SECOND ANNUAL MONITORING REPORT – 2006 GROWING SEASON

Little Contentnea Creek Riparian Buffer Restoration – Phase 3
(EEP Contract: 005020)

December 2006

Submitted to:

Guy Pearce
North Carolina Ecosystem Enhancement Program
2728 Capital Blvd., Suite 1H 103
Raleigh, NC 27604

Submitted by:

Robert J. Goldstein and Associates, Inc.
1221 Corporation Pkwy., Suite 100
Raleigh, NC 27610

Submitted for:

Greene Environmental Services, LLC
90 Ham Produce Road
Snow Hill, NC 28580
(252) 747-8200

INTRODUCTION AND BACKGROUND

On 27 June 2005 the NC Ecosystem Enhancement Program awarded Greene Environmental Services a contract to restore 54.16 acres of riparian buffer along Little Contentnea Creek and its unnamed tributaries in southeastern Greene County, NC (Figure 1) (Phase 3). The project was a continuation of the successful Phase 1 and Phase 2 projects that restored a total of 87.1 acres of riparian buffers along unnamed tributaries to Little Contentnea Creek and Contentnea Creek. The Little Contentnea Creek Riparian Buffer Restoration Plan Phase 3 was implemented in 2005 with site preparation, the planting of 28,000 saplings of 11 species, and the establishment of 60 monitoring quadrats in 17 sampling units, as specified in the project's Mitigation Plan (GES, 2005) (Figure 2).

Woody stem density, diameter, and height measurements were recorded in October 2006 within each of the 60 100 square meter quadrats, as detailed in the Mitigation Plan. The monitoring results, management activities to date, and planned management activities are presented below.

RESULTS

During the October 2006 monitoring, 517 planted woody stems were recorded within the 60 quadrats, resulting in an average density of 349 planted woody stems per acre (Figure 2, Table 1). Additionally, a total of 5,111 native *volunteers* were recorded (3,533 *Acer rubrum* and 1,488 *Liquidambar styraciflua*) within the monitoring quadrats. When all recorded stems are combined (i.e. planted + *volunteer*) 5,628 live stems were observed (3,796 stems per acre average, all quadrats). Average densities for planted woody stems and all live woody stems both indicate that the project has exceeded the success criterion of 320 live woody stems per acre by nine percent and 1,186 percent, respectively.

Monitoring data for planted stems indicate that *Fraxinus pennsylvanica* is the most abundant tree species (42.0 percent relative density). *Platanus occidentalis* had the highest relative diameter (41.1 percent relative to all planted species). The average of relative diameter and relative density was calculated for planted species and is presented here as the importance value. Based on this calculation, *P. occidentalis* was the most important planted species in the project area with a value of 28.5. *P. occidentalis* was also the species with the greatest average height (2.12 meters). *F. pennsylvanica'a* importance value was the second-highest at 24.0 (Table 1).

Taxodium distichum was the third-most important planted tree (10.7). Other important species included *Quercus phellos* (8.6) and *Q. nigra* (7.9). Considered collectively, the oaks were second in importance (25.8).

MAINTENANCE (COMPLETED AND PLANNED) AND QUALITATIVE OBSERVATIONS

As reported in the First Annual Monitoring Report (GES, 2005), herbicide application performed early in 2005 to control weedy vegetation resulted in significant mortality among planted stems. Like observed in 2005, areas that had a moderately dense canopy of early sucessional vegetation (e.g. *Conyza canadensis* and *Eupatorium capillifolium*, 60-80 percent foliar cover) experienced a lower planted woody stem mortality. The herbaceous annual, biennial and short-lived perennial *pioneer* species appear to be maintaining soil moisture, which increases available water uptake by the planted individuals and reduces their evapotranspiration. Because planted species success quantitatively and qualitatively appears to be higher in areas with a moderately dense early sucessional herbaceous overstory, these areas will not be sprayed or cut in 2007.

Qualitative evaluation in late spring/early summer will identify locations with invasive, exotic woody species, including vines. Manual removal/control of the identified populations will involve machete and/or gasoline powered string trimmers, and, if necessary, very limited glycophosphate herbicide

(Roundup) application, using hand pump or backpack sprayers with nose cone-tipped nozzles. *L. styraciflua* and *A. negundo*, which are by far the dominant *volunteer* woody stems counted or observed, are both native to southeastern Greene County and will not be removed. No other native woody stems that have colonized the restoration site will be removed, unless it's a necessary and unavoidable part of exotic invasive woody stem removal/management.

Several planted woody stem high mortality *problem* areas were identified during the June 2006 qualitative evaluation, and the October 2006 monitoring. Most of these areas are very close to the mortality areas identified during the 2005 evaluation and monitoring. To offset the planted woody stem mortality in these areas, approximately 6,000 native bare root seedlings will be planted during January and/or February 2007. Additionally, because a more than one full growing season, including dozens of significant precipitation events, has passed since the 2005 herbicide application, soil fertility/chemistry may need to be addressed. Representative soil samples will be taken from the identified areas and sent to the NCSU soil laboratory for evaluation. Based on the results, nutrient/organic material application and/or planted species selection will be modified.

Browsing evidence was observed in a small number of monitoring units during 2006, but is much less common or threatening than in 2005. Threats to planted woody stem success from browsing will continue to be monitored, but the negative impact on stem success is expected continue to lessen as the trees age.

Table 1A. Importance Values for Planted Individuals - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC

Species	Total Live Stems	Total Dead	Average Height (cm)	Average Diameter (cm)	Relative Diameter (%)	Relative Density (%)	Importance Value (%)
Fraxinus americana	2	0	40.4	0.7	5.3	0.4	2.8
Fraxinus pennsylvanica	217	23	44.0	0.7	6.0	42.0	24.0
Liriodendron tulipifera	24	23	41.6	0.7	5.9	4.6	5.3
Platanus occidentalis	82	5	212.0	5.0	41.1	15.9	28.5
Quercus nigra	57	3	52.9	0.6	4.8	11.0	7.9
Quercus pagoda	2	0	57.7	0.7	5.3	0.4	2.8
Quercus phellos	69	8	41.9	0.5	3.9	13.3	8.6
Quercus rubra	9	0	61.6	0.7	5.4	1.7	3.6
Quercus spp.	7	13	60.1	0.5	4.4	1.4	2.9
Taxodium distichum	43	0	88.9	1.6	13.1	8.3	10.7
Nyssa bicolor	5	0	43.6	0.6	4.7	1.0	2.8
Total Planted	**517**	**75**					
Total Volunteers	**5111**						
Total Stems	**5628**						
Ave/Acre (planted)	**349**						
Ave/Acre (all)	**3796**						

Table 1B. Volunteer Woody Stems Summary - Little Contentnea Creek - Phase 3

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Species	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5	2.5	5	10	15	20	25	30	35	40	Total by Species
Acer rubrum	3482	51	0	0	0	0	0	0	0	0	0	0	0	0	3533
Alnus serrulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baccharis halimifolia	20	15	5	2	0	0	0	0	0	0	0	0	0	0	42
Carpinus caroliniana	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Cornus amomum	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Crataegus spp.	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Diospyros virginiana	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
Ligustrum sinensis	8	8	3	0	0	0	0	0	0	0	0	0	0	0	19
Lindera benzoin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liquidambar styraciflua	1197	252	28	10	0	0	1	0	0	0	0	0	0	0	1488
Myrica cerifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinus spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quercus micheauxii	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Quercus nigra	3	7	0	0	0	0	0	0	0	0	0	0	0	0	10
Rhus copallinum	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Salix sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Vitus spp.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total by Size Class	4724	337	37	12	0	0	1	0	0	0	0	0	0	0	5111
Total Volunteers	**5111**														

