March 31, 2010

Col. Jefferson Ryscavage, Commander
U.S. Army Corps of Engineers, Wilmington District
P.O. Box 1890
Wilmington, NC 29402-1890
Attn: Scott C. McLendon

Re: Memorandum of Agreement (MOA) Quarterly Report

Dear Col. Ryscavage:

The Ecosystem Enhancement Program (EEP) is pleased to submit the Third Quarterly Report of State Fiscal Year 2009-2010 to the U.S. Army Corps of Engineers (USACE), Wilmington District. This Quarterly Report addresses the period beginning Jan. 1, 2010 and ending March 31, 2010. The materials presented within provide information as required under Section VII, Part B of the Memorandum of Agreement among the USACE, the N. C. Department of Transportation (NCDOT) and the N.C. Department of Environment and Natural Resources (NCDENR), signed into effect on July 22, 2003. The following actions occurred this quarter:

- Throughout this quarter, EEP continued to coordinate matters relative to new federal rule requirements. USACE and EEP have held and continue to hold meetings to determine how to achieve the objectives of the new rule.

- EEP continued to transfer credits to NCDOT on case-by-case basis to draw down surplus assets, a decision that resulted from the August 2007 workshop.

- Overall conformance remains in excellent standing. Details are provided in this Quarterly Report. EEP remains committed to the success of this innovative partnership. We appreciate the continued leadership provided by your office.

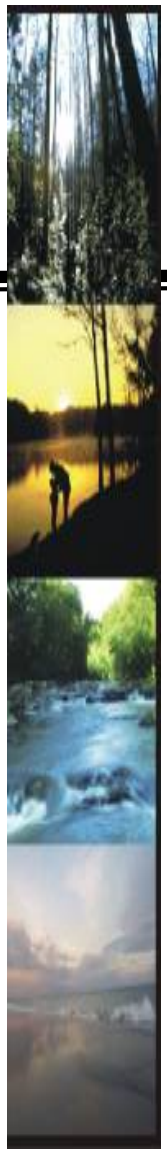
Please contact me should you have any questions regarding this report.

Respectfully,

William D. Gilmore, PE
Director, Ecosystem Enhancement Program

cc: David Knight, Assistant Secretary for Natural Resources, NCDENR
Terry Gibson, Highway Administrator, NCDOT

North Carolina Department of Environment and Natural Resources



ECOSYSTEM ENHANCEMENT PROGRAM

QUARTERLY REPORT

Jan. 1 through March 31, 2010

Ecosystem Enhancement PROGRAM

NCDENR

Ecosystem Enhancement Program Quarterly Report
Jan. 1 through March 31, 2010

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i. Introduction

This report covers the period beginning Jan. 1, 2010 through March 31, 2010. This report documents the quarterly status of both the Memorandum of Understanding (MOU) between NCDENR and USACE established in 1998 and Memorandum of Agreement (MOA) among NCDENR, USACE and NCDOT, signed July 22, 2003, and combines reporting into a single document. It is expected that the format of this report will evolve as improvements and adjustments are suggested and made by USACE and other interested parties. For more information about the agreements, visit our Web site at www.nceep.net.

ii. Report Structure

This report is broken into seven main sections:

SECTION I. EEP Restoration, Enhancement, Creation and Preservation Projects- This section reports the EEP stream and wetland restoration, enhancement, creation and preservation projects that have been developed under the MOA and MOU ILF programs. This section lists EEP projects provides a summary of Gross Assets and a summary of Net Assets.

SECTION II. MOA– This section details specifics regarding the MOA program.

SECTION III. MOU ILF– This section details specifics regarding the MOU ILF program.

SECTION IV. Planning– This section summarizes watershed planning efforts during the quarter.

SECTION V. Monitoring– This section summarizes project-monitoring efforts during the quarter.

SECTION VI. Compliance Action Strategies by Cataloging Unit– This section discusses the specific action strategies EEP has in place to address any outstanding mitigation needs in the various river basins and cataloging units (CUs) in North Carolina.

SECTION I:
EEP RESTORATION, ENHANCEMENT, CREATION AND PRESERVATION PROJECTS

Section I is a report on the status of the restoration, enhancement, creation and preservation projects developed by the Ecosystem Enhancement Program. High Quality Preservation (HQP) projects are also summarized independently of EEP's other restoration, enhancement and preservation projects.

EEP GROSS ASSETS

Currently, EEP has assets exceeding 1,742,311 linear feet of stream and 20,5770.1 acres of wetlands. In addition to these, EEP has instituted HQP assets equaling 1,240,105.5 linear feet (over 234 miles) of streams, 7,087.47 acres of riparian wetlands, 1,489.64 acres non-riparian wetlands, and 16.6 acres of coastal marsh wetlands.

