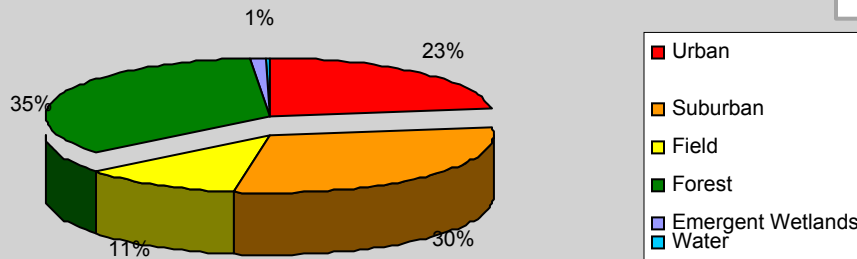
Major Landmark(s): Homestead Park, Timberlyne  
TLC Property

11% Impervious

Contains 2 mi of 303(d) listed stream segments



## Landuse/ Land Cover



64% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

2.0 miles of streams

48 ac of 100 ft buffer

59% of buffer disturbed

Major buffer disturbance: Urban

## Habitat and Soils

23% Deciduous, 12% Evergreen

<1% NWI Wetlands

2% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL7: Crow Branch

## General Description

1.0 sq mi / 654 ac Rank Based on Size: 25

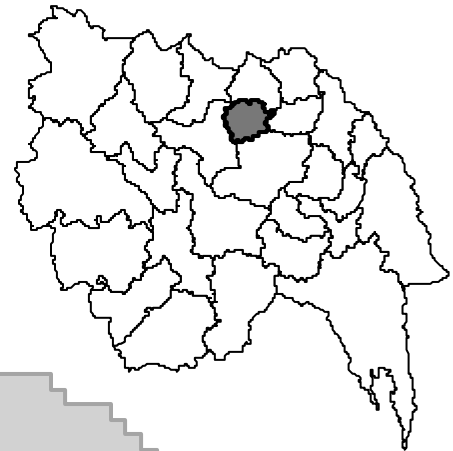
HUC-14: 03030002060100

Location: Chapel Hill

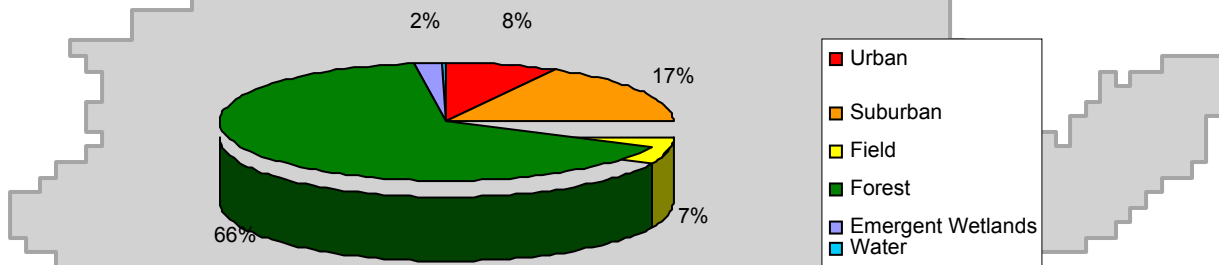
Major Landmark(s): Horace Williams Airport (future UNC development), UNC Old Sanitary Landfill

8% Impervious

Contains 0 mi of 303(d)-listed stream segments



## Landuse/ Land Cover



32% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

1.6 miles of streams

39 ac of 100 ft buffer

36% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

31% Deciduous, 35% Evergreen

0.5% NWI Wetlands

<1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

# Subwatershed BL8: Cedar Fork

## General Description

1.5 sq mi / 939 ac Rank Based on Size: 19

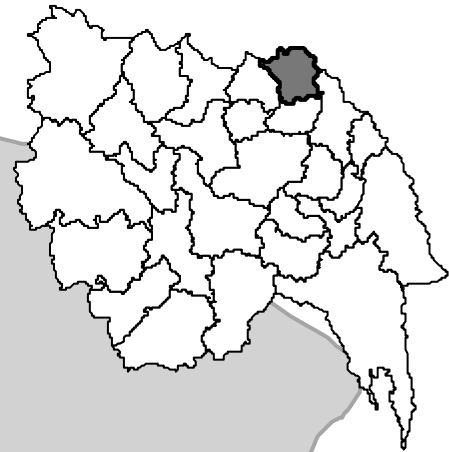
HUC-14: 03030002060100

Location: Chapel Hill and Orange County

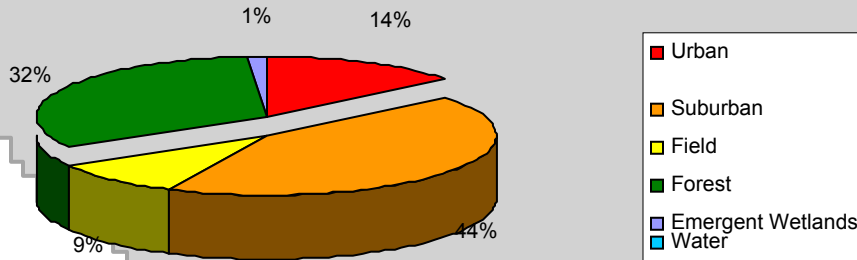
Major Landmark(s): North Forest Hills Park, Cedar Falls Park

17% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



66% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

3.1 miles of streams

75 ac of 100 ft buffer

49% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

24% Deciduous, 9% Evergreen

<1% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL9: Eastwood Lake

## General Description

1.1 sq mi / 705 ac Rank Based on Size: 24

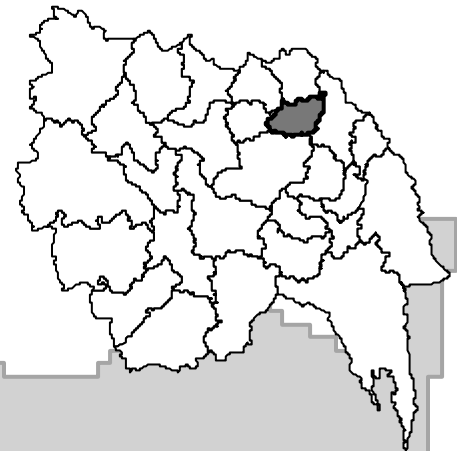
HUC-14: 03030002060100

Location: Chapel Hill

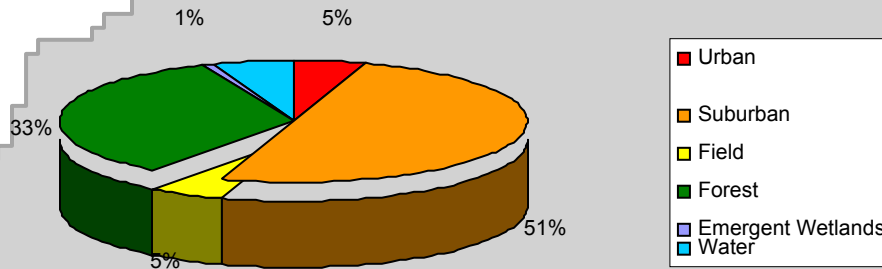
Major Landmark(s): Lake Forest, Coker Hills, Argonne Hills, and Green Hills Neighborhoods

17% Impervious

Contains 2 mi of 303(d) listed stream segments



## Landuse/ Land Cover



60% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

1.4 miles of streams

35 ac of 100 ft buffer

35% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

22% Deciduous, 11% Evergreen

0.7% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt, Triassic Basin

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**



Possible Solutions:

# Subwatershed BL10: Lower Booker Creek

## General Description

1.9 sq mi / 1,205 ac Rank Based on Size: 16

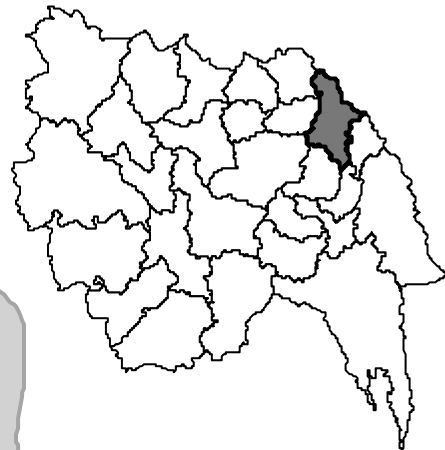
HUC-14: 03030002060100

Location: Chapel Hill

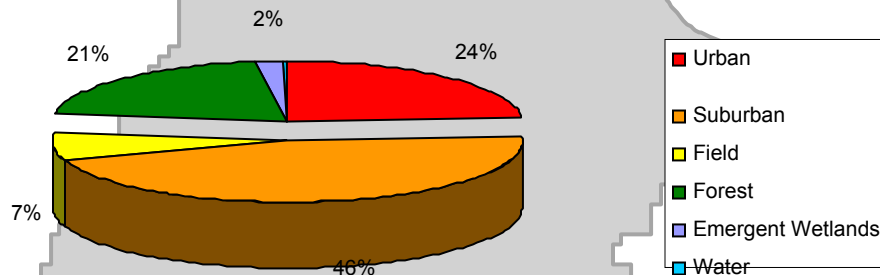
Major Landmark(s): Oxford Hills Recreation Area,  
Eastgate Shopping Center