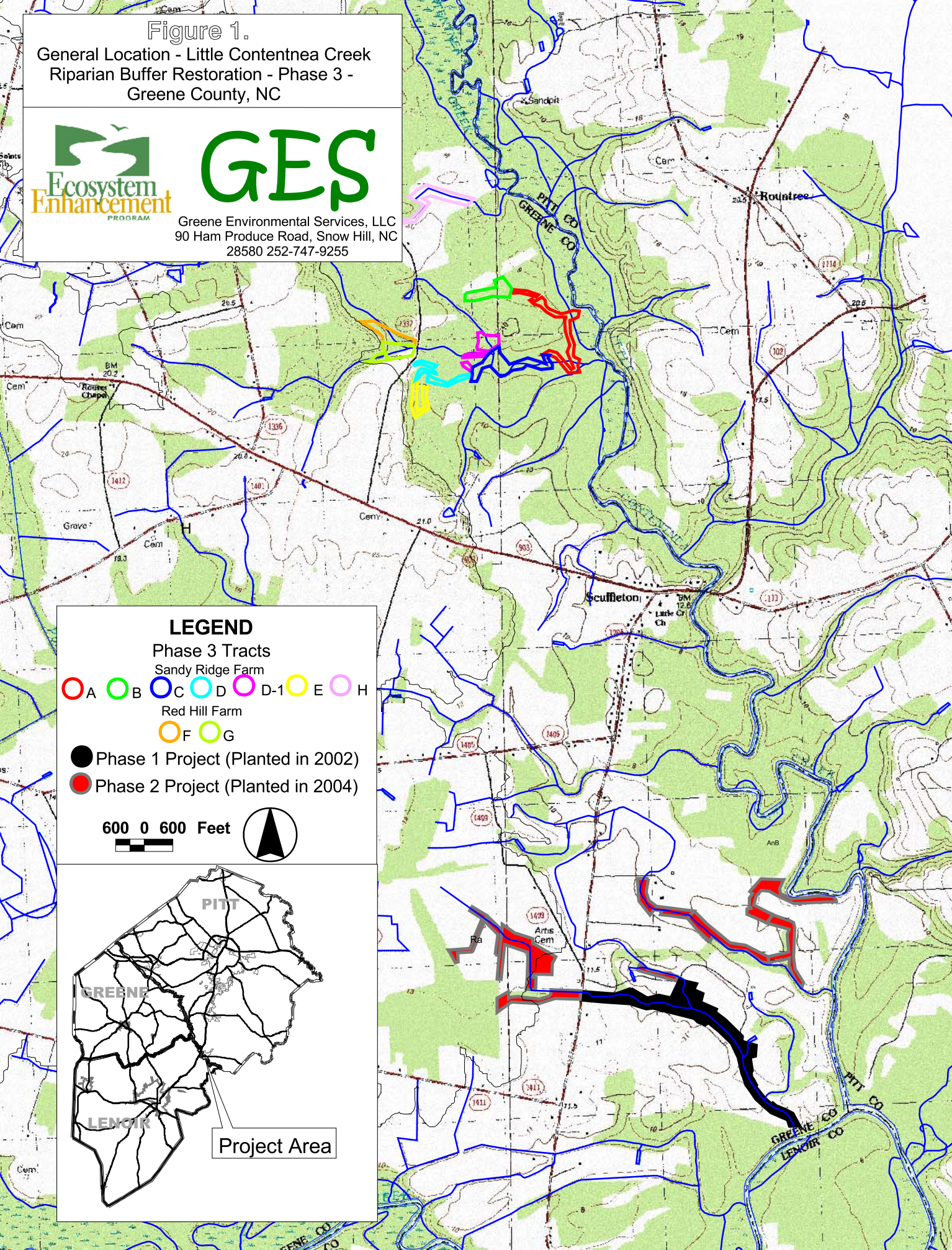
Figure 1.

General Location - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC

Ecosystem Enhancement Program

GES

Greene Environmental Services, LLC
90 Ham Produce Road, Snow Hill, NC
28580 252-747-9255



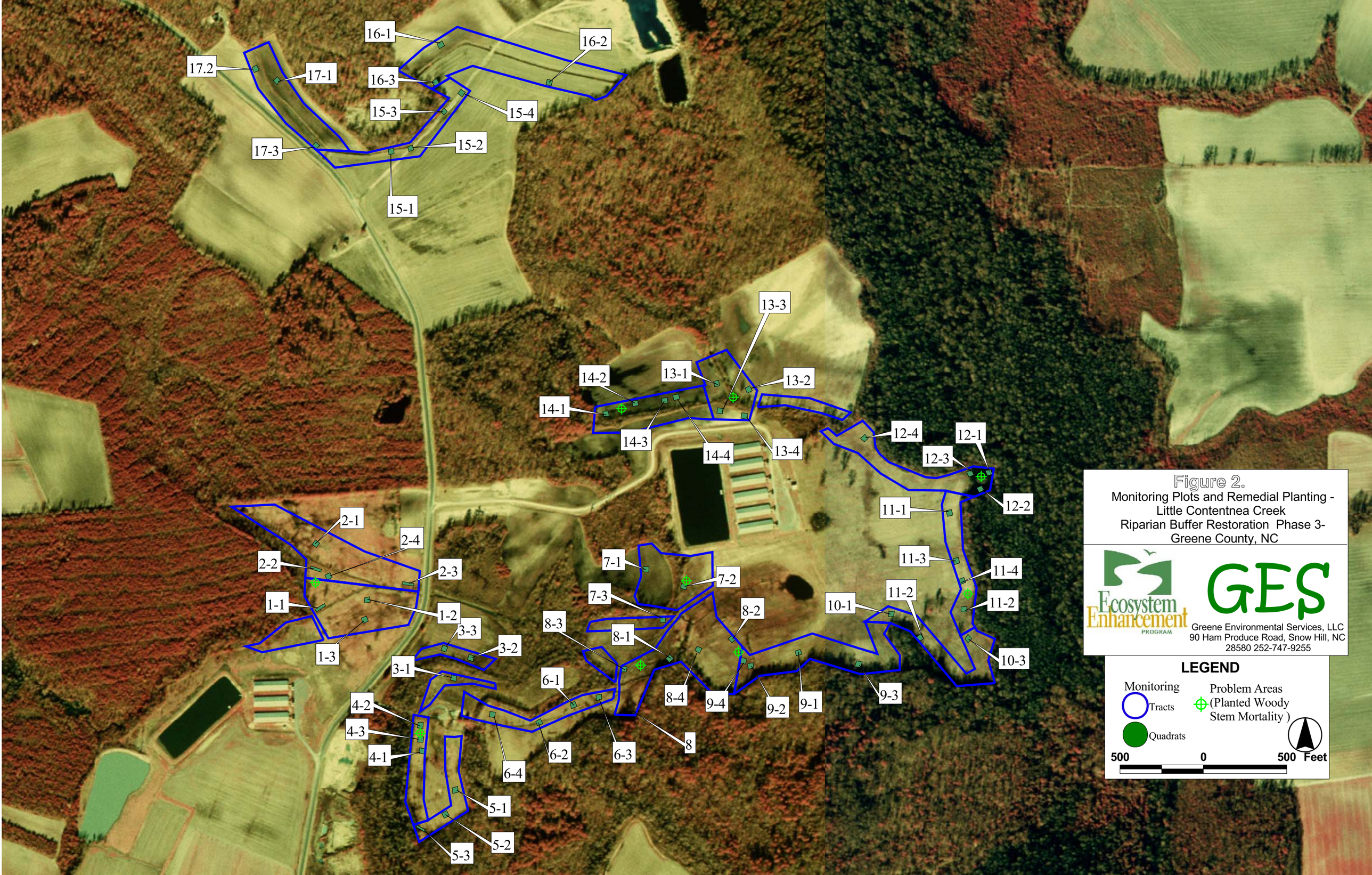


Figure 2.
Monitoring Plots and Remedial Planting - Little Contentnea Creek
Riparian Buffer Restoration Phase 3- Greene County, NC