EEP projects originate from three main areas:

1. Projects that were initiated by NCDOT;
2. Projects that were initiated by the NCDENR Wetlands Restoration Program; and
3. Projects that have been initiated by EEP.

Appendix A: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites – Gross Asset Project List contains a complete listing of the current EEP individual stream and wetland restoration, enhancement, creation and preservation projects as of March 31, 2010, by river basin and eight-digit CU. (HQP sites are not listed in this table.)

All of the projects listed in Appendix A have had their mitigation credits transferred to or originated from EEP. For former NCDOT projects that had completed construction prior to the formation of EEP, only the *undebited* remaining restoration, enhancement or preservation feet/acres were transferred. Thus Appendix A only shows the transferred restoration, enhancement or preservation remaining for these projects (i.e., the assets that had not been utilized by NCDOT). In some cases, former NCDOT projects had no remaining credits associated with a specific project. These projects are listed as having no gross assets in Appendix A. All of the other types of projects show the gross amount of restoration, enhancement or preservation associated with these projects. These numbers are subject to change as design or monitoring results are received.

Projects initiated (but not completed/not debited) by NCDOT's Project Development and Environmental Analysis Branch prior to the inception of the EEP are in various stages of implementation. EEP staff is currently managing these projects. EEP will use these mitigation credits according to the guidelines of the Tri-Party MOA. The projects that were initiated by NCDOT as full-delivery projects are currently under contract with NCDOT but are available for debiting for the purposes of EEP, as determined by credit-release schedules.

Projects that were initiated and developed by the staff of the NCDENR Wetlands Restoration Program have been acquired as defined by the 1998 MOU between USACE and NCDENR, or the 2003 EEP Tri-Party MOA.

EEP GROSS ASSET SUMMARY

Appendix B: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites – Gross Asset Summary is a summary of the gross assets by river basin, CU and program (MOA or MOU ILF). Appendix B total assets owned by program. Appendix B also provides grand totals for the entire state. These numbers are subject to change as design and/or monitoring results are received or as new projects are added into the program. Also, as stated above, former NCDOT sites that were completed and partially debited prior to the formation of EEP contain only the remaining credits from each site. This means that only the remaining credits (as determined by NCDOT and USACE) were summarized in this table for NCDOT transferred projects.

EEP NET REMAINING ASSETS

Appendix C: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites – Net Asset Summary (in Credits) is a summary of the remaining assets associated with restoration, enhancement, creation and preservation projects that EEP currently has available to meet future compensatory mitigation requirements. The remaining assets are summarized for the MOA and MOU ILF programs, respectively. Note that the assets have been converted into restoration and restoration equivalent credits in this table. The amounts of mitigation provided in the table are the total remaining amount of mitigation available to a particular project over time. Where credit-release schedules have been established, EEP will debit from these projects accordingly. Note that these credits can also be considered currently available advanced mitigation credits, though the level of advancement varies from instituted to complete.

Also note that amounts of mitigation for any project may change from the current snapshot as additional design and monitoring information becomes available, or as mitigation units are refined as per the goals set forth in the current Tri-Party MOA as amended in 2007.

HIGH QUALITY PRESERVATION GROSS ASSETS

Appendix D1: Tier 1 High Quality Preservation (HQP) Sites – Gross Asset Project List displays all HQP that EEP has acquired since July 2003 by ecoregion. All HQP assets are MOA assets. Gross stream and wetland feet or acreages are subject to change as additional survey work is completed on these sites. EEP has protected more than 1,240,105.5 feet of stream (234 miles), along with 7,087.47 acres of riparian wetland, 1,489.64 acres of non-riparian wetland and 16.6 acres of coastal marsh through HQP.

No new HQP closings were completed during the quarter.

Appendix D2: Tier 1 High Quality Preservation Sites – Gross Asset Summary lists balances by ecoregion.

HIGH QUALITY PRESERVATION NET REMAINING ASSETS

Appendix E1: Tier 1 High Quality Preservation Sites – Net Asset Summary lists the net remaining HQP assets available for future debits by ecoregion. Currently, all HQP assets are located in the MOA Program. Gross stream and wetland feet or acreages are subject to change as additional survey work is completed on sites.

More than $74 million has been spent to date to protect these conservation lands.

Across the state, EEP has net HQP assets of 852,923.5 linear feet (more than 161 miles) of streams, 6,534.29 acres of riparian wetlands, 1,193.4 acres non-riparian wetlands, and 16.6 acres of coastal marsh wetlands. These assets include properties secured with recorded option agreements, permanent conservation easements, and fee simple purchases.

