

## NC DMS Closeout Report

November 05, 2015

|                          |   |
|--------------------------|---|
| Project Name             | Town of Cary BMP  |
| Project ID               | 676   |
| Project Type             | Nutrient offset project   |
| Basin                    | Neuse   |
| 14 digit CU              | 03020201  |
| County                   | Wake  |
| Applicable Buffer Rule   | Neuse nutrient offset payment- 15AC 02B.0240<br>NEUSE RIVER BASIN-NUTRIENT SENSITIVE WATERS MANAGEMENT<br>STRATEGY: BASINWIDE STORMWATER REQUIREMENTS – 15NCAC<br>2B.0235 |
| Date Planted/Constructed | Phase I: 2007/2008<br>There was a Phase II: DMS had no involvement with Phase II  |
| Treatment Area (ac.)     | 624   |
| Maintenance              | Town of Cary  |

| Town of Cary BMP # 676 Asset Table   |                              |                                       |                    |                                  |                                 |
|--|------------------------------|---------------------------------------|--------------------|----------------------------------|---------------------------------|
| BMP  | Treatment Area (ac.)         | Loading Rate (lbs./yr.) <sup>40</sup> | Removal Efficiency | Nitrogen removed per Year (lbs.) | Total N removed 30 Years (lbs.) |
| Floodplain wetlands  | 438.52                       | 4,351.01                              | 10%                | 435.10                           | 13,053                          |
| stormwater wetlands/<br>level spreaders<br>*Additional stormwater wetlands | 185.87<br><br>Approx. 62/185 | 2,072.80                              | 40%<br>16%         | 829.12<br>75.10                  | 24,874<br>2,253                 |
| <b>Total</b>   |                              |                                       |                    | <b>1,339.32</b>                  | <b>40,180</b>                   |

Table 2. Total nitrogen (TN) loading and BMP reductions by parcel and watershed.

| Parcel Zone Code                           | Upstream Watershed  |                     | Downstream Watershed |                     |
|--|---------------------|---------------------|----------------------|---------------------|
|  | Parcel Area (acres) | TN Loading (lbs/yr) | Parcel Area (acres)  | TN Loading (lbs/yr) |
| B1   | 2.71                | 56.99               | 0.00                 | 0.00                |
| B2   | 16.58               | 348.16              | 22.97                | 482.28              |
| DR   | 29.25               | 286.40              | 0.00                 | 0.00                |
| I1   | 7.09                | 95.91               | 0.47                 | 6.33                |
| I2   | 9.07                | 190.42              | 0.00                 | 0.00                |
| OI   | 37.95               | 437.61              | 5.55                 | 63.96               |
| PEC  | 0.48                | 6.47                | 1.35                 | 18.24               |
| R12  | 131.46              | 889.98              | 67.60                | 457.66              |
| R30  | 3.75                | 20.24               | 2.54                 | 13.69               |
| R8   | 18.37               | 179.85              | 0.07                 | 0.70                |
| RM   | 0.00                | 0.00                | 3.08                 | 31.91               |
| RMF12                                      | 23.45               | 242.68              | 19.37                | 200.46              |
| RMF8                                       | 2.35                | 24.36               | 11.29                | 116.88              |
| Streets/ROW                                | 61.33               | 1287.94             | 29.22                | 613.57              |
| Open Space                                 | 94.67               | 284.02              | 22.37                | 67.12               |
| <b>Total</b>                               | <b>438.52</b>       | <b>4351.01</b>      | <b>185.87</b>        | <b>2072.80</b>      |
| BMP Removal Efficiency                     | 10% <sup>1</sup>    |                     | 40% <sup>2</sup>     |                     |
| TN Load Reduction (lbs/yr)                 | 435.10              |                     | 829.12               |                     |
| Additional Reduction (lbs/yr) <sup>3</sup> | 0                   |                     | 75.10                |                     |
| Total Reduction (lbs/yr)                   | 435.10              |                     | 904.22               |                     |
| <b>Grand Total (lbs/yr)</b>                | <b>1,339</b>        |                     |                      |                     |

<sup>1</sup> Assumed treatment efficiency for upstream drainage by floodplain wetlands.