Ecosystem Enhancement Program

GES
Greene Environmental Services, LLC
90 Ham Produce Road, Snow Hill, NC
28580 252-747-9255

LEGEND

Monitoring
Tracts
Quadrats

Problem Areas
(Planted Woody Stem Mortality)

500 0 500 Feet

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 1-1

Quadrat 1-2

Quadrat 1-3

Quadrat 2-1

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 2-2

Quadrat 2-3

Quadrat 2-4

Quadrat 3-1

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 3-2

Quadrat 3-3

Quadrat 4-1

Quadrat 4-2

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 4-3

Quadrat 5-1

Quadrat 5-2

Quadrat 5-3

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 6-1

Quadrat 6-2

Quadrat 6-3

Quadrat 6-4

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 7-1

Quadrat 7-2

Quadrat 7-3

Quadrat 8-1

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 8-2

Quadrat 8-3

Quadrat 8-4

Quadrat 9-1

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 9-2

Quadrat 9-3

Quadrat 9-4

Quadrat 10-1

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 10-2

Quadrat10-3

Quadrat 11-1

Quadrat 11-2

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 11-3

Quadrat 11-4

Quadrat 12-1

Quadrat 12-2

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 12-3

Quadrat 12-4

Quadrat 13-1

Quadrat 13-2

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 13-3

Quadrat 13-4

Quadrat 14-1

Quadrat 14-2

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

Quadrat 14-3

Quadrat 14-4

Quadrat 15-1

Quadrat 15-2

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3

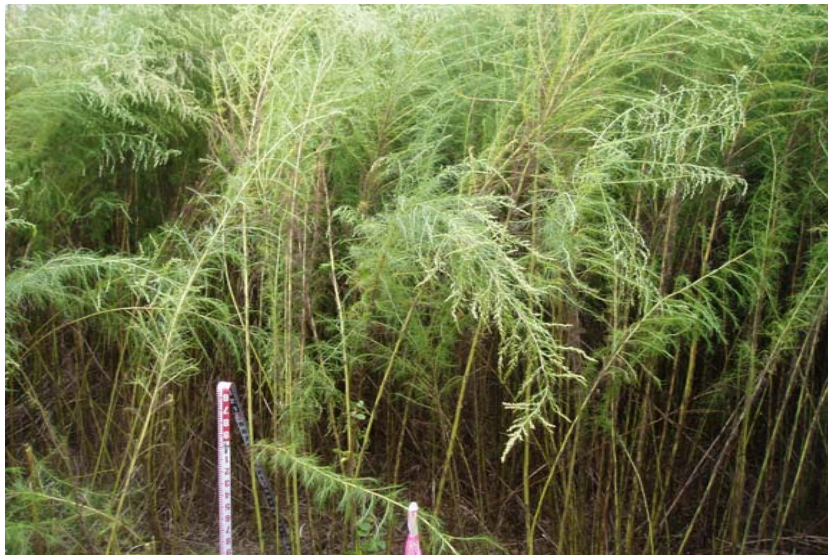
Quadrat 15-3

Quadrat 15-4

Quadrat 16-1

Quadrat 16-2

Permanent Quadrat Photographs - 2006 - Little Contentnea Creek Riparian Buffer Restoration - Phase 3



Quadrat 16-3

Quadrat 17-1

Quadrat 17-2

Quadrat 17-3

Table 2. Plot 1-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.80	90.80	1.00	0.00	0.8	90.8										
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	3.43	108.23	4.00	0.00	11	181	1.1	113	0.8	47.9	0.8	90.8				
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**5.00**	**0.00**												
Total planted stems per acre			**202.35**													

Table 2. Plot 1-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH							
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii		1												
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	1													

Table 3. Plot 1-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.40	53.90	4.00	0.00	0.5	60.4	0.4	47.9	0.3	49.4	0.4	57.9				
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.37	78.17	3.00	0.00	0.2	79.6	0.4	87.2	0.5	67.7						
Quercus pagoda			0.00	0.00												
Quercus phellos	0.60	53.60	1.00	0.00	0.6	53.6										
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.60	102.10	2.00	0.00	1.6	110	1.6	93.9								
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**10.00**	**0.00**												
Total planted stems per acre			**404.7**													

Table 3. Plot 1-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 4. Plot 1-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.73	50.90	3.00	0.00	0.6	43.3	0.8	51.8	0.8	57.6						
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.60	66.53	4.00	0.00	0.6	70.1	0.7	57.3	0.6	64	0.5	74.7				
Quercus pagoda			0.00	0.00												
Quercus phellos	0.70	52.40	1.00	0.00	0.7	52.4										
Quercus rubra	0.60	64.00	1.00	0.00	0.6	64										
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**9.00**	**0.00**												
Total planted stems per acre			**364.23**													

Table 4. Plot 1-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 5. Plot 2-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.67	55.67	3.00	0.00	0.8	59.4	0.5	49.7	0.7	57.9						
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.30	42.70	1.00	0.00	0.3	42.7										
Quercus pagoda			0.00	0.00												
Quercus phellos	0.40	51.80	1.00	0.00	0.4	51.8										
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.30	59.73	3.00	0.00	0.7	26.8	2.5	130	0.7	22.9						
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**8.00**	**0.00**												
Total planted stems per acre			**323.76**													

Table 5. Plot 2-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 6. Plot 2-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.50	54.90	1.00	0.00	0.5	54.9										
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	2.35	365.75	2.00	0.00	2.8	427	1.9	305								
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	0.40	89.00	1.00	0.00	0.4	89										
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**4.00**	**0.00**												
Total planted stems per acre			**161.88**													

Table 6. Plot 2-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua		4	12	7										
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	23													

Table 7. Plot 2-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.59	56.00	8.00	0.00	0.4	42.1	0.3	50.6	0.5	85.6	0.6	53	0.7	58.2	0.8	56.7
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	1.05	63.63	4.00	0.00	1.2	85.6	1.2	65.8	1.2	74.4	0.6	28.7				
Quercus pagoda			0.00	0.00												
Quercus phellos	0.50	47.20	1.00	0.00	0.5	47.2										
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	1.00	d	d										
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**13.00**	**1.00**												
Total planted stems per acre			**526.11**													

Table 7. Plot 2-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00				
Fraxinus pennsylvanica	0.59	56.00	8.00	0.00	0.6	50.6	0.8	51.2
Liriodendron tulipifera			0.00	0.00				
Platanus occidentalis			0.00	0.00				
Quercus nigra	1.05	63.63	4.00	0.00				
Quercus pagoda			0.00	0.00				
Quercus phellos	0.50	47.20	1.00	0.00				
Quercus rubra			0.00	0.00				
Quercus spp.			0.00	1.00				
Taxodium distichum			0.00	0.00				
Nyssa bicolor			0.00	0.00				
Total planted stems per plot			**13.00**	**1.00**				
Total planted stems per acre			**526.11**					

Table 7. Plot 2-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana		1												
Ligustrum sinensis														
Liquidambar styraciflua	1													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	2													

Table 8. Plot 2-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.50	28.95	2.00	0.00	0.2	13.7	0.8	44.2								
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.90	74.70	1.00	0.00	0.9	74.7										
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	2.78	103.48	5.00	0.00	2.4	143	8	183	0.6	42.7	1.1	74.7	1.8	73.8		
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**8.00**	**0.00**												
Total planted stems per acre			**323.76**													

Table 8. Plot 2-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH							
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua							1							
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	1													