26% Impervious

Contains 2 mi of 303(d) listed stream segments



## Landuse/ Land Cover



77% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

2.9 miles of streams

69 ac of 100 ft buffer

45% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

14% Deciduous, 7% Evergreen

2.4% NWI Wetlands

7% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin, Carolina Slate Belt

## Water Quality Problems and Solutions



Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed BL11: Ephesus

## General Description

1.0 sq mi / 611 ac Rank Based on Size: 26

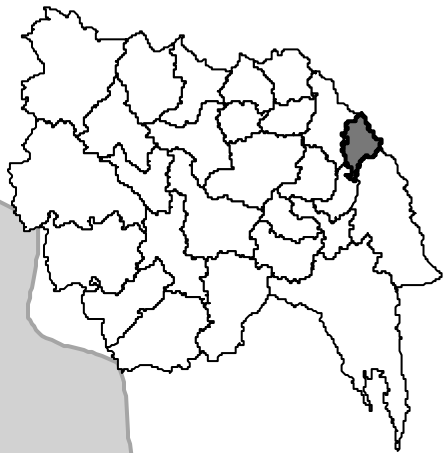
HUC-14: 03030002060100

Location: Chapel Hill (Orange/Durham Counties)

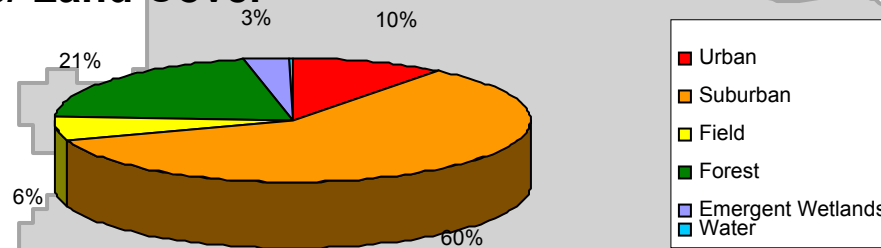
Major Landmark(s): Ephesus Park, Colony Woods and Briarcliff Neighborhoods

20% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



76% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

2.4 miles of streams

58 ac of 100 ft buffer

46% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

11% Deciduous, 10% Evergreen

2.8% NWI Wetlands

7% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin

## Water Quality Problems and Solutions

Problems

**To be addressed upon completion of the Detailed Assessment Report.**



Possible Solutions:

# Subwatershed BL12: Meadowmount

## General Description

0.8 sq mi / 543 ac Rank Based on Size: 27

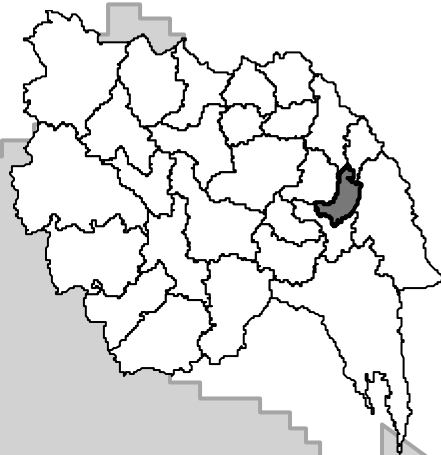
HUC-14: 03030002060100

Location: Chapel Hill

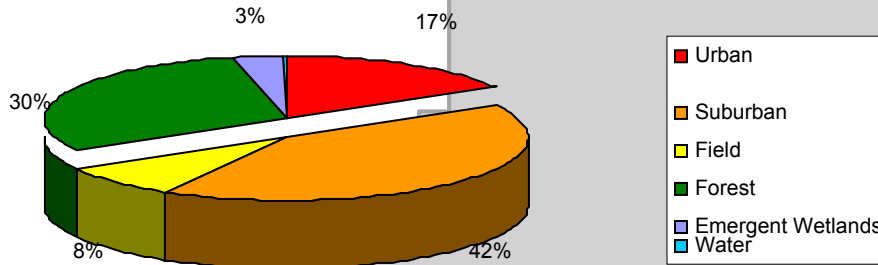
Major Landmark(s): Mason Farm, Meadowmount  
Mixed-Use Development

17% Impervious

Contains 0.79 mi of 303(d) listed stream segments



## Landuse/ Land Cover



67% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

2.0 miles of streams

46 ac of 100 ft buffer

48% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

20% Deciduous, 10% Evergreen

7.3% NWI Wetlands

15% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin

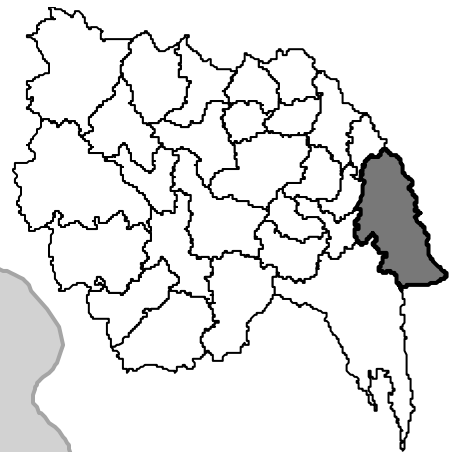
## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

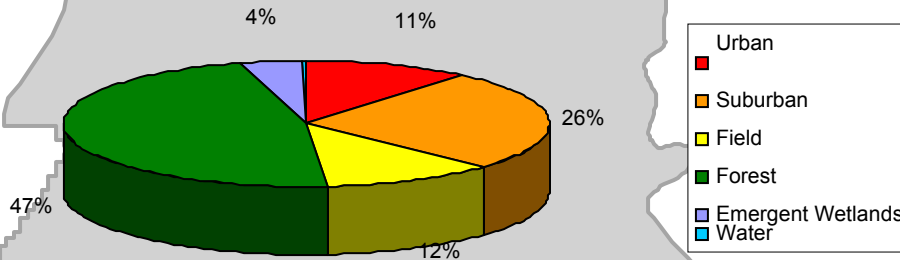
# Subwatershed BL13: Little Creek Arm

## General Description

4.8 sq mi / 3,065 ac Rank Based on Size: 4  
 HUC-14: 03030002060100  
 Location: Durham City and County, Orange County  
 Major Landmark(s):  
 Jordan Lake State Park  
 7% Impervious  
 Contains 4.8 mi of 303(d) listed stream segments



## Landuse/ Land Cover



49% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

4.6 miles of streams  
 273 ac of 100 ft buffer  
 34% of buffer disturbed  
 Major buffer disturbance: Suburban

## Habitat and Soils

35% Deciduous, 12% Evergreen  
 20% NWI Wetlands  
 23% Hydric soils  
 Major Hydric Series: Chewacla  
 Geologic Belt: Triassic Basin

## Water Quality Problems and Solutions



Problems: **To be addressed upon completion of the Detailed Assessment Report.**

# Subwatershed LM1: Morgan - Carrboro

## General Description

3.7 sq mi / 2,364 ac Rank Based on Size: 6

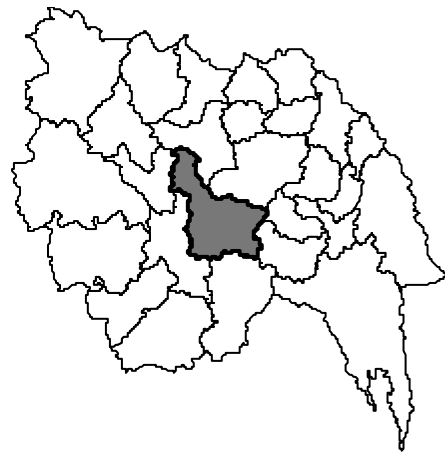
HUC-14: 03030002060080

Location: Orange County

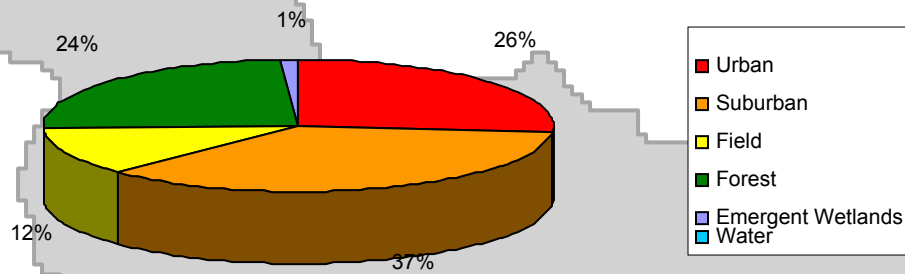
Major Landmark(s): Berryhill Rhodoendron Bluffs  
TLC Property, Culbreth Middle School

22% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



203 ac of 100 ft buffer

2% Hydric soils

57% of buffer disturbed

Major Hydric Series: Chewacla  
November 2003

~~Preliminary Findings Report~~  
~~Major buffer disturbance: Suburban~~

Geologic Belt: Carolina Slate Belt

### Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

## Subwatershed LM2: Wilson Creek

### General Description

3.6 sq mi / 2,297 ac Rank Based on Size: 8

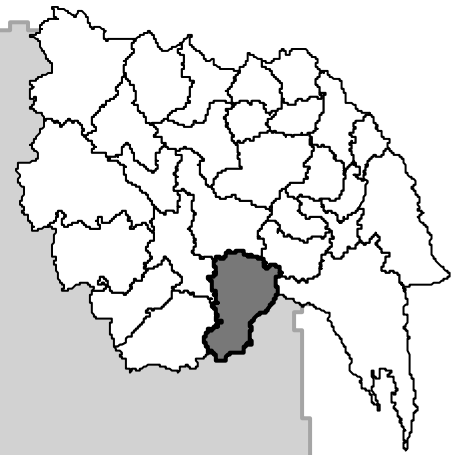
HUC-14: 03030002060080

Location: Orange County, Chatham County

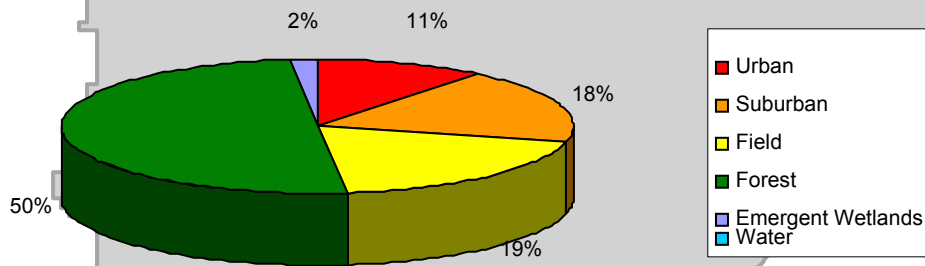
Major Landmark(s): Southern Village  
Southern Park Site (Future Chapel Hill Park)

6% Impervious

Contains 0 mi of 303(d) listed stream segments



### Landuse/ Land Cover



172 ac of 100 ft buffer  
37% of buffer disturbed  
*Preliminary Findings Report*  
Major buffer disturbance: Suburban

<1% NWI Wetlands  
3% Hydric soils  
Major Hydric Series: ~~Novato~~ ~~Chenoweth~~  
Geologic Belt: Carolina Slate Belt

**Water Quality Problems and Solutions**

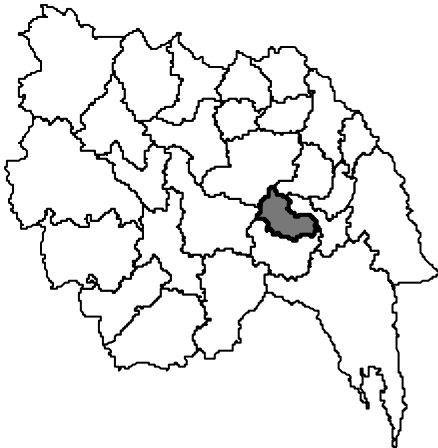
Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

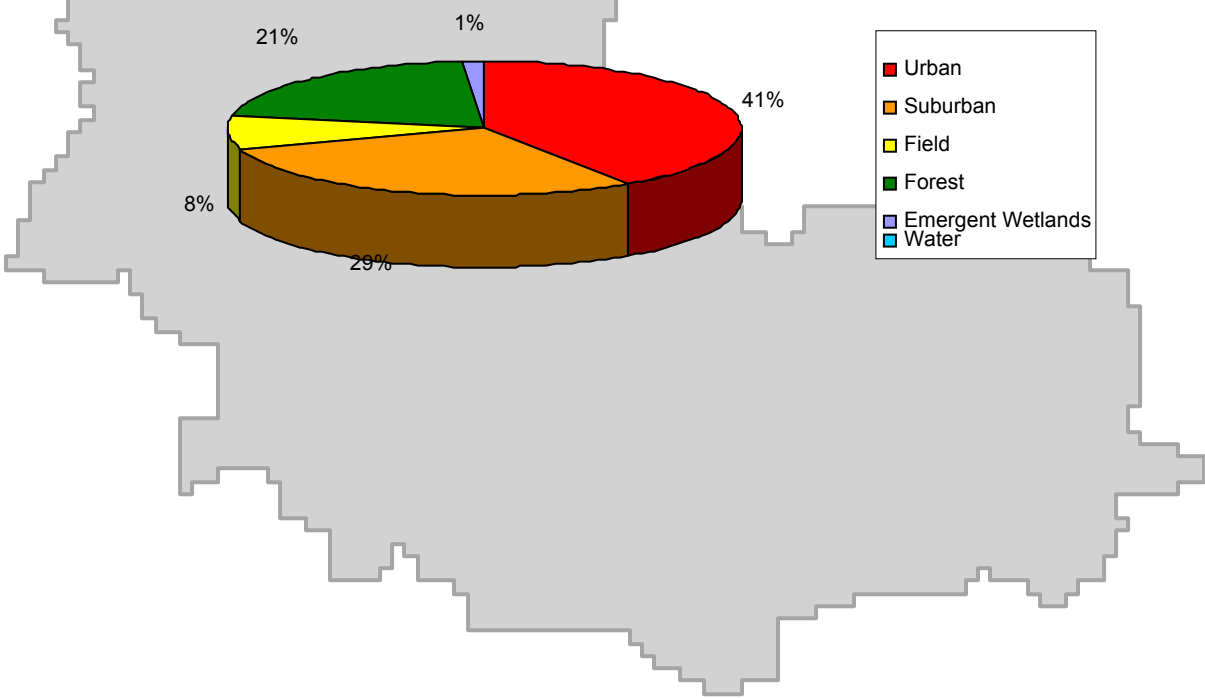
# Subwatershed LM3: Meeting of the Waters

## General Description

1.2 sq mi / 743 ac      Rank Based on Size: 22  
HUC-14: 03030002060080  
Location: Chapel Hill  
Major Landmark(s): UNC Memorial Hospital,  
Coker Pinetum, Totten Center  
30% Impervious  
Contains 1.5 mi of 303(d) listed stream segments



## Landuse/ Land Cover



42 ac of 100 ft buffer  
12% of buffer disturbed  
*Preliminary Findings Report*

<1% NWI Wetlands  
2% Hydric soils  
Major Hydric Series: Chewacla  
November 2003  
Geologic Belt: Carolina Slate Belt,  
Triassic Basin

Major buffer disturbance: Suburban

**Water Quality Problems and Solutions**

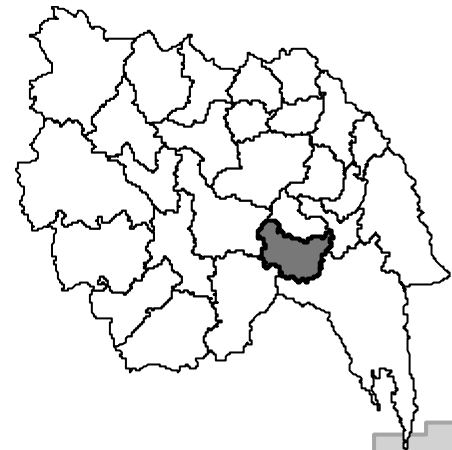
Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

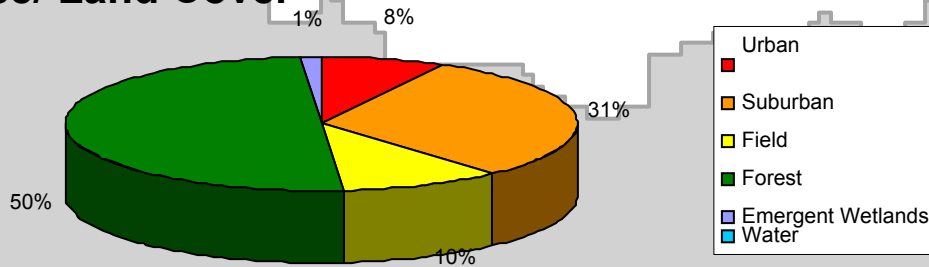
## Subwatershed LM4: Lower Morgan Creek

### General Description

1.9 sq mi / 1,187 ac Rank Based on Size: 17  
HUC-14: 03030002060080  
Location: Chapel Hill and Orange County  
Major Landmark(s): Jones Park, Merritt Pasture,  
Botanical Gardens, Mason Farm  
11% Impervious  
Contains 0 mi of 303(d) listed stream segments



### Landuse/ Land Cover



49% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

### Streams and Riparian Buffers

4.2 miles of streams  
101 ac of 100 ft buffer  
30% of buffer disturbed  
Major buffer disturbance: Suburban

### Habitat and Soils

40% Deciduous, 10% Evergreen  
<1% NWI Wetlands  
1% Hydric soils  
Major Hydric Series: Chewacla  
Geologic Belt: Carolina Slate Belt,  
Triassic Basin