<sup>2</sup> NCDWQ, 1999b

<sup>3</sup> Includes loading from the additional treatment in the downstream watershed via a second layer of stormwater wetlands.



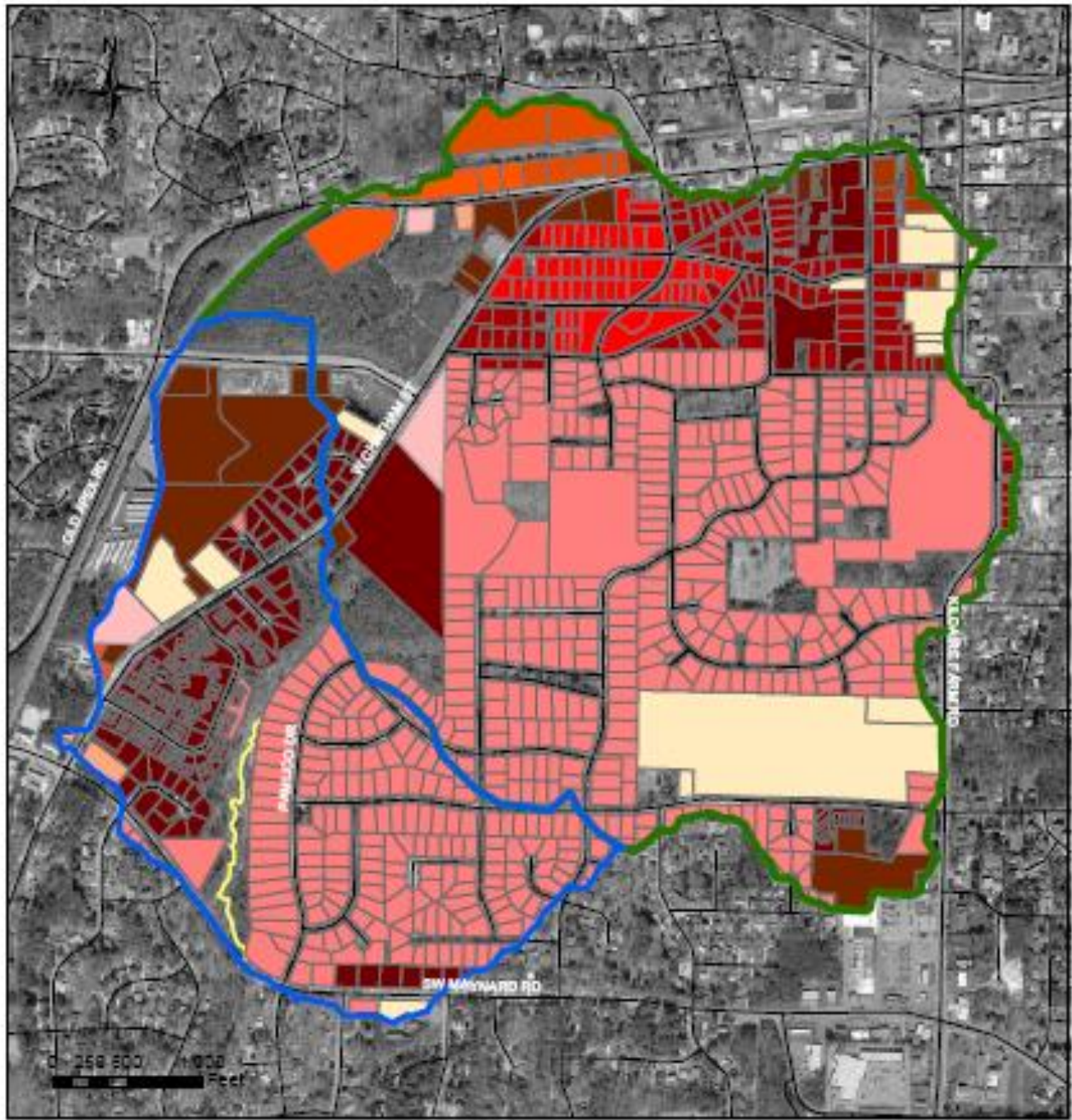
**Legend**

- Roads
- Restoration Reach
- Hydrography
- Withers and Ravenel, Inc.
- Property Line
- Town Property



Town of Cary  
Nitrogen Removal BMP Project

Figure 1. Project Site



**Legend**

- Restoration Reach
- Roads
- Watershed-Upstream
- Watershed-Downstream
- Developed Parcels**
- B-2
- B-1
- I-2
- H-1
- PEO
- OBI
- R-30
- R-12
- R-8
- D-R
- RM, RMP12, RMP6



Town of Cary  
Nitrogen Removal BMP Project

Figure 4. Parcel Map

Mitigation Project Name      Town of Cary BMP  
IMS ID #                              676  
River Basin                            NEUSE  
Cataloging Unit                      03020201  
Project Type                          Nutrient Offset Mitigation

Applied Credit Ratios:

1:1   1.5:1   2.5:1   5:1   1:1   3:1   2:1   5:1   1:1   3:1   2:1   5:1   1:1   3:1   2:1   5:1   1:1   3:1   19.163   297.541   1:1   1:1