Table 9. Plot 3-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	27.00	341.38	4.00	0.00	25	335	32	390	31	366	20	274				
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.82	102.42	5.00	0.00	2	152	0.5	48.8	0.2	32	1.4	102	5	177		
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**9.00**	**0.00**												
Total planted stems per acre			**364.23**													

Table 9. Plot 3-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 10. Plot 3-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.60	49.18	9.00	0.00	0.6	55.5	0.6	57.9	0.8	57.9	0.6	33.5	0.5	42.7	0.7	45.7
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.77	56.90	3.00	0.00	0.9	57.9	0.9	76.2	0.5	36.6						
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.35	101.35	2.00	0.00	1.1	71.6	1.6	131								
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**14.00**	**0.00**												
Total planted stems per acre			**566.58**													

Table 10. Plot 3-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00						
Fraxinus pennsylvanica	0.60	49.18	9.00	0.00	0.5	67.1	0.6	42.7	0.5	39.6
Liriodendron tulipifera			0.00	0.00						
Platanus occidentalis			0.00	0.00						
Quercus nigra	0.77	56.90	3.00	0.00						
Quercus pagoda			0.00	0.00						
Quercus phellos			0.00	0.00						
Quercus rubra			0.00	0.00						
Quercus spp.			0.00	0.00						
Taxodium distichum	1.35	101.35	2.00	0.00						
Nyssa bicolor			0.00	0.00						
Total planted stems per plot			**14.00**	**0.00**						
Total planted stems per acre			**566.58**							

Table 10. Plot 3-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	500													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	1													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	501													

Table 11. Plot 3-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.46	49.62	5.00	0.00	0.4	28.7	0.3	46.9	0.4	51.2	0.4	52.4	0.8	68.9		
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.20	33.50	1.00	0.00	0.2	33.5										
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.22	91.08	5.00	0.00	1.6	109	1.2	92.5	0.5	74.4	1	53.5	1.8	126		
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**11.00**	**0.00**												
Total planted stems per acre			**445.17**													

Table 11. Plot 3-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	200													
Baccharis halimifolia														
Carpinus caroliniana		1												
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	5													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	206													

Table 12. Plot 4-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	1.10	55.20	1.00	1.00	1.1	55.2	d	d								
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	1.08	163.75	4.00	0.00	1.3	131	1.4	247	0.7	165	0.9	112				
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.32	99.05	6.00	0.00	1.9	135	1.6	125	0.9	70.7	1.6	100	0.9	65.8	1	97.5
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**11.00**	**1.00**												
Total planted stems per acre			**445.17**													

Table 12. Plot 4-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	9													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	18	3	7	2										
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	39													

Table 13. Plot 4-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	1.20	50.60	1.00	3.00	1.2	50.6	d	d	d	d	d	d				
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	0.94	203.12	5.00	0.00	1.4	229	1	188	0.6	174	0.8	210	0.9	215		
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**6.00**	**3.00**												
Total planted stems per acre			**242.82**													

Table 13. Plot 4-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	5													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	25													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	30													

Table 14. Plot 4-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.80	34.40	1.00	0.00	0.8	34.4										
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	1.08	132.43	8.00	3.00	0.9	106	0.9	231	1.4	127	1.1	99.4	0.6	167	1.2	96.3
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	0.80	71.00	1.00	0.00	0.8	71										
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**10.00**	**3.00**												
Total planted stems per acre			**404.7**													

Table 14. Plot 4-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00										
Fraxinus pennsylvanica	0.80	34.40	1.00	0.00										
Liriodendron tulipifera			0.00	0.00										
Platanus occidentalis	1.08	132.43	8.00	3.00	1.8	153	0.7	79.6	d	d	d	d	d	d
Quercus nigra			0.00	0.00										
Quercus pagoda			0.00	0.00										
Quercus phellos			0.00	0.00										
Quercus rubra			0.00	0.00										
Quercus spp.			0.00	0.00										
Taxodium distichum	0.80	71.00	1.00	0.00										
Nyssa bicolor			0.00	0.00										
Total planted stems per plot			**10.00**	**3.00**										
Total planted stems per acre			**404.7**											

Table 14. Plot 4-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	1	3												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	5													

Table 15. Plot 5-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.42	40.00	4.00	1.00	0.4	32	0.7	54.9	0.08	57.9	0.5	15.2	d	d		
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.63	45.20	3.00	0.00	0.6	64	0.5	38.1	0.8	33.5						
Quercus pagoda			0.00	0.00												
Quercus phellos	1.20	64.00	2.00	0.00	0.7	32	1.7	96								
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**9.00**	**1.00**												
Total planted stems per acre			**364.23**													

Table 15. Plot 5-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	29	26	8	1										
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	64													

Table 16. Plot 5-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00														
Fraxinus pennsylvanica	0.64	42.54	7.00	0.00	0.8	54.9	0.8	59.4	0.6	54.9	0.6	48.8	0.6	25	0.5	27.4	0.6	27.4
Liriodendron tulipifera			0.00	0.00														
Platanus occidentalis	9.33	196.60	3.00	0.00	17	259.1	4	150.9	7	179.8								
Quercus nigra	0.50	48.80	1.00	0.00	0.5	48.8												
Quercus pagoda			0.00	0.00														
Quercus phellos	0.60	38.10	1.00	0.00	0.6	38.1												
Quercus rubra			0.00	0.00														
Quercus spp.			0.00	0.00														
Taxodium distichum			0.00	0.00														
Nyssa bicolor			0.00	0.00														
Total planted stems per plot			**12.00**	**0.00**														
Total planted stems per acre			**485.64**															

Table 16. Plot 5-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum		1												
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis	6	8	3											
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	18													

Table 17. Plot 5-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.90	38.72	5.00	0.00	0.7	48.8	0.8	44.2	0.8	50.3	1	19.8	1.2	30.5		
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	0.95	77.70	4.00	1.00	0.8	64	1.1	85.3	0.8	83.8	1.1	77.7	d	d		
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**9.00**	**1.00**												
Total planted stems per acre			**364.23**													

Table 17. Plot 5-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis	2													
Liquidambar styraciflua	5													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	8													

Table 18. Plot 6-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.40	25.00	1.00	0.00	0.4	25										
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	0.83	134.50	3.00	0.00	0.4	151	0.6	162	1.5	90.8						
Quercus nigra	0.55	54.55	2.00	0.00	0.7	70.1	0.4	39								
Quercus pagoda			0.00	0.00												
Quercus phellos	0.40	42.70	1.00	0.00	0.4	42.7										
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	0.30	44.20	1.00	0.00	0.3	44.2										
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**8.00**	**0.00**												
Total planted stems per acre			**323.76**													

Table 18. Plot 6-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	2													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	1													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	3													

Table 19. Plot 6-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.68	54.82	6.00	0.00	0.8	57.9	0.7	53.3	0.5	46.3	0.7	61.6	0.6	61	0.8	48.8
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	1.27	226.53	3.00	0.00	1.5	238	1.3	238	1	204						
Quercus nigra	0.80	39.00	1.00	0.00	0.8	39										
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.10	53.95	2.00	0.00	1	38.1	1.2	69.8								
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**12.00**	**0.00**												
Total planted stems per acre			**485.64**													

Table 19. Plot 6-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	100													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	3													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	103													

Table 20. Plot 6-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.72	52.42	5.00	0.00	0.8	42.7	0.8	51.8	0.7	53.3	0.4	51.8	0.9	62.5		
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.85	49.10	3.00	0.00	0.7	54.9	1	49.7	,6	42.7						
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.00	82.30	3.00	0.00	1.3	97.5	1.3	93	0.4	56.4						
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**11.00**	**0.00**												
Total planted stems per acre			**445.17**													

Table 20. Plot 6-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	700													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	50													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	750													