### **Water Quality Problems and Solutions**

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed LM5: Finley

## General Description

1.1 sq mi / 733 ac Rank Based on Size: 23

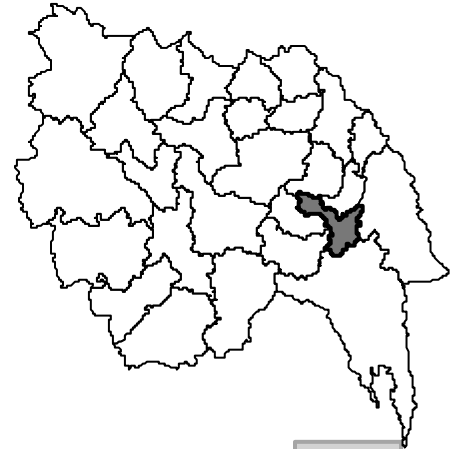
HUC-14: 03030002060080

Location: Chapel Hill and Orange County

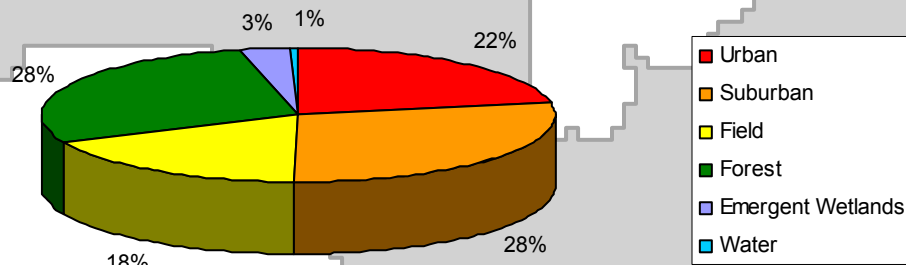
Major Landmark(s): Finley Golf Course,  
Mason Farm Biological Reserve

8% Impervious

Contains 0.9 mi of 303(d) listed stream segments



## Landuse/ Land Cover



68% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

2.9 miles of streams

71 ac of 100 ft buffer

62% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

21% Deciduous, 8% Evergreen

2.1% NWI Wetlands

10% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin,  
Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed LM6: Morgan Creek Arm

## General Description

8.0 sq mi / 5,093 ac Rank Based on Size: 1

HUC-14: 03030002060080

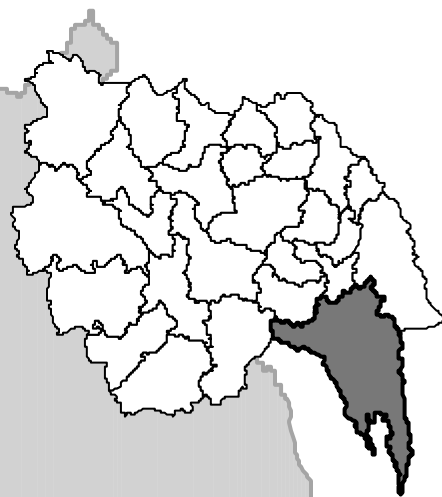
Location: Durham County, Orange County, Chatham County

Major Landmark(s):

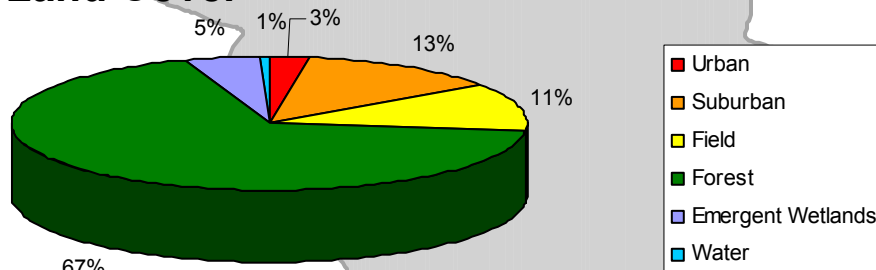
Jordan Lake State Park

Impervious Data Insufficient

Contains 41 mi of 303(d) listed stream segments



## Landuse/ Land Cover



27% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

5.6 miles of streams

395 ac of 100 ft buffer

20% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

49% Deciduous, 19% Evergreen

20.3% NWI Wetlands

33% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Triassic Basin, Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM1: Morgan Headwaters

## General Description

5.7 sq mi / 3,621 ac Rank Based on Size: 3

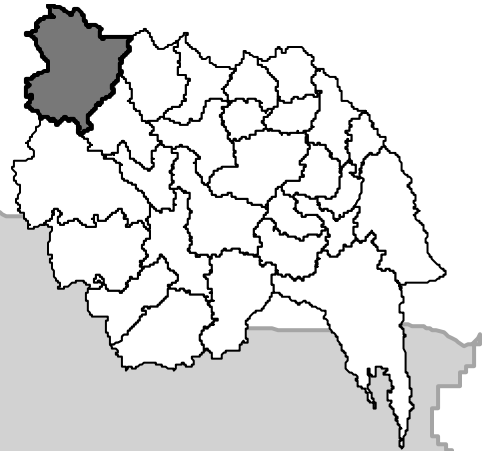
HUC-14: 03030002060070

Location: Orange County

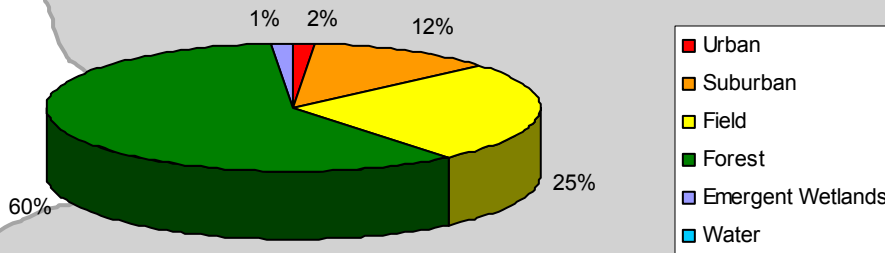
Major Landmark(s): Maple View Farm and Pickard's Mountain TLC Easements

2% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



39% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

16.3 miles of streams

393 ac of 100 ft buffer

32% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

53% Deciduous, 7% Evergreen

0.2% NWI Wetlands

4% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM2: Tilley's Branch

## General Description

2.6 sq mi / 1,644 ac Rank Based on Size: 12

HUC-14: 03030002060070

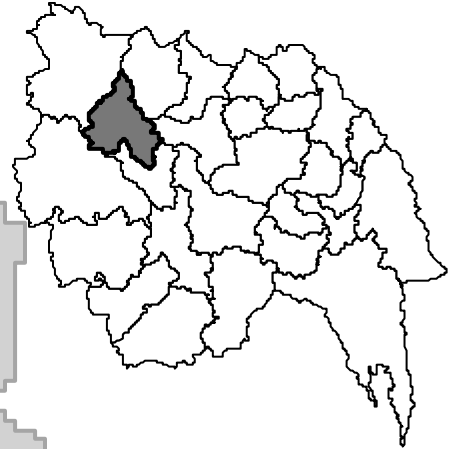
Location: Carrboro and Orange County

Major Landmark(s):