|   |  |              | Stream Restoration | Stream Enhancement I | Stream Enhancement II | Stream Preservation | Riparian Restoration | Riparian Creation | Riparian Enhancement | Riparian Preservation | Nonriparian Restoration | Nonriparian Creation | Nonriparian Enhancement | Nonriparian Preservation | Coastal Marsh Restoration | Coastal Marsh Creation | Coastal Marsh Enhancement | Coastal Marsh Preservation | Stream Buffer Restoration | Stream Buffer Enhancement | Buffer Restoration Nutrient Offset Only Nitrogen | Buffer Restoration Nutrient Offset Only Phosphorus | BMP Nutrient Offset Nitrogen | BMP Nutrient Offset Phosphorus |          |
|---|--|--------------|--------------------|----------------------|-----------------------|---------------------|----------------------|-------------------|----------------------|-----------------------|-------------------------|----------------------|-------------------------|--------------------------|---------------------------|------------------------|---------------------------|----------------------------|---------------------------|---------------------------|--|--|------------------------------|--------------------------------|----------|
| <b>Beginning Balance (pounds)</b>   |  |              |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              | 1,339.32                       |          |
| <b>Utilize Portion of Buffer Restoration as Nutrient Offset Mitigation:</b>     |  |              |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                |          |
| <b>Adjusted Beginning Balance (pounds)</b>                                      |  |              |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              | 1,339.32                       |          |
| <b>Adjusted Beginning Balance (Nutrient Offset credits - pounds * 30 years)</b> |  |              |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              | 40,179.60                      |          |
| <b>DMS Debits (credits):</b>  |  |              |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                |          |
| DMS ILF ID  | Impact Project Name                            | Municipality |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                |          |
| ILF-2007-5811   | Regency Park Townhomes                         | Cary         |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              | 278.68                         |          |
| ILF-2007-5813   | Raleigh Korean Baptist Church                  | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 190.49   |
| ILF-2007-5814   | Progress Energy Elec Data Ctr                  | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 27.30    |
| ILF-2007-5817   | North Carolina Judicial Center                 | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 161.50   |
| ILF-2007-5816   | Prosser Court 2604                             | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 21.16    |
| ILF-2007-5823   | 705 Lakestone Dr.                              | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 85.80    |
| ILF-2007-5837   | Gaines Office Building                         | Wake County  |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 311.68   |
| ILF-2007-5839   | 161 NW Maynard                                 | Cary         |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 294.46   |
| ILF-2007-5755   | 9500 Durant Road                               | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 217.93   |
| ILF-2007-5848   | Crosstowne Subdivision                         | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 172.80   |
| ILF-2007-5849   | Tail Waggers                                   | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 531.37   |
| ILF-2007-5854   | Townes of Southgate                            | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 1,104.60 |
| ILF-2007-5855   | Lowery Farms                                   | Wake County  |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 61.36    |
| ILF-2007-5858   | 7200 Acc Boulevard                             | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 1,371.93 |
| ILF-2007-5859   | 562 Wimbleton Drive                            | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 4.12     |
| ILF-2007-5860   | Thornton Commons Phase 2                       | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 306.71   |
| ILF-2007-5862   | Cedarmoor Apartments                           | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 35.06    |
| ILF-2007-5721   | Union Baptist Church School & Daycare          | Durham       |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 87.67    |
| ILF-2007-5871   | Windermere Ridge Townhomes Project             | Durham       |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 40.86    |
| ILF-2007-5883   | Glenlake Building IV (Phase 2)                 | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 43.05    |
| ILF-2007-5751   | Dillard Drive Offices second payment- nutrient | Cary         |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 206.76   |
| ILF-2007-5881   | Pepsi Facility Expansion                       | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 224.23   |
| ILF-2007-5882   | NC Specialty Hospital Project, Guess Rd        | Durham       |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 50.32    |
| ILF-2007-5884   | Brier Creek Corporate Center Bldg #6           | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 2,224.09 |
| ILF-2007-5892   | 8102 Upper Lake Drive                          | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 531.05   |
| ILF-2007-5893   | Westborough Lot 21                             | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 282.82   |
| ILF-2007-5241   | Grand Pointe                                   | Garner       |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 135.84   |
| ILF-2007-5898   | Corporate Center Apartments                    | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 149.97   |
| ILF-2007-5597   | Madison Glen II Pool Revision                  | Durham       |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 255.24   |
| ILF-2007-5902   | Autobell - 8309 Falls of Neuse Rd              | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 187.15   |
| ILF-2008-5913   | 2809 Avent Ferry Rd                            | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 63.74    |
| ILF-2008-5914   | 715 Lakestone Drive                            | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 32.22    |
| ILF-2008-5917   | Stonegate Office Building (Revision)           | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 95.15    |
| ILF-2008-5918   | 2605 Prosser Court                             | Raleigh      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 39.11    |
| ILF-2008-5928   | Dillard Drive Offices second payment           | Cary         |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 64.88    |

Mitigation Project Name      Town of Cary BMP  
IMS ID #                              676  
River Basin                          NEUSE  
Cataloging Unit                    03020201  
Project Type                         Nutrient Offset Mitigation

Applied Credit Ratios:

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|               |  |             | Stream Restoration | Stream Enhancement I | Stream Enhancement II | Stream Preservation | Riparian Restoration | Riparian Creation | Riparian Enhancement | Riparian Preservation | Nonriparian Restoration | Nonriparian Creation | Nonriparian Enhancement | Nonriparian Preservation | Coastal Marsh Restoration | Coastal Marsh Creation | Coastal Marsh Enhancement | Coastal Marsh Preservation | Stream Buffer Restoration | Stream Buffer Enhancement | Buffer Restoration Nutrient Offset Only Nitrogen | Buffer Restoration Nutrient Offset Only Phosphorus | BMP Nutrient Offset Nitrogen | BMP Nutrient Offset Phosphorus |          |  |
|---------------|--|-------------|--------------------|----------------------|-----------------------|---------------------|----------------------|-------------------|----------------------|-----------------------|-------------------------|----------------------|-------------------------|--------------------------|---------------------------|------------------------|---------------------------|----------------------------|---------------------------|---------------------------|--|--|------------------------------|--------------------------------|----------|--|
| ILF-2008-5931 | Wakefield Crossing Condominiums        | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              | 766.66                         |          |  |
| ILF-2008-5936 | CarSpa 3707 Capital Blvd.              | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 73.08    |  |
| ILF-2008-5938 | SECU Project, Guess Road               | Durham      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 33.58    |  |
| ILF-2008-5937 | Shoppes at Bedford                     | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 500.16   |  |
| ILF-2008-5939 | White Oak Estates                      | Garner      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 96.29    |  |
| ILF-2008-5955 | Fairview Manor-Lot 40                  | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 55.03    |  |
| ILF-2008-5966 | Heaven & Earth Landscaping             | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 242.31   |  |
| ILF-2007-5670 | Timber Place                           | Garner      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 637.71   |  |
| ILF-2008-5964 | Kreepers and Krawlers Daycare          | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 12.75    |  |
| ILF-2008-5978 | Rowland Business Park Lot 6            | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 155.88   |  |
| ILF-2008-5984 | Advance Auto Cary                      | Cary        |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 165.05   |  |
| ILF-2008-5979 | Tryon Road Townhomes                   | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 771.38   |  |
| ILF-2008-6000 | Glenwood Avenue Retail Site            | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 146.94   |  |
| ILF-2008-5985 | The Tribute                            | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 371.64   |  |
| ILF-2008-5982 | CEI Headquarters                       | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 635.51   |  |
| ILF-2008-6001 | Anderson Pointe (Revised)              | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 153.60   |  |
| ILF-2008-6004 | Little Pros Academy                    | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 907.80   |  |
| ILF-2008-6009 | Alexander Place Lot 3                  | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 384.90   |  |
| ILF-2008-6008 | Alexander Place Lot 2                  | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 179.70   |  |
| ILF-2008-6057 | Forest Ridge Office Bldg - Suppl Pymnt | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 6.75     |  |
| ILF-2008-6021 | 5301 Robbins Drive                     | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 4.17     |  |
| ILF-2008-6023 | 40 Wade, Lot 6                         | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 1,812.81 |  |
| ILF-2008-6034 | Itellicom Offices                      | Durham      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 166.14   |  |
| ILF-2008-6032 | Brier Creek Parcel I-2 (lot 26)        | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 541.80   |  |
| ILF-2008-6036 | Rowland Business Park Lot 7            | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 155.88   |  |
| ILF-2008-6035 | Springmoor Additions                   | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 32.28    |  |
| ILF-2008-6033 | Heritage Pointe Estates                | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 64.21    |  |
| ILF-2008-6051 | Heather Park Child Development (mod)   | Garner      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 14.37    |  |
| ILF-2008-6050 | Springmoor Parking Lot                 | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 141.75   |  |
| ILF-2008-6048 | Extron Electronics                     | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 1,203.79 |  |
| ILF-2008-6072 | Biggerstaff & Crawley Avondale         | Durham      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 135.00   |  |
| ILF-2008-6074 | 3201 Northside Drive                   | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 433.42   |  |
| ILF-2008-6071 | The Lucas Building                     | Wake County |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 580.03   |  |
| ILF-2008-6075 | The Car Place                          | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 243.64   |  |
| ILF-2008-6077 | Addison Reserve                        | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 526.94   |  |
| ILF-2008-6087 | 2506 Anderson Drive                    | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 34.82    |  |
| ILF-2008-6092 | Brightleaf at the Park, Tract 8        | Durham      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 1,054.17 |  |
| ILF-2008-6089 | Ellington Place                        | Durham      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 346.50   |  |
| ILF-2008-6187 | 2607 Village Manor Way                 | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 11.28    |  |
| ILF-2008-6188 | Goodwill Community Foundation Center   | Cary        |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 43.89    |  |
| ILF-2008-6200 | Breezewood                             | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 524.02   |  |
| ILF-2008-6203 | 4050 Poole Road                        | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 719.02   |  |
| ILF-2008-6205 | 1125 Hobson Court                      | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 10.73    |  |