Projections indicate that most of these net HQP mitigation units will be fully utilized within the current TIP.

To further the goal of no net loss of aquatic resources, utilization of these preservation sites will be accompanied by restoration-type mitigation projects within the same watershed where impacts occur.

SECTION II:
TRI-PARTY MEMORANDUM OF AGREEMENT (MOA)

This section of the report provides specifics with regard to the EEP Tri-Party MOA. Specifically, this section describes the current EEP mitigation acceptances under the MOA, the debits that have been made thus far, the schedule for future debits, and the remaining projected impacts that NCDOT has supplied that may indicate when future requirements may occur.

MOA GROSS AND NET ASSETS

Both gross and net assets are listed in appendices B and C as described in Section I.

MOA CURRENT MITIGATION REQUIREMENTS, DEBITS, AND COMMITMENTS

This section describes EEP's current regulatory requirements, debits and commitments for the MOA program. EEP, regulatory agencies and NCDOT follow rigorous procedures in order for EEP to assume mitigation responsibility for NCDOT-permitted impacts.

In accordance with the Tri-Party MOA, NCDOT forecasts impacts associated with each of its transportation projects with a construction schedule within the next seven years. EEP uses this projected impact information to develop restoration, enhancement, creation and preservation projects sufficient to meet mitigation needs and timelines. Approximately six-to-nine months in advance of an individual NCDOT transportation project letting, NCDOT formally submits a request to EEP to provide the mitigation. EEP reviews each request and submits acceptance letters to NCDOT and the regulatory agencies for each project where EEP assumes mitigation responsibility. These acceptance letters are used during NCDOT's permitting process. Typically, there is a three-to-six month time period between EEP's acceptance letters and the permit issuance. The permit specifies the responsible party (EEP for off-site mitigation), location, amount and type of the mitigation. Prior to permit issuances, all EEP-issued acceptance letters are considered "commitments." After permit issuances, EEP's commitments are transformed into mitigation "requirements." The permit issuance date determines the timeframes when EEP must provide the mitigation (this timeframe is often called the debit-due date).

On June 8, 2007, Section X of the Tri-Party MOA was amended, changing the future mitigation debit-due dates and mitigation milestones. For MOA permits issued in MOA Year 7 (July 1, 2009 through June 30, 2010), the debit-due date is June 30, 2010. (For MOU permits issued in MOA Year 7, the debit-due date is June 30, 2011.)

Appendix F is a series of five tables listing data for MOA Mitigation Requirements, Debits, and Commitments.

F1- MOA Permit Requirements and Debits lists all mitigation requirements that were due as of March 31, 2010, and lists mitigation debits that have been made to offset those requirements.

F2- MOA Year 6 Mitigation Requirements lists projects for which permits have been accepted, issued and received by EEP in MOA Year 7. Mitigation for these projects will be due on June 30, 2010.

F3- MOA Year 6 Mitigation Requirements Summary summarizes mitigation requirements for projects listed in Appendix F2.

F4- MOA Mitigation Commitments List includes projects for which EEP has issued mitigation acceptance letters, but permits have not yet been issued/received. The mitigation due date is determined by permit-issuance date and Section X of the 2007 TriParty MOA. Since these projects have not yet been permitted, mitigation has not yet been required. However, EEP has applied some credits in advance. The table lists the HQP sites that have been debited and applied in advance of the official mitigation due date.

(Note: Impacts and mitigation requirements listed in table F4 are projections only. The actual finalized impacts and mitigation requirements will not be known until permits are issued. However, the table does list the amount of mitigation that EEP has thus far committed to provide for these projects as detailed in EEP's mitigation acceptance letters.)

F5- MOA Mitigation Commitments Summary summarizes the list of commitments detailed in Appendix F4.

MOA FUTURE REQUIREMENTS

Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts is a summary of the NCDOT mitigation order shown as impacts associated with NCDOT's seven-year TIP. Appendix G is summarized by river basin, CU and MOA impact year. The data in Appendix G originates from the original seven-year impact forecast submitted by NCDOT to EEP in February 2010. Some of the individual project impact projections have been updated by more recently collected field data. These revised impacts were submitted by NCDOT on a project-by-project basis over the last quarter. Appendix G has also been updated to show only the remaining forecasted impacts covering the seven-year projection time period. In other words, since February 2010 some of the original forecasted impacts are no longer forecasts, as NCDOT has formally requested that EEP accept mitigation responsibility for specific impacts associated with the transportation projects. Appendix G summarizes only those projects where NCDOT has yet to request mitigation or where EEP has not yet formally accepted mitigation responsibility. NCDOT divisions were unable to provide impacts by individual MOA Year and developed a lump-sum estimate for seven years. This lump-sum amount was spread evenly through each of the seven TIP years.