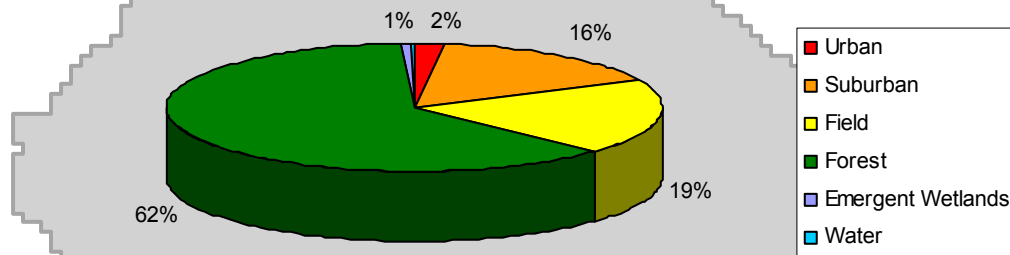
Tilley's Branch TLC Easement

3% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



37% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

7.0 miles of streams

168 ac of 100 ft buffer

20% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

54% Deciduous, 8% Evergreen

0.5% NWI Wetlands

6% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM3: Morgan Glen

## General Description

1.7 sq mi / 1,082 ac Rank Based on Size: 18

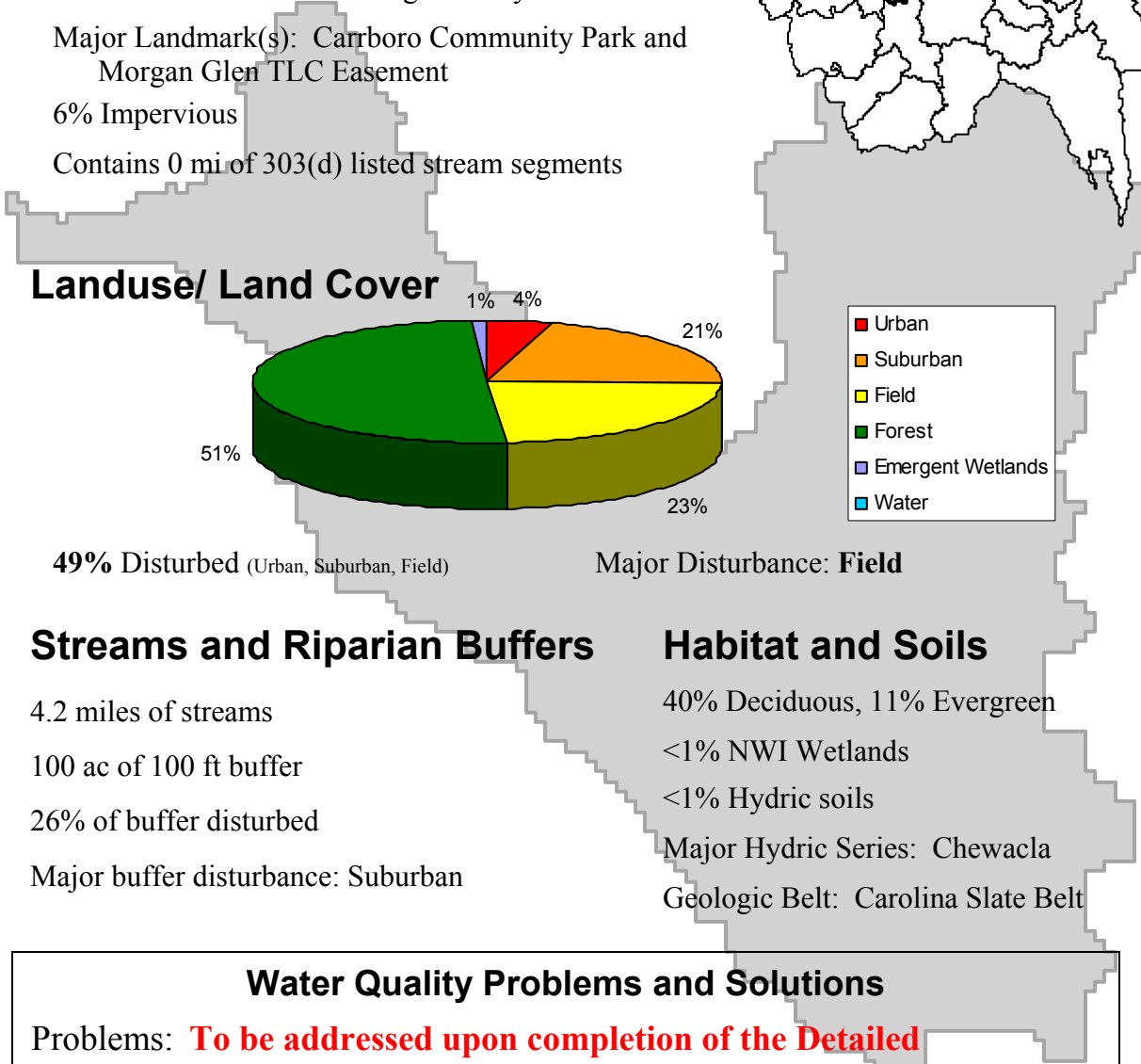
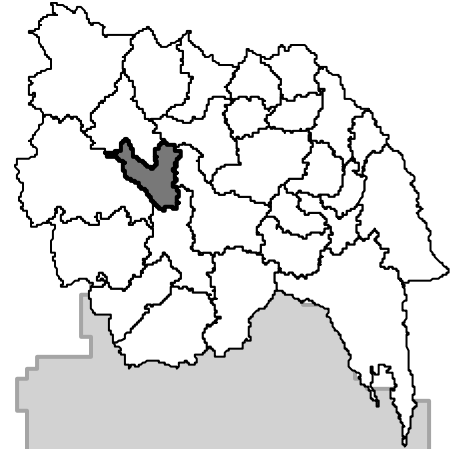
HUC-14: 03030002060070

Location: Carrboro and Orange County

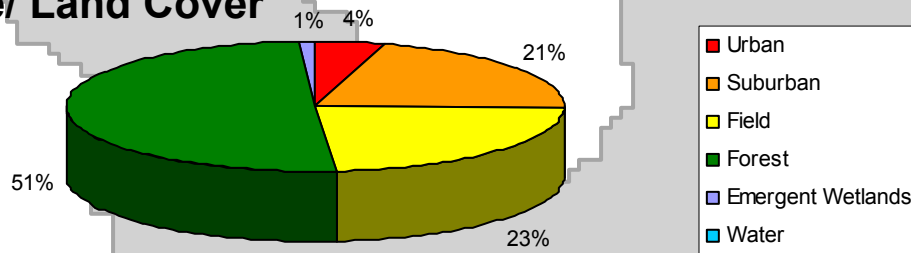
Major Landmark(s): Carrboro Community Park and Morgan Glen TLC Easement

6% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



49% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

4.2 miles of streams

100 ac of 100 ft buffer

26% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

40% Deciduous, 11% Evergreen

<1% NWI Wetlands

<1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM4: Phils Creek

## General Description

6.7 sq mi / 4,259 ac Rank Based on Size: 2

HUC-14: 03030002060070

Location: Orange County

Major Landmark(s):

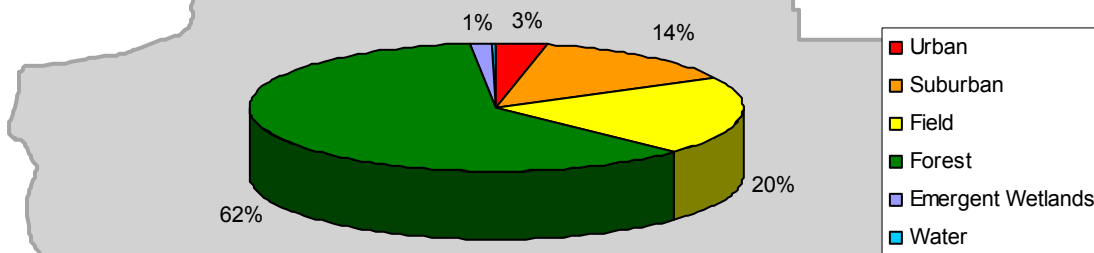
Shenandoah TLC Easement

2% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



37% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

19.5 miles of streams

468 ac of 100 ft buffer

22% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

50% Deciduous, 11% Evergreen

<1% NWI Wetlands

2% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM5: Neville Creek

## General Description

4.3 sq mi / 2,721 ac Rank Based on Size: 5

HUC-14: 03030002060070

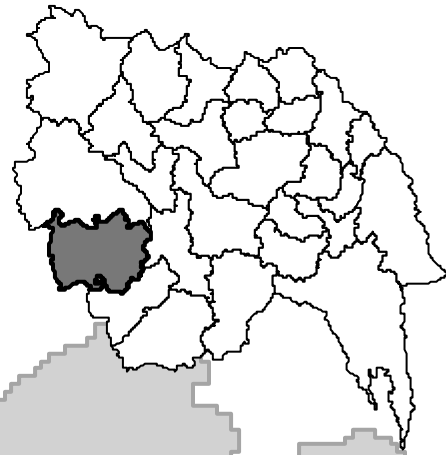
Location: Orange County

Major Landmark(s):

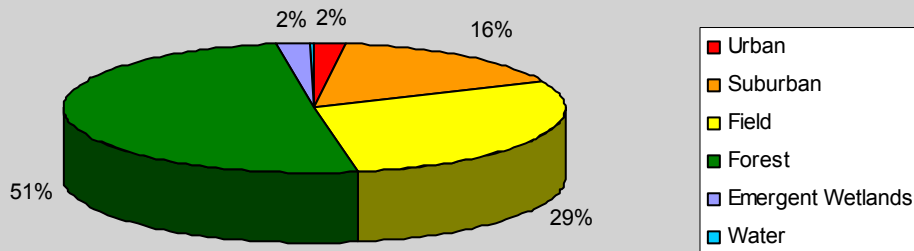
Quailview Recreation Area

3% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



47% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

12.2 miles of streams

296 ac of 100 ft buffer

35% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

40% Deciduous, 10% Evergreen

<1% NWI Wetlands

2% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM6: Pritchards Mill Creek

## General Description

2.5 sq mi / 1,587 ac Rank Based on Size: 13

HUC-14: 03030002060070

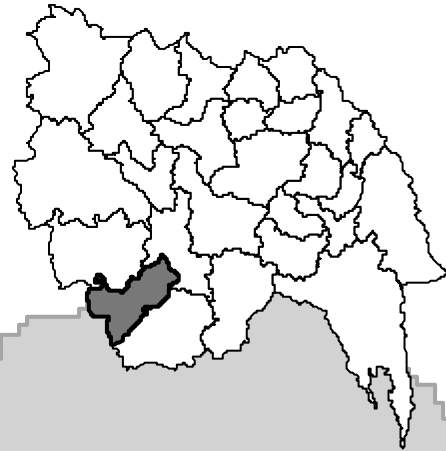
Location: Orange County, Chatham County

Major Landmark(s):