Mitigation Project Name      Town of Cary BMP  
IMS ID #                              676  
River Basin                            NEUSE  
Cataloging Unit                    03020201  
Project Type                         Nutrient Offset Mitigation

Applied Credit Ratios:

1:1   1.5:1   2.5:1   5:1   1:1   3:1   2:1   5:1   1:1   3:1   2:1   5:1   1:1   3:1   2:1   5:1   1:1   3:1   19.163   297.541   1:1   1:1

|               |   |             | Stream Restoration | Stream Enhancement I | Stream Enhancement II | Stream Preservation | Riparian Restoration | Riparian Creation | Riparian Enhancement | Riparian Preservation | Nonriparian Restoration | Nonriparian Creation | Nonriparian Enhancement | Nonriparian Preservation | Coastal Marsh Restoration | Coastal Marsh Creation | Coastal Marsh Enhancement | Coastal Marsh Preservation | Stream Buffer Restoration | Stream Buffer Enhancement | Buffer Restoration Nutrient Offset Only Nitrogen | Buffer Restoration Nutrient Offset Only Phosphorus | BMP Nutrient Offset Nitrogen | BMP Nutrient Offset Phosphorus |        |  |
|---------------|---|-------------|--------------------|----------------------|-----------------------|---------------------|----------------------|-------------------|----------------------|-----------------------|-------------------------|----------------------|-------------------------|--------------------------|---------------------------|------------------------|---------------------------|----------------------------|---------------------------|---------------------------|--|--|------------------------------|--------------------------------|--------|--|
| ILF-2008-6206 | Crescent State Bank                       | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              | 226.09                         |        |  |
| ILF-2008-6207 | St. David's School Gymnasium              | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 406.72 |  |
| ILF-2008-6195 | Shops of New Hope                         | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 591.55 |  |
| ILF-2008-6196 | 3505 Greywood Drive Lots 96-98            | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 30.00  |  |
| ILF-2008-6197 | Glen Stone Lot 3719                       | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 20.22  |  |
| ILF-2008-6198 | Glen Stone Lot 3747                       | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 24.50  |  |
| ILF-2008-6201 | Lowes Foods Gas Kiosk                     | Garner      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 214.80 |  |
| ILF-2008-6204 | Hertz Equipment                           | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 594.30 |  |
| ILF-2008-6234 | O'Reilly Auto Parts                       | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 166.02 |  |
| ILF-2008-6237 | Parkway Professional Phase 3              | Cary        |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 94.28  |  |
| ILF-2008-6227 | Brookridge                                | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 83.65  |  |
| ILF-2008-6229 | Powell Flex Building                      | Cary        |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 314.49 |  |
| ILF-2008-6228 | Bethlehem Baptist Church                  | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 117.11 |  |
| ILF-2008-6224 | 1010 Spring Forest Road                   | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 29.47  |  |
| ILF-2008-6240 | Kirlin Office Bldg                        | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 326.40 |  |