Table 21. Plot 6-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.68	46.16	5.00	1.00	0.8	50.3	0.9	57.9	0.6	18.3	0.5	49.4	0.6	54.9	d	d
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	0.80	193.20	1.00	0.00	0.8	193										
Quercus nigra	0.40	37.20	1.00	0.00	0.4	37.2										
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	1.40	98.80	1.00	0.00	1.4	98.8										
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**8.00**	**1.00**												
Total planted stems per acre			**323.76**													

Table 21. Plot 6-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	6													
Baccharis halimifolia	1	2												
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	31	6												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	46													

Table 22. Plot 7-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.81	31.16	9.00	0.00	0.8	15.2	0.9	54.9	0.9	18.3	1.1	36.6	0.6	25.9	1	45.7
Liriodendron tulipifera	0.50	14.80	2.00	2.00	0.7	16.8	d	d	d	d	0.3	12.8				
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**11.00**	**2.00**												
Total planted stems per acre			**445.17**													

Table 22. Plot 7-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00						
Fraxinus pennsylvanica	0.81	31.16	9.00	0.00	0.8	22.9	0.7	27.4	0.5	33.5
Liriodendron tulipifera	0.50	14.80	2.00	2.00						
Platanus occidentalis			0.00	0.00						
Quercus nigra			0.00	0.00						
Quercus pagoda			0.00	0.00						
Quercus phellos			0.00	0.00						
Quercus rubra			0.00	0.00						
Quercus spp.			0.00	0.00						
Taxodium distichum			0.00	0.00						
Nyssa bicolor			0.00	0.00						
Total planted stems per plot			**11.00**	**2.00**						
Total planted stems per acre			**445.17**							

Table 22. Plot 7-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	106													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	92													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.	2													
Vitus spp.	1													
Total volunteer stems per plot	201													

Table 23. Plot 7-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00														
Fraxinus pennsylvanica			0.00	0.00														
Liriodendron tulipifera			0.00	0.00														
Platanus occidentalis	24.00	322.43	7.00	0.00	18	298.7	7	178.3	24	320	40	438.9	27	335.3	30	390.1	22	295.7
Quercus nigra			0.00	0.00														
Quercus pagoda			0.00	0.00														
Quercus phellos			0.00	0.00														
Quercus rubra			0.00	0.00														
Quercus spp.			0.00	0.00														
Taxodium distichum			0.00	0.00														
Nyssa bicolor			0.00	0.00														
Total planted stems per plot			**7.00**	**0.00**														
Total planted stems per acre			**283.29**															

Table 23. Plot 7-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua		1												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	2													

Table 24. Plot 7-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	1.00	30.50	1.00	0.00	1	30.5										
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	1.30	185.18	8.00	0.00	1.8	280	1.3	189	0.8	183	0.9	207	1.8	244	1.6	229
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**9.00**	**0.00**												
Total planted stems per acre			**364.23**													

Table 24. Plot 7-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00				
Fraxinus pennsylvanica	1.00	30.50	1.00	0.00				
Liriodendron tulipifera			0.00	0.00				
Platanus occidentalis	1.30	185.18	8.00	0.00	1.7	125	0.5	24.4
Quercus nigra			0.00	0.00				
Quercus pagoda			0.00	0.00				
Quercus phellos			0.00	0.00				
Quercus rubra			0.00	0.00				
Quercus spp.			0.00	0.00				
Taxodium distichum			0.00	0.00				
Nyssa bicolor			0.00	0.00				
Total planted stems per plot			**9.00**	**0.00**				
Total planted stems per acre			**364.23**					

Table 24. Plot 7-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	2													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum			1											
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	2													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	5													

Table 25. Plot 8-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana	0.65	40.39	2.00	0.00	0.3	39.62	1	41.15														
Fraxinus pennsylvanica			0.00	0.00																		
Liriodendron tulipifera			0.00	0.00																		
Platanus occidentalis	1.79	257.18	8.00	0.00	2.8	347.5	1.9	268.2	2.4	335.3	2.3	301.8	1	219.5	1.4	243.8	1.4	140.2	1.1	201.2		
Quercus nigra			0.00	0.00																		
Quercus pagoda			0.00	0.00																		
Quercus phellos			0.00	0.00																		
Quercus rubra			0.00	0.00																		
Quercus spp.			0.00	0.00																		
Taxodium distichum			0.00	0.00																		
Nyssa bicolor			0.00	0.00																		
Total planted stems per plot			**10.00**	**0.00**																		
Total planted stems per acre			**404.7**																			

Table 25. Plot 8-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	3	3												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	6													

Table 26. Plot 8-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00														
Fraxinus pennsylvanica	0.60	18.59	1.00	5.00	0.6	18.59	d	d	d	d	d	d	d	d	d	d		
Liriodendron tulipifera			0.00	0.00														
Platanus occidentalis	0.90	185.93	1.00	0.00	0.9	185.9												
Quercus nigra	0.40	28.04	1.00	0.00	0.4	28.04												
Quercus pagoda			0.00	0.00														
Quercus phellos			0.00	0.00														
Quercus rubra			0.00	0.00														
Quercus spp.			0.00	0.00														
Taxodium distichum			0.00	0.00														
Nyssa bicolor			0.00	0.00														
Total planted stems per plot			**3.00**	**5.00**														
Total planted stems per acre			**121.41**															

Table 26. Plot 8-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 27. Plot 8-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	1.03	47.75	3.00	0.00	1	57.9	0.9	27.4	1.2	57.9						
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	12.50	216.41	2.00	1.00	14	235	11	198	d	d						
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum	0.80	67.06	1.00	0.00	0.8	67.1										
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**6.00**	**1.00**												
Total planted stems per acre			**242.82**													

Table 27. Plot 8-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia	1													
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana	1													
Ligustrum sinensis														
Liquidambar styraciflua	1	1												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	4													

Table 28. Plot 8-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.73	52.28	4.00	1.00	0.7	37.2	0.7	52.4	0.8	59.7	0.7	59.7	d	d		
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	0.95	202.08	4.00	0.00	1.2	235	0.6	168	0.5	166	1.5	239				
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**8.00**	**1.00**												
Total planted stems per acre			**323.76**													

Table 28. Plot 8-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	3													
Quercus lyrata														
Quercus micheauxii	1													
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	4													

Table 29. Plot 9-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)
Fraxinus americana			0.00	0.00													
Fraxinus pennsylvanica			0.00	0.00													
Liriodendron tulipifera			0.00	0.00													
Platanus occidentalis			0.00	0.00													
Quercus nigra			0.00	0.00													
Quercus pagoda	1.00	77.00	1.00	0.00	1	77											
Quercus phellos	0.37	28.00	7.00	3.00	d	d	0.3	33	0.2	17	0.3	34	0.4	19	0.5	28	0.4
Quercus rubra			0.00	0.00													
Quercus spp.			0.00	2.00	d	d	d	d									
Taxodium distichum			0.00	0.00													
Nyssa bicolor			0.00	0.00													
Total planted stems per plot			**8.00**	**5.00**													
Total planted stems per acre			**323.76**														

Table 29. Plot 9-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00							
Fraxinus pennsylvanica			0.00	0.00							
Liriodendron tulipifera			0.00	0.00							
Platanus occidentalis			0.00	0.00							
Quercus nigra			0.00	0.00							
Quercus pagoda	1.00	77.00	1.00	0.00							
Quercus phellos	0.37	28.00	7.00	3.00	28	0.5	37	d	d	d	d
Quercus rubra			0.00	0.00							
Quercus spp.			0.00	2.00							
Taxodium distichum			0.00	0.00							
Nyssa bicolor			0.00	0.00							
Total planted stems per plot			**8.00**	**5.00**							
Total planted stems per acre			**323.76**								

Table 29. Plot 9-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia		1												
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	2		1											
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	4													