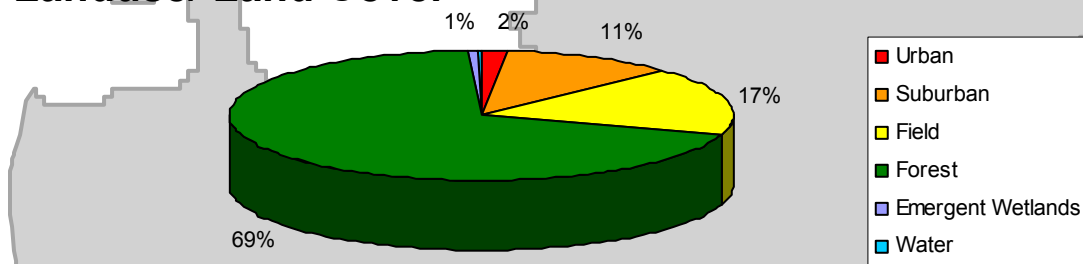
University Lake

2% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



30% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

6.1 miles of streams

149 ac of 100 ft buffer

22% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

62% Deciduous, 7% Evergreen

0.5% NWI Wetlands

4% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM7: Price Creek

## General Description

3.6 sq mi / 2,334 ac Rank Based on Size: 7

HUC-14: 03030002060070

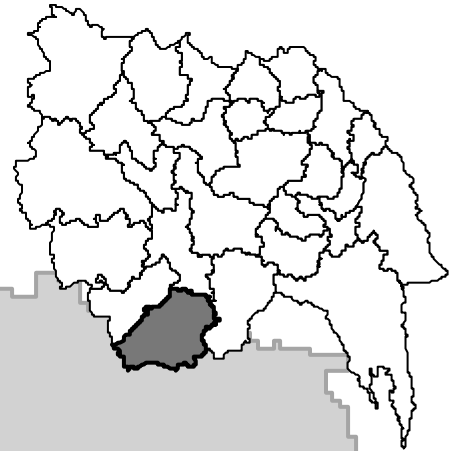
Location: Orange County, Chatham County

Major Landmark(s):

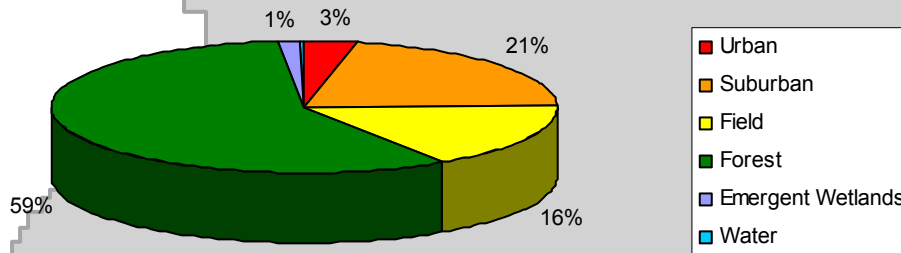
University Lake

4% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



41% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Suburban**

## Streams and Riparian Buffers

7.1 miles of streams

177 ac of 100 ft buffer

30% of buffer disturbed

Major buffer disturbance: Field

## Habitat and Soils

51% Deciduous, 7% Evergreen

0.3% NWI Wetlands

3% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

# Subwatershed UM8: University Lake

## General Description

2.7 sq mi / 1,754 ac Rank Based on Size: 11

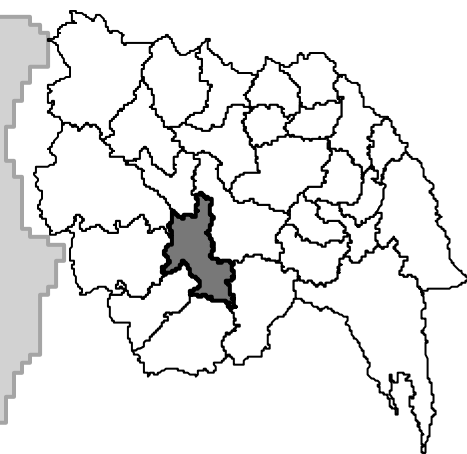
HUC-14: 03030002060070

Location: Orange County

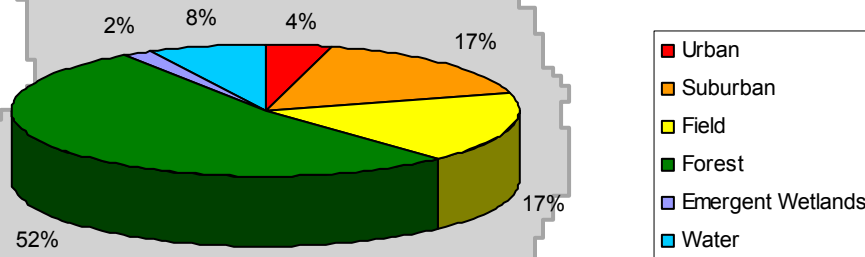
Major Landmark(s): University Lake,  
McCauley Mountain TLC Property

3% Impervious

Contains 0 mi of 303(d) listed stream segments



## Landuse/ Land Cover



38% Disturbed (Urban, Suburban, Field)

Major Disturbance: **Field**

## Streams and Riparian Buffers

3.8 miles of streams

96 ac of 100 ft buffer

33% of buffer disturbed

Major buffer disturbance: Suburban

## Habitat and Soils

39% Deciduous, 14% Evergreen

0.9% NWI Wetlands

1% Hydric soils

Major Hydric Series: Chewacla

Geologic Belt: Carolina Slate Belt

## Water Quality Problems and Solutions

Problems: **To be addressed upon completion of the Detailed Assessment Report.**

Possible Solutions:

## **Appendix C. Project Data Catalogs**

- **GIS Data Catalog**
- **Ecological Data Catalog**

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## GIS Data Catalog

| No. | File Name                      | Description  | Source           | Metadata Contact  |
|-----|--------------------------------|--|------------------|---|
| 1   | allzone.shp                    | Carrboro zoning; has zoning code attributes only and differs somewhat from zoning83.shp                      | Town of Carrboro | <a href="http://www.ci.carrboro.nc.us/GIS/default.htm">http://www.ci.carrboro.nc.us/GIS/default.htm</a>     |
| 2   | anop.shp                       | Point coverage of all registered Confined Animal Feeding Operations within North Carolina                    | BasinPro 2.1     | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a> |
| 3   | awqms.shp                      | Point locations for NC DWQ ambient water quality monitoring stations throughout North Carolina (2000 update) | BasinPro 2.1     | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a> |
| 4   | bldg.dxf (cad)                 | Carrboro building footprints as of 1998  | Town of Carrboro | <a href="http://www.ci.carrboro.nc.us/GIS/default.htm">http://www.ci.carrboro.nc.us/GIS/default.htm</a>     |
| 5   | bldg.shp                       | Polyline coverage of building outlines.  | Chatham County   | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                       |
| 6   | c2kblks.shp                    | Census 2000 blocks; created in-house by TJCOG; contains population, population density, households, etc.     | TJCOG            | Bob Bacon, Information Systems Manager  |
| 7   | carb_bldgfootprints_sp83m.shp  | Polygon coverage of Carrboro building footprints   | Town of Carrboro | Ruth Heaton, GIS Specialist   |
| 8   | carb_doublelineroads_sp83m.shp | Polygon coverage of Carrboro road surfaces   | Town of Carrboro | Ruth Heaton, GIS Specialist   |
| 9   | carb_driveways_sp83m.shp       | Polygon coverage of Carrboro driveway footprints   | Town of Carrboro | Ruth Heaton, GIS Specialist   |
| 10  | carb_new_bldings_sp83m.shp     | Polygon coverage of Carrboro new building footprints   | Town of Carrboro | Ruth Heaton, GIS Specialist   |
| 11  | carb_parkinglot_sp83m.shp      | Polygon coverage of Carrboro parking lot footprints  | Town of Carrboro | Ruth Heaton, GIS Specialist   |