| ILF-2008-6243 | Jenco Concrete Plant                      | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 202.96 |  |
| ILF-2008-6311 | 11720 Coppergate Drive                    | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 77.53  |  |
| ILF-2009-6749 | Cranbrook SD                              | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 51.16  |  |
| ILF-2008-6304 | McDonald's at Timber Drive and Highway 50 | Garner      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 106.80 |  |
| ILF-2008-6302 | West Raleigh Hyatt Place                  | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 761.25 |  |
| ILF-2008-6309 | Southern Comm. Bank & Trust               | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 191.63 |  |
| ILF-2008-6312 | 1701 Whittington Drive                    | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 5.29   |  |
| ILF-2008-6325 | Bank of America                           | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 216.52 |  |
| ILF-2008-6351 | The Commons at Falcone                    | Cary        |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 85.02  |  |
| ILF-2008-6368 | Sure Promise Christian Church             | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 130.25 |  |
| ILF-2008-6372 | Riverview Congregation                    | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 481.91 |  |
| ILF-2008-6373 | Leon Parisoe Subdivision                  | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 9.46   |  |
| ILF-2008-6378 | Raleigh North Christian Center            | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 72.75  |  |
| ILF-2008-6379 | Aversboro Elementary Replacement School   | Garner      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 16.80  |  |
| ILF-2008-6380 | Meredith College                          | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 981.93 |  |
| ILF-2008-6386 | Social Security Administration            | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 125.61 |  |
| ILF-2008-6395 | Genworth                                  | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 616.93 |  |
| ILF-2008-6405 | Sunnybrook Rd Water Storage Tank          | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 86.44  |  |
| ILF-2008-6409 | Chatham Pointe                            | Cary        |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 245.08 |  |
| ILF-2008-6399 | 4618 Pearl Road                           | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 36.34  |  |
| ILF-2008-6420 | Friendship Used Clothing                  | Garner      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 359.70 |  |
| ILF-2008-6407 | Crabtree Chiropractic                     | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 178.56 |  |
| ILF-2008-6403 | Estates at Smith Crossing Rec. Facility   | Wake County |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 106.37 |  |
| ILF-2008-6404 | TT&E Shredder Addition                    | Garner      |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 888.89 |  |
| ILF-2008-6429 | Rowland Park Condos                       | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 210.51 |  |
| ILF-2008-6425 | Rush Metro AME Zion Church                | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 218.28 |  |
| ILF-2008-6434 | O'Reilly Auto Parts                       | Raleigh     |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 169.88 |  |