Table 30. Plot 9-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera	0.80	51.21	1.00	3.00	d	d	d	d	d	d	0.8	51.2				
Platanus occidentalis	2.16	302.24	5.00	0.00	2.5	347	1.6	274	2.2	283	2.1	299	2.4	308		
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**6.00**	**3.00**												
Total planted stems per acre			**242.82**													

Table 30. Plot 9-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	1	4												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	5													

Table 31. Plot 9-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00														
Fraxinus pennsylvanica	1.10	55.48	2.00	1.00	1	57.91	1.2	53.04	d	d								
Liriodendron tulipifera			0.00	0.00														
Platanus occidentalis			0.00	0.00														
Quercus nigra	0.39	66.30	4.00	3.00	0.25	170.7	0.3	21.34	0.2	11.89	0.8	61.26	d	d	d	d	d	d
Quercus pagoda			0.00	0.00														
Quercus phellos	0.57	52.12	3.00	1.00	0.6	80.47	0.8	50.6	0.3	25.3	d	d						
Quercus rubra			0.00	0.00														
Quercus spp.			0.00	0.00														
Taxodium distichum			0.00	0.00														
Nyssa bicolor			0.00	0.00														
Total planted stems per plot			**9.00**	**5.00**														
Total planted stems per acre			**364.23**															

Table 31. Plot 9-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	30	17												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	47													

Table 32. Plot 9-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.85	40.84	2.00	0.00	0.4	42.7	1.3	39								
Liriodendron tulipifera			0.00	4.00	d	d	d	d	d	d	d	d				
Platanus occidentalis	1.77	222.00	3.00	0.00	1.7	244	2	294	1.6	128						
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**5.00**	**4.00**												
Total planted stems per acre			**202.35**													

Table 32. Plot 9-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	1													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	1													

Table 33. Plot 10-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.90	52.24	8.00	0.00	1.3	37.2	0.8	47.6	0.7	57.3	0.7	50	1	67.1	1.2	76.8
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.38	30.64	2.00	0.00	0.5	36.6	0.25	24.7								
Quercus rubra	1.20	96.93	2.00	0.00	1.3	99.4	1.1	94.5								
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**12.00**	**0.00**												
Total planted stems per acre			**485.64**													

Table 33. Plot 10-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 34. Plot 10-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.74	44.99	10.00	0.00	0.6	60.96	0.8	54.25	0.5	20.42	0.9	23.16	0.6	41.76	0.9	34.75
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**10.00**	**0.00**												
Total planted stems per acre			**404.7**													

Table 34. Plot 10-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00								
Fraxinus pennsylvanica	0.74	44.99	10.00	0.00	0.8	59.74	1	65.23	0.7	58.52	0.6	31.09
Liriodendron tulipifera			0.00	0.00								
Platanus occidentalis			0.00	0.00								
Quercus nigra			0.00	0.00								
Quercus pagoda			0.00	0.00								
Quercus phellos			0.00	0.00								
Quercus rubra			0.00	0.00								
Quercus spp.			0.00	0.00								
Taxodium distichum			0.00	0.00								
Nyssa bicolor			0.00	0.00								
Total planted stems per plot			**10.00**	**0.00**								
Total planted stems per acre			**404.7**									

Table 34. Plot 10-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	4													
Quercus lyrata														
Quercus micheauxii	2	6												
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	13													

Table 35. Plot 10-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.92	56.54	6.00	0.00	1	53.3	0.8	48.8	1	61	1	76.2	0.9	54.9	0.8	45.1
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.	0.65	54.10	2.00	0.00	0.3	30.5	1	77.7								
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**8.00**	**0.00**												
Total planted stems per acre			**323.76**													

Table 35. Plot 10-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia	1													
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	2													

Table 36. Plot 11-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**0.00**	**0.00**												
Total planted stems per acre			**0**													

Table 36. Plot 11-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 37. Plot 11-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.66	36.58	5.00	1.00	0.8	38.1	1	48.8	0.4	36.6	0.7	35.1	0.4	24.4	d	d
Liriodendron tulipifera			0.00	2.00	d	d	d	d								
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**5.00**	**3.00**												
Total planted stems per acre			**202.35**													

Table 37. Plot 11-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	15	8												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	24													

Table 38. Plot 11-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00														
Fraxinus pennsylvanica	0.88	40.54	6.00	1.00	1.4	51.21	0.4	10.67	1.1	39.62	1	36.58	0.9	59.44	0.5	45.72	d	d
Liriodendron tulipifera			0.00	0.00														
Platanus occidentalis	0.55	175.26	2.00	0.00	0.7	204.2	0.4	146.3										
Quercus nigra			0.00	0.00														
Quercus pagoda			0.00	0.00														
Quercus phellos			0.00	0.00														
Quercus rubra			0.00	0.00														
Quercus spp.			0.00	0.00														
Taxodium distichum			0.00	0.00														
Nyssa bicolor			0.00	0.00														
Total planted stems per plot			**8.00**	**1.00**														
Total planted stems per acre			**323.76**															

Table 38. Plot 11-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia			2	2										
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	4													

Table 39. Plot 11-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.90	44.20	1.00	1.00	0.9	44.2	d	d								
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	0.93	156.97	3.00	0.00	1.4	213	0.5	174	0.9	83.8						
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**4.00**	**1.00**												
Total planted stems per acre			**161.88**													

Table 39. Plot 11-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum	1													
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	1													

Table 40. Plot 12-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor	0.55	49.15	4.00	0.00	0.5	50.3	0.7	73.2	0.5	51.8	0.5	21.3				
Total planted stems per plot			**4.00**	**0.00**												
Total planted stems per acre			**161.88**													

Table 40. Plot 12-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua		4												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra	1													
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	5													

Table 41. Plot 12-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.58	40.49	6.00	0.00	0.5	48.8	0.7	39.6	0.6	16.8	0.8	51.8	0.5	48.8	0.4	37.2
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis	0.80	70.10	1.00	0.00	0.8	70.1										
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.60	60.96	1.00	0.00	0.6	61										
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor	0.70	21.34	1.00	0.00	0.7	21.3										
Total planted stems per plot			**9.00**	**0.00**												
Total planted stems per acre			**364.23**													

Table 41. Plot 12-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	3													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	3	1												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	7													

Table 42. Plot 12-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera			0.00	4.00	d	d	d	d	d	d	d	d				
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.85	88.40	2.00	0.00	0.9	112	0.8	64.6								
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**2.00**	**4.00**												
Total planted stems per acre			**80.94**													

Table 42. Plot 12-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	15													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.	8													
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	23	13												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	59													

Table 43. Plot 12-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)
Fraxinus americana			0.00	0.00													
Fraxinus pennsylvanica	0.49	31.09	10.00	0.00	0.6	24.4	0.5	32	0.5	27.4	0.8	76.2	0.6	27.4	0.5	30.5	0.5
Liriodendron tulipifera			0.00	0.00													
Platanus occidentalis			0.00	0.00													
Quercus nigra			0.00	0.00													
Quercus pagoda			0.00	0.00													
Quercus phellos			0.00	0.00													
Quercus rubra			0.00	0.00													
Quercus spp.			0.00	0.00													
Taxodium distichum			0.00	0.00													
Nyssa bicolor			0.00	0.00													
Total planted stems per plot			**10.00**	**0.00**													
Total planted stems per acre			**404.7**														

Table 43. Plot 12-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00							
Fraxinus pennsylvanica	0.49	31.09	10.00	0.00	29	0.4	22.9	0.3	22.9	0.2	18.3
Liriodendron tulipifera			0.00	0.00							
Platanus occidentalis			0.00	0.00							
Quercus nigra			0.00	0.00							
Quercus pagoda			0.00	0.00							
Quercus phellos			0.00	0.00							
Quercus rubra			0.00	0.00							
Quercus spp.			0.00	0.00							
Taxodium distichum			0.00	0.00							
Nyssa bicolor			0.00	0.00							
Total planted stems per plot			**10.00**	**0.00**							
Total planted stems per acre			**404.7**								