| No. | File Name                    | Description   | Source              | Metadata Contact  |
|-----|------------------------------|---|---------------------|---|
| 14  | CHATBLDG.SHP                 | Chatham County building footprint polygons; not as up-to-date as the polyline file from the Chatham County GIS website; clipped to study area extent. | TJCOG               | Bob Bacon, Information Systems Manager  |
| 16  | chatham_zoning.shp           | Chatham County Zoning from May 2002   | KCI                 | Kimberly Burton, Environmental Scientist and GIS Analyst  |
| 17  | CHATPARC.SHP                 | Chatham County parcels in study area; current through May 2002.   | TJCOG               | Bob Bacon, Information Systems Manager  |
| 19  | chcaasewr.shp                | Chapel Hill and Carrboro sewer lines; current as of Aug 2002  | TJCOG               | Bob Bacon, Information Systems Manager  |
| 20  | chcawater.shp                | Chapel Hill and Carrboro water lines; current as of Aug 2002  | TJCOG               | Bob Bacon, Information Systems Manager  |
| 21  | chill_trnsp1_diss_sp83m.shp  | Polygon coverage of Chapel Hill Transportation Planimetrics   | Town of Chapel Hill | Deborah Squires   |
| 22  | county_shp.shp               | Chatham County boundaries   | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                       |
| 23  | dcms.shp                     | Point locations for discharger coalition water quality monitoring stations throughout North Carolina  | BasinPro 2.1        | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a> |
| 24  | Detailed_Geologic.sid        | Mr. SID image of the North Carolina Geologic Map  | NCCGIA              | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a> |
| 25  | drive.dfx (cad)              | Carrboro driveway footprints as of 1998   | Town of Carrboro    | <a href="http://www.ci.carrboro.nc.us/GIS/default.htm">http://www.ci.carrboro.nc.us/GIS/default.htm</a>     |
| 26  | durh_fema (ArcInfo Coverage) | FEMA Q3 coverage for Durham County  | NCSU Library        | <a href="http://www.lib.ncsu.edu/stacks/gis/">http://www.lib.ncsu.edu/stacks/gis/</a>                       |
| 29  | durham_planim_sp83m.shp      | Polygon coverage of Durham Planimetrics   | Durham - GIS        | <a href="http://www.ci.durham.nc.us/departments/gis/">http://www.ci.durham.nc.us/departments/gis/</a>       |
| 30  | DURHPARC.SHP                 | Durham County parcels clipped to study area; data current through November 2001   | TJCOG               | Bob Bacon, Information Systems Manager  |
| 31  | DURHZONE.SHP                 | Durham County zoning in study area as of Aug 2000   | TJCOG               | Bob Bacon, Information Systems Manager  |

| No. | File Name                 | Description  | Source              | Metadata Contact  |
|-----|---------------------------|--|---------------------|---|
| 32  | dwq_benthic_sites.shp     | WARP Benthic Community Monitoring Sites  | NC-DWQ              | Jim Blose, Supervisor   |
| 35  | final_wtshd.shp           | Chatham County watershed protection overlays   | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                       |
| 36  | Folder: Water System Misc | Coverages of Orange County water system components other than listed below   | OWASA               | Janet Jackson, GIS Coordinator  |
| 37  | hsds.shp                  | Uncontrolled or Unregulated Hazardous Waste Sites  | BasinPro 2.2        | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a> |
| 38  | hydric4_notnwi.shp        | Polygon coverage of hydric soils (Chewacla series) where NWI wetlands have not been indentified                                  | Tetra Tech - RTP    | Jason Doll, Project Manager   |
| 39  | hydro_line.shp            | Detailed hydrography lines for Chatham County; probably from USGS 1:24k DLGs   | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                       |
| 40  | hydro_poly.shp            | Detailed hydrography polygons for Chatham County, probably from USGS 1:24k DLGs  | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                       |
| 41  | hydroline.shp             | Carrboro hydrography lines   | Town of Carrboro    | <a href="http://www.ci.carrboro.nc.us/GIS/default.htm">http://www.ci.carrboro.nc.us/GIS/default.htm</a>     |
| 42  | hydropoly.shp             | Carrboro hydrography polygons  | Town of Carrboro    | <a href="http://www.ci.carrboro.nc.us/GIS/default.htm">http://www.ci.carrboro.nc.us/GIS/default.htm</a>     |
| 44  | limits.shp                | Town limits. None intersects extent of study area.   | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                       |
| 45  | little_lc_m2              | Grid coverage of land cover/ landuse developed by Sandra Maunz for her 2002 UNC Master's Thesis                                  | Town of Chapel Hill | Fred Royal, Stormwater Management Engineer  |
| 46  | m_bldg_sw_diss.shp        | Polygon coverage of impervious surfaces (1 of 3)   | Tetra Tech - RTP    | Jason Doll. Project Manager   |
| 47  | m_tgrrds_clip_buff_sw.shp | Polygon coverage of impervious surfaces (1 of 3) road coverage estimate for Orange county where planimetric data was unavailable | Tetra Tech - RTP    | Jason Doll, Project Manager   |
| 48  | m_trans_sw_diss.shp       | Polygon coverage of impervious surfaces (1 of 3)   | Tetra Tech - RTP    | Jason Doll, Project Manager   |

| No. | File Name  | Description   | Source           | Metadata Contact               |
|-----|--|---|------------------|--------------------------------|
| 49  | manholes83_0800_sp83m.shp                            | Point coverages of Orange County manholes   | OWASA            | Janet Jackson, GIS Coordinator |
| 51  | Morgan_buffer_100ft.shp                              | Polygon coverage 100 feet on each side of perennial and intermittent streams                    | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 52  | morgan_fcsc_basinpro.shp                             | NDWQ WARP Fish  | NC-DWQ           | Jim Blose, Supervisor          |
| 53  | morgan_femaq3_subwat2.shp                            | Polygon coverage of FEMA Q3 floodplain for Orange and Durham counties, clipped to study area    | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 54  | morgan_geobelts.shp                                  | Polygon coverage of geologic belts in study area  | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 55  | morgan_hy24-l_sp83ft.shp,<br>morgan_hy24-l_sp83m.shp | Line coverage of 1:24,000 scale DLG hydrography clipped to study area                           | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 56  | morgan_hy24-p_sp83m.shp                              | Polygon coverage of 1:24,000 scale DLG hydrography clipped to study area                        | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 57  | morgan_hydric_sp83m.shp                              | Polygon coverage of hydric soils (Chewacla series) from SSURGO data                             | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 58  | morgan_soils_wkf.shp                                 | Polygon coverage of SSURGO soils data with attributes including hydrologic groups and K-factors | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 59  | morgan_subwat_sp83m.shp,<br>morgan_subwat_sp83ft.shp | Polygon coverage of study area subwatersheds  | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 60  | morganshed.shp                                       | Merged watershed boundaries of study area.  | Tetra Tech - RTP | Jason Doll, Project Manager    |
| 61  | morganshed.shp,<br>morganshed_sp83ft.shp             | Polygon coverage of study area  | Tetra Tech - RTP | Jason Doll, Project Manager    |

| No. | File Name                     | Description   | Source                            | Metadata Contact  |
|-----|-------------------------------|---|-----------------------------------|---|
| 62  | morganshed_buff500m_sp83f.shp | Study area with 500 meter buffer in feet  | Tetra Tech - RTP                  | Jason Doll, Project Manager   |
| 63  | morganshed_buff500m_sp83m.shp | Study area with 500 meter buffer in meters  | Tetra Tech - RTP                  | Jason Doll, Project Manager   |
| 64  | ncdenr_benthic_sites.shp      | NCDENR Benthic Community Monitoring Sites   | BasinPro 2.1                      | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a>   |
| 65  | ncdenr_fish_sites.shp         | NCDENR Fish Sites   | BasinPro 2.1                      | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a>   |
| 66  | ned_morg (grid)               | DEM from National Elevation Dataset; county-wide DEMs merged, then clipped to 500 meter buffer of study area  | NCSU Spatial Lab                  | <a href="http://www.precisionag.ncsu.edu/scripts/links/index.php?viewCat=51">http://www.precisionag.ncsu.edu/scripts/links/index.php?viewCat=51</a> |
| 67  | npdes1.shp                    | Point locations of major NPDES permitted discharge locations throughout North Carolina  | BasinPro 2.1                      | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a>   |
| 68  | npdes2.shp                    | Point locations of minor NPDES permitted discharge locations throughout North Carolina  | BasinPro 2.1                      | <a href="http://www.cgia.state.nc.us/cgdb/datalist.html">http://www.cgia.state.nc.us/cgdb/datalist.html</a>   |
| 70  | nwi_sp83m.shp                 | Wetlands from National Wetlands Inventory; shapefile merged and reprojected from six 1:24k blocks.  | National Wetlands Inventory (NWI) | <a href="http://www.nwi.fws.gov">www.nwi.fws.gov</a>  |
| 71  | oc_bldgs_morgan_sp83m.shp     | Polygon coverage of Orange County Buildings   | Orange County                     | Patty Smith   |
| 72  | oc_index_morgan.shp           | Orange County index file for aerial photos and planimetrics; original ArcInfo coverage trimmed to study area extent and converted to shapefile; a few squares have erroneous labels | Orange County                     | Patty Smith   |
| 73  | oran_fema (ArcInfo Coverage)  | FEMA Q3 coverage for Orange County; Q3 <i>not produced for Chatham County</i>   | NCSU Library                      | <a href="http://www.lib.ncsu.edu/stacks/gis/">http://www.lib.ncsu.edu/stacks/gis/</a>   |
| 74  | ORANCOMP.SHP                  | Orange County Comprehensive Plan obtained by TJCOG October 1999   | TJCOG                             | Bob Bacon, Information Systems Manager  |