Mitigation Project Name      Town of Cary BMP  
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 River Basin                            NEUSE  
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|                                    |                                 |         | Stream Restoration | Stream Enhancement I | Stream Enhancement II | Stream Preservation | Riparian Restoration | Riparian Creation | Riparian Enhancement | Riparian Preservation | Nonriparian Restoration | Nonriparian Creation | Nonriparian Enhancement | Nonriparian Preservation | Coastal Marsh Restoration | Coastal Marsh Creation | Coastal Marsh Enhancement | Coastal Marsh Preservation | Stream Buffer Restoration | Stream Buffer Enhancement | Buffer Restoration Nutrient Offset Only Nitrogen | Buffer Restoration Nutrient Offset Only Phosphorus | BMP Nutrient Offset Nitrogen | BMP Nutrient Offset Phosphorus |                 |  |
|------------------------------------|---------------------------------|---------|--------------------|----------------------|-----------------------|---------------------|----------------------|-------------------|----------------------|-----------------------|-------------------------|----------------------|-------------------------|--------------------------|---------------------------|------------------------|---------------------------|----------------------------|---------------------------|---------------------------|--|--|------------------------------|--------------------------------|-----------------|--|
| ILF-2008-6448                      | Wake Chapel Church (generators) | Raleigh |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              | 8.23                           |                 |  |
| ILF-2008-6449                      | Fallon Parrish Townhomes        | Raleigh |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 146.94          |  |
| ILF-2008-6450                      | Embassy Suites revised          | Raleigh |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 788.34          |  |
| ILF-2008-6455                      | Accent Imaging                  | Raleigh |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 132.15          |  |
| ILF-2008-6454                      | El Toro                         | Gamer   |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 438.00          |  |
|                                    |                                 |         |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | 262.57          |  |
| <b>Remaining Balance (credits)</b> |                                 |         |                    |                      |                       |                     |                      |                   |                      |                       |                         |                      |                         |                          |                           |                        |                           |                            |                           |                           |  |  |                              |                                | <b>3,541.44</b> |  |