Table 43. Plot 12-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 44. Plot 13-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.85	40.39	4.00	1.00	0.2	18.3	0.7	33.5	1.3	61	1.2	48.8	d	d		
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**4.00**	**1.00**												
Total planted stems per acre			**161.88**													

Table 44. Plot 13-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	200													
Baccharis halimifolia		5												
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	50													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	255													

Table 45. Plot 13-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	1.00	27.59	2.00	0.00	0.9	33.8	1.1	21.3								
Liriodendron tulipifera	0.55	36.27	2.00	2.00	0.6	33.5	0.5	39	d	d	d	d				
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.40	34.75	3.00	0.00	0.8	58.5	0.2	18.9	0.2	26.8						
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	2.00	d	d	d	d								
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**7.00**	**4.00**												
Total planted stems per acre			**283.29**													

Table 45. Plot 13-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	5													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	6													

Table 46. Plot 13-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	Average Diameter (cm)	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.50	29.97	3.00	1.00	0.5	35.1	0.5	27.4	0.5	27.4	d	d				
Liriodendron tulipifera			0.00	1.00	d	d										
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.43	51.44	4.00	0.00	0.6	57.9		39.6	0.4	68.6	0.3	39.6				
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**7.00**	**2.00**												
Total planted stems per acre			**283.29**													

Table 46. Plot 13-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	1													

Table 47. Plot 13-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.70	50.60	1.00	0.00	0.7	50.6										
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda	0.30	38.40	1.00	0.00	0.3	38.4										
Quercus phellos	0.20	26.82	3.00	0.00	0.2	33.53	0.2	17.07	0.2	29.87						
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	6.00	d	d	d	d	d	d	d	d	d	d	d	d
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**5.00**	**6.00**												
Total planted stems per acre			**202.35**													

Table 47. Plot 13-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												

Table 48. Plot 14-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**0.00**	**0.00**												
Total planted stems per acre			**0**													

Table 48. Plot 14-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	200	50												
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.	1													
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua		5												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	256													

Table 49. Plot 14-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	1.00	45.72	1.00	0.00	1	45.7										
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**1.00**	**0.00**												
Total planted stems per acre			**40.47**													

Table 49. Plot 14-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	500													
Baccharis halimifolia	13													
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	150	50												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	713													

Table 50. Plot 14-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	1.00	39.62	1.00	0.00	1	39.6										
Liriodendron tulipifera	0.70	30.48	1.00	1.00	0.7	30.5	d	d								
Platanus occidentalis			0.00	0.00												
Quercus nigra	1.10	79.25	1.00	0.00	1.1	79.3										
Quercus pagoda			0.00	0.00												
Quercus phellos	0.52	50.54	6.00	0.00	0.5	36.6	0.4	45.7	0.7	96	0.7	48.8	0.5	45.7	0.3	30.5
Quercus rubra			0.00	0.00												
Quercus spp.	0.20	28.96	1.00	0.00	0.2	29										
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**10.00**	**1.00**												
Total planted stems per acre			**404.7**													

Table 50. Plot 14-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	300													
Baccharis halimifolia	2													
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	400	50												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	752													

Table 51. Plot 14-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.70	29.62	5.00	0.00	0.8	36	0.5	27.4	0.4	23.2	0.5	26.8	1.3	34.7		
Liriodendron tulipifera	0.60	39.90	2.00	0.00	0.5	46.3	0.7	33.5								
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.53	57.93	4.00	0.00	0.6	92.7	0.4	17.7	0.3	27.4	0.8	93.9				
Quercus pagoda			0.00	0.00												
Quercus phellos	0.48	41.90	4.00	0.00	0.6	76.2	0.5	23.8	0.4	34.1	0.4	33.5				
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**15.00**	**0.00**												
Total planted stems per acre			**607.05**													

Table 51. Plot 14-4. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	300													
Baccharis halimifolia	2	3	2											
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	50	50												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	407													

Table 52. Plot 15-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC .

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.43	40.97	6.00	0.00	0.2	49.4	0.5	55.5	0.2	24.4	0.5	24.4	0.5	31.1	0.7	61
Quercus pagoda			0.00	0.00												
Quercus phellos	0.33	50.60	3.00	0.00	0.4	94.5	0.4	31.7	0.2	25.6						
Quercus rubra	0.60	81.10	2.00	0.00	0.5	55.5	0.7	107								
Quercus spp.	0.40	47.77	3.00	1.00	0.4	61.6	0.4	44.5	0.4	37.2	d	d				
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**14.00**	**1.00**												
Total planted stems per acre			**566.58**													

Table 52. Plot 15-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC .

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia		1												
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	25	3												
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	29													

Table 53. Plot 15-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera			0.00	0.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.56	49.79	9.00	0.00	1.3	104	0.9	101	0.2	24.4	0.3	32	0.5	76.2	0.3	35.1
Quercus pagoda			0.00	0.00												
Quercus phellos	0.38	32.38	4.00	0.00	0.2	13.7	0.2	21.3	0.7	56.4	0.4	38.1				
Quercus rubra	0.70	54.90	1.00	0.00	0.7	54.9										
Quercus spp.	1.10	140.20	1.00	0.00	1.1	140										
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**15.00**	**0.00**												
Total planted stems per acre			**607.05**													

Table 53. Plot 15-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00						
Fraxinus pennsylvanica			0.00	0.00						
Liriodendron tulipifera			0.00	0.00						
Platanus occidentalis			0.00	0.00						
Quercus nigra	0.56	49.79	9.00	0.00	1.1	36.6	0.2	18.3	0.2	21.3
Quercus pagoda			0.00	0.00						
Quercus phellos	0.38	32.38	4.00	0.00						
Quercus rubra	0.70	54.90	1.00	0.00						
Quercus spp.	1.10	140.20	1.00	0.00						
Taxodium distichum			0.00	0.00						
Nyssa bicolor			0.00	0.00						
Total planted stems per plot			**15.00**	**0.00**						
Total planted stems per acre			**607.05**							

Table 53. Plot 15-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	35													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	35													

Table 54. Plot 15-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)
Fraxinus americana			0.00	0.00													
Fraxinus pennsylvanica	1.03	63.40	10.00	0.00	1.2	48.8	1.2	82.3	0.6	27.4	0.8	57.9	0.9	57.9	1	76.2	1
Liriodendron tulipifera	0.47	30.47	3.00	3.00	0.5	27.4	0.4	36.6	d	d	d	d	d	d	0.5	27.4	
Platanus occidentalis			0.00	0.00													
Quercus nigra			0.00	0.00													
Quercus pagoda			0.00	0.00													
Quercus phellos			0.00	0.00													
Quercus rubra			0.00	0.00													
Quercus spp.			0.00	0.00													
Taxodium distichum			0.00	0.00													
Nyssa bicolor			0.00	0.00													
Total planted stems per plot			**13.00**	**3.00**													
Total planted stems per acre			**526.11**														

Table 54. Plot 15-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00							
Fraxinus pennsylvanica	1.03	63.40	10.00	0.00	76.2	1.3	82.3	1.1	48.8	1.2	76.2
Liriodendron tulipifera	0.47	30.47	3.00	3.00							
Platanus occidentalis			0.00	0.00							
Quercus nigra			0.00	0.00							
Quercus pagoda			0.00	0.00							
Quercus phellos			0.00	0.00							
Quercus rubra			0.00	0.00							
Quercus spp.			0.00	0.00							
Taxodium distichum			0.00	0.00							
Nyssa bicolor			0.00	0.00							
Total planted stems per plot			**13.00**	**3.00**							
Total planted stems per acre			**526.11**								