| No. | File Name                              | Description   | Source              | Metadata Contact  |
|-----|--|---|---------------------|---|
| 75  | Orange County Parcels (multiple files) | Orange County parcels; includes data dictionary, Arcinfo coverage with multiple annotation files, Arcview shapefile, additional data files; current through May 2002. | KCI                 | Kimberly Burton, Environmental Scientist and GIS Analyst              |
| 77  | orange_zoning.shp                      | Orange County Zoning from May 2002; excludes Carrboro or Chapel Hill Zoning   | KCI                 | Kimberly Burton, Environmental Scientist and GIS Analyst              |
| 78  | ORANPARC.SHP                           | Orange County parcels within study area; current through July 2002  | TJCOG               | Bob Bacon, Information Systems Manager                                |
| 79  | ORANPCON.SHP                           | Orange County Primary Conservation areas  | TJCOG               | Bob Bacon, Information Systems Manager                                |
| 81  | owasa_sewer.shp                        | Line coverages of Orange County sewer lines   | OWASA               | Janet Jackson, GIS Coordinator  |
| 82  | owasa_waterlines.shp                   | Line coverages of Orange County water lines   | OWASA               | Janet Jackson, GIS Coordinator  |
| 84  | parcels_03_19_03.shp                   | Polygon coverage of Chatham County parcels  | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a> |
| 86  | parline_03_19_03.shp                   | Polyline coverage of easement data.   | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a> |
| 87  | reach_buff_final.shp                   | Polygon coverage of 60 m rectangulars on each side of stream reaches  | Tetra Tech - RTP    | Jason Doll, Project Manager   |
| 89  | roads_shp.shp                          | Polylines of Chatham County roads   | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a> |
| 90  | Sales_History.xls                      | Excel file of recent real estate sales in Chatham County; keyed to parcel ID  | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a> |
| 91  | sample.shp                             | Monitoring sites emailed to Jason.  | Town of Chapel Hill | Fred Royal, Stormwater Management Engineer                            |
| 92  | sewer.shp                              | Chatham County sewer lines  | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a> |
| 93  | ss_pump_stations_sp83m.shp             | Point coverages of Orange County pump stations  | OWASA               | Janet Jackson, GIS Coordinator  |
| 94  | stations_fire.shp                      | Chatham County fire stations  | Chatham County      | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a> |

| No. | File Name                                      | Description  | Source                                   | Metadata Contact  |
|-----|--|--|--|---|
| 95  | stations_littleriver.shp                       | Point coverage of Little River Monitoring Stations   | Tetra Tech - RTP                         | Jason Doll, Project Manager   |
| 96  | tip_point.shp,<br>tipbreakdown_nad83ft.<br>shp | NCDOT Transportation Improvement Plan data   | KCI                                      | Kimberly Burton, Environmental Scientist and GIS Analyst  |
| 97  | tlic 2002.shp                                  | Lands protected by Triangle Land Conservancy either via ownership or conservation easement | Triangle Land Conservancy; Orange County | Doug Nicholas (TLC); Beth Young (Orange County)   |
| 98  | town_carrboro_benthid_sites.shp                | Carrboro Benthic Community Monitoring Sites  | Town of Carrboro                         | Ruth Heaton, GIS Specialist   |
| 99  | townofchapelhill_zoning.shp                    | Chapel Hill Zoning from May 2002   | KCI                                      | Kimberly Burton, Environmental Scientist and GIS Analyst  |
| 102 | voteprcnt_shp.shp                              | Chatham County voting precincts  | Chatham County                           | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                   |
| 103 | wsw.shp  | Chatham County water supply watersheds   | Chatham County                           | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                   |
| 104 | wtrlines.shp                                   | Chatham County water lines   | Chatham County                           | <a href="http://www.co.chatham.nc.us">http://www.co.chatham.nc.us</a>                                   |
| 105 | zoning.shp                                     | Durham County zoning; April 2002   | KCI                                      | Kimberly Burton, Environmental Scientist and GIS Analyst  |
| 106 | zoning83.shp                                   | Carrboro zoning; more attributes than allzone.shp and differs somewhat                     | Town of Carrboro                         | <a href="http://www.ci.carrboro.nc.us/GIS/default.htm">http://www.ci.carrboro.nc.us/GIS/default.htm</a> |

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## Ecological Data Catalog

| No. | File Name              | Description   | Years        | Source                                  | Metadata Contact  |
|-----|------------------------|---|--------------|---|---|
| 1   | ULprofile.xls          | Depth, Temperature, Specific Conductance, Conductivity, Salinity, DO%, DO Concentration, Pressure, pH, Chl a; 1 to 8 samples per month  | 1996 to 2001 | OWASA                                   | Rachel Monschien, Water Treatment Plant Chemist   |
| 2   | BurlingtonLabData.xls  | Alkalinity, Algal Taxonomic Count, NH <sub>3</sub> -N, Chl a, DO, FC, Hardness, NO <sub>2</sub> -NO <sub>3</sub> , pH, Ortho-P, TP, Secchi, TSS, Specific Conductance, Temperature, TKN, TOC; approximately monthly                                       | 1992 to 2001 | OWASA                                   | Rachel Monschien, Water Treatment Plant Chemist   |
| 3   | Creeks from Rachel.xls | Depth, Temp, Specific Conductance, Conductivity, Salinity, DO%, DO Concentration, Pressure, pH, Chl a; approximately monthly  | 1993 to 2001 | OWASA                                   | Rachel Monschien, Water Treatment Plant Chemist   |
| 4   | usgsdata.xls           | Temp, Specific Conductance, DO, pH, Total Alkalinity, NH <sub>3</sub> , TKN, NO <sub>2</sub> -NO <sub>3</sub> , TP, TOC, Total recoverable iron, Ortho P, Chl a, Total Hardness, TSS, Secchi, Chl a, Total Hardness, TSS, Secchi, 1 to 8 samples per year | 1959 to 1999 | USGS                                    | <a href="http://water.usgs.gov/nc/nwis">http://water.usgs.gov/nc/nwis</a>                                     |
| 5   | ULstationmaps.doc      | Maps of all USGS stations   |              | USGS                                    | <a href="http://water.usgs.gov/nc/nwis">http://water.usgs.gov/nc/nwis</a>                                     |
| 6   | RawWater.xls           | Source and amount of raw water pumped to treatment plant, daily   | 1990 to 2001 | OWASA                                   | Ed Holland, Director of Planning  |
| 7   | CHH20_ascollected.xls  | Water quality data for 13 sites, approximately monthly  | 1993 to 2002 | Chapel Hill/Carrboro Water Quality Data | Fred Royal, Stormwater Management Engineer  |
| 8   | B3900000.xls           | Water quality data for Morgan Creek near Farrington; frequency varies by parameter  | 1968 to 1998 | NCDENR-DWQ                              | <a href="http://www.esb.enr.state.nc.us/stations/ams.htm">http://www.esb.enr.state.nc.us/stations/ams.htm</a> |
| 9   | Doll20021107.xls       | Water quality data for Morgan Creek near Farrington; frequency varies by parameter  | 1999 to 2002 | NCDENR-DWQ                              | <a href="http://www.esb.enr.state.nc.us/stations/ams.htm">http://www.esb.enr.state.nc.us/stations/ams.htm</a> |
| 10  | Usgsflowdata.xls       | USGS Flow data for three stations; daily  | 1982 to 2001 | USGS                                    | <a href="http://water.usgs.gov/nc/nwis">http://water.usgs.gov/nc/nwis</a>                                     |
| 11  | Usgswqdata.xls         | USGS water quality data for Morgan Creek at White Cross (02097464); 2 to 6 samples per year   | 1999 to 2001 | USGS                                    | <a href="http://water.usgs.gov/nc/nwis">http://water.usgs.gov/nc/nwis</a>                                     |

|    |  |   |   |                                     |   |
|----|--|---|---|-------------------------------------|---|
| 12 | Usgsprov_flowdata.xls                                  | USGS Flow data for two stations; daily  | G464: 2001 to 2002<br>G517: Oct.-Nov., 2002 | USGS                                | <a href="http://water.usgs.gov/nc/nwis">http://water.usgs.gov/nc/nwis</a> |
| 13 | Little Creek_Water Column Grab Sample Data 18Nov02.xls | Water Quality Data for 16 sites in the Little Creek Watershed; frequency varies by site and parameter   | 2001 to 2002                                | NCDENR-DWQ                          | Jim Blose, Supervisor   |
| 14 | Datalogger2001 Tetrattech.xls                          | Continuous Water Quality Monitoring of Meeting of the Waters; monthly, April through September          | 2001  | UNC Environmental Health and Safety | Sharon Myers, Environmental Specialist                                    |
| 15 | Uncsurfacewaterdata_sharonM.mdb                        | UNC database of Water Quality Data (Lab Analysis); one sampling day in November                         | 2000  | UNC Environmental Health and Safety | Sharon Myers, Environmental Specialist                                    |
| 16 | LC Sed Chem Results.xls                                | Stream bed sediment samples in sandy and depositional areas of Little Creek; one sampling day in August | 2001  | NCDENR-DWQ                          | Jim Blose, Supervisor   |
| 17 | Datalogger2002.xls                                     | Continuous Water Quality Monitoring of Meeting of the Waters; monthly                                   | 2002  | UNC Environmental Health and Safety | Sharon Myers, Environmental Specialist                                    |