Table 54. Plot 15-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	25													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	25													

Table 55. Plot 15-4. 2005 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	1.14	50.52	10.00	0.00	1	27.4	1.2	55.5	0.9	55.5	1.3	72.5	1.1	56.7	1.5	78.6
Liriodendron tulipifera	0.60	42.10	1.00	0.00	0.6	42.1										
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.35	23.68	4.00	0.00	0.2	10.4	0.2	45.9	0.6	20.7	0.4	17.7				
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**15.00**	**0.00**												
Total planted stems per acre			**607.05**													

Table 55. Plot 15-4. 2005 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00								
Fraxinus pennsylvanica	1.14	50.52	10.00	0.00	1.3	4.5	1	51.2	1	41.1	1.1	62.2
Liriodendron tulipifera	0.60	42.10	1.00	0.00								
Platanus occidentalis			0.00	0.00								
Quercus nigra			0.00	0.00								
Quercus pagoda			0.00	0.00								
Quercus phellos	0.35	23.68	4.00	0.00								
Quercus rubra			0.00	0.00								
Quercus spp.			0.00	0.00								
Taxodium distichum			0.00	0.00								
Nyssa bicolor			0.00	0.00								
Total planted stems per plot			**15.00**	**0.00**								
Total planted stems per acre			**607.05**									

Table 55. Plot 15-4. 2005 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia		2	1											
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	4													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	7													

Table 56. Plot 16-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.68	31.68	5.00	0.00	0.3	14	0.9	28	1	25	0.2	12.8	1	78.6		
Liriodendron tulipifera	0.80	42.25	2.00	1.00	0.5	23.5	1.1	61	d	d						
Platanus occidentalis	1.20	92.00	1.00	0.00	1.2	92										
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos	0.30	25.00	1.00	1.00	0.3	25	d	d								
Quercus rubra	0.50	29.90	1.00	0.00	0.5	29.9										
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**10.00**	**2.00**												
Total planted stems per acre			**404.7**													

Table 56. Plot 16-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	1													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	1													

Table 57. Plot 16-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.69	48.80	10.00	5.00	0.6	54.9	0.9	68.9	0.7	26.2	0.5	54.9	0.8	79.2	0.6	13.4
Liriodendron tulipifera			0.00	1.00	d	d										
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	1.00	d	d										
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**10.00**	**7.00**												
Total planted stems per acre			**404.7**													

Table 57. Plot 16-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.69	48.80	10.00	5.00	0.8	76.2	1.1	70.1	0.5	21.3	0.4	22.9	d	d	d	d
Liriodendron tulipifera			0.00	1.00												
Platanus occidentalis			0.00	0.00												
Quercus nigra			0.00	0.00												
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	1.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**10.00**	**7.00**												
Total planted stems per acre			**404.7**													

Table 57. Plot 16-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00						
Fraxinus pennsylvanica	0.69	48.80	10.00	5.00	d	d	d	d	d	d
Liriodendron tulipifera			0.00	1.00						
Platanus occidentalis			0.00	0.00						
Quercus nigra			0.00	0.00						
Quercus pagoda			0.00	0.00						
Quercus phellos			0.00	0.00						
Quercus rubra			0.00	0.00						
Quercus spp.			0.00	1.00						
Taxodium distichum			0.00	0.00						
Nyssa bicolor			0.00	0.00						
Total planted stems per plot			**10.00**	**7.00**						
Total planted stems per acre			**404.7**							

Table 57. Plot 16-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia		1												
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	1													

Table 58. Plot 16-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	Average Diameter (cm)	Average Height (cm)	Total Live Stems	Total Dead	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00																
Fraxinus pennsylvanica	0.84	43.97	7.00	0.00	1.5	82.3	0.8	39.6	0.6	39.6	0.8	36.6	0.7	36.6	0.9	45.7	0.6	27.4		
Liriodendron tulipifera			0.00	0.00																
Platanus occidentalis			0.00	0.00																
Quercus nigra			0.00	0.00																
Quercus pagoda			0.00	0.00																
Quercus phellos	0.90	61.97	3.00	0.00	0.7	64	0.9	30.5	1.1	91.4										
Quercus rubra			0.00	0.00																
Quercus spp.			0.00	0.00																
Taxodium distichum			0.00	0.00																
Nyssa bicolor			0.00	0.00																
Total planted stems per plot			**10.00**	**0.00**																
Total planted stems per acre			**404.7**																	

Table 58. Plot 16-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	325													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	100													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	425													

Table 59. Plot 17-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.98	42.83	4.00	0.00	1.1	37.2	0.9	51.2	1	37.2	0.9	45.7				
Liriodendron tulipifera	0.95	44.03	4.00	2.00	0.3	21.3	1.4	68.9	1.2	65.8	0.9	20.1	d	d	d	d
Platanus occidentalis			0.00	0.00												
Quercus nigra	1.00	54.90	1.00	0.00	1	54.9										
Quercus pagoda			0.00	0.00												
Quercus phellos			0.00	0.00												
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**9.00**	**2.00**												
Total planted stems per acre			**364.23**													

Table 59. Plot 17-1. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum	1													
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata		2												
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	3													

Table 60. Plot 17-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica			0.00	0.00												
Liriodendron tulipifera	0.75	51.05	4.00	0.00	0.5	36	0.6	44.5	0.7	51.2	1.2	72.5				
Platanus occidentalis			0.00	0.00												
Quercus nigra	0.53	43.73	4.00	0.00	1.1	45.1	0.5	81.7	0.3	33.5	0.2	14.6				
Quercus pagoda			0.00	0.00												
Quercus phellos	0.60	50.60	1.00	0.00	0.6	50.6										
Quercus rubra	0.60	49.40	1.00	0.00	0.6	49.4										
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**10.00**	**0.00**												
Total planted stems per acre			**404.7**													

Table 60. Plot 17-2. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua	2													
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	2													

Table 61. Plot 17-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

Species	**Average Diameter (cm)**	**Average Height (cm)**	**Total Live Stems**	**Total Dead**	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)	Diameter (cm)	Height (cm)
Fraxinus americana			0.00	0.00												
Fraxinus pennsylvanica	0.80	34.26	5.00	0.00	1.2	57.6	1.1	42.1	0.4	26.2	0.8	21.3	0.5	24.1		
Liriodendron tulipifera	0.73	45.13	3.00	0.00	0.8	57.9	1	54.9	0.4	22.6						
Platanus occidentalis			0.00	0.00												
Quercus nigra	1.40	38.40	1.00	0.00	1.4	38.4										
Quercus pagoda			0.00	0.00												
Quercus phellos	0.60	28.83	3.00	3.00	0.3	39.9	0.3	27.4	1.2	19.2	d	d	d	d	d	d
Quercus rubra			0.00	0.00												
Quercus spp.			0.00	0.00												
Taxodium distichum			0.00	0.00												
Nyssa bicolor			0.00	0.00												
Total planted stems per plot			**12.00**	**3.00**												
Total planted stems per acre			**485.64**													

Table 61. Plot 17-3. 2006 Monitoring Data - Little Contentnea Creek Riparian Buffer Restoration - Phase 3 - Greene County, NC.

	SEEDLING HT CLASS			SAPLINGS DBH		TREES - DBH								
Volunteer woody stems	10-50cm	50-100cm	100-137cm	0-1 cm	1-2.5 cm	2.5	5	10	15	20	25	30	35	40
Acer rubrum														
Baccharis halimifolia														
Carpinus caroliniana														
Cornus amomum														
Crataegus spp.														
Diospyros virginiana														
Ligustrum sinensis														
Liquidambar styraciflua														
Quercus lyrata														
Quercus micheauxii														
Quercus nigra														
Rhus copallinum														
Salix sp.														
Vitus spp.														
Total volunteer stems per plot	0	no volunteers												