All projects that were projected to occur in MOA Years 1, 2, 3, 4, 5, or 6 and that were not accepted or permitted during these periods are now considered as MOA Year 7 impact projections.

The TIP list is a dynamic list where individual project let dates frequently move in time. Major accelerations or volatility of project lettings or impact projections could result in major changes to EEP's potential mitigation requirements and EEP's procurement strategies.

MOA FUTURE EXPECTATIONS

Due to the current economic conditions and organizational changes to NCDOT, the current Transportation Improvement Plan (TIP) has undergone significant changes from previous TIPs. The current TIP is composed of a 5 Work Program and a 6-10 year Resource Plan. Currently, mitigation forecasts are only available for the 5 Year portion of the TIP. Information regarding the 6-10 year portion of the TIP is unavailable as the projects that will be let in those years have not been finalized. NCDOT is working hard to identify the future TIP projects and anticipates providing that information to EEP late 2010 to early 2011. EEP will be unable to procure mitigation for these 6-10 year projects until the mitigation needs are identified by NCDOT. This forecasting delay has not yet caused any issues with procuring mitigation in accordance with the required timeline detailed in the MOA. However, the initiation date for procuring mitigation for some of these TIPs (if additional mitigation is needed) is coming soon and further delays may impact the how far advanced the mitigation is related to the TIP let date.

EEP and NCDOT continue to hold bi-weekly meetings to identify potential utilization and/or reduction of surplus credits. When appropriate, EEP transfers credits to NCDOT for use a permittee-provided case-by case mitigation or utilization in the NCDOT umbrella bank.

Appendix H: MOA Net Asset Balances (Surplus and Deficits) demonstrates the current health of the program by showing the current net surpluses and deficits associated with the MOA program as of March 31, 2010.

As shown in **Appendix C**, EEP has obtained a program-wide 631,893 advance stream credits, 2,728.02 advance riparian wetland credits, 6,115.30 advance non-riparian wetland credits and 131.6 advance coastal marsh wetland credits. Of these amounts, the MOA program has advanced 592,442 stream credits, 2,529.31 riparian credits, 6,027.19 non-riparian credits, and 127.01 coastal marsh credits. These summaries do not include the advance and unused HQP assets which are shown in Appendix E1. These credits are advance credits that will be applied to future permits as mitigation is needed.

MOA CONFORMANCE

During the third quarter, all MOA conformance remained unchanged since the last quarter. MOA conformance remained unchanged with coastal marsh and stream at 100 and 99.93 percent respectively. Riparian conformance remained at 99.79 percent, and non-riparian conformance remained at 98.58 percent.

The current outstanding stream, riparian wetland and non-riparian wetland mitigation for Quarter 3 is 160.6 stream credits, 0.41 riparian credits, 6.3 non-riparian credits and zero coastal marsh credits. There are 16 requirements needing additional mitigation.

A complete listing of the MOA permit requirements not in full conformance is listed in **Appendix I: MOA Outstanding Permit Mitigation Requirements**. Seventeen of the outstanding permits needing additional mitigation have been partially fulfilled. EEP's Conformance Action Strategies for outstanding mitigation requirements are detailed in Section VI.

SECTION III:
MEMORANDUM OF UNDERSTANDING In-Lieu Fee (MOU ILF) Program

MOU ILF ASSETS – GROSS AND NET ASSETS

Both gross and net assets are listed in appendices B and C as described in Section I.

MOU ILF PRESENT AND FUTURE QUARTER MITIGATION REQUIREMENTS

The MOU ILF program had no new requirements that became due this quarter. A complete summary of the requirements that became due is listed in **Appendix J: MOU ILF Present and Future Quarter Mitigation Requirements**. Appendix J also lists requirements that will become due over the next quarter. The requirements associated with the MOU ILF Program do not include mitigation related to the Tri-Party MOA.

MOU ILF NET ASSET BALANCES

Unlike the Tri-Party MOA program, the goal of which is to develop assets up to seven years in advance of permitted impacts, the MOU ILF program is designed to produce instituted mitigation assets one year from the permit year in which a permit is issued.

Another major objective of the MOU ILF program is to have MOU ILF applicants pay the actual costs incurred for operating the MOU ILF program. Together, these two goals result in a delicate balance of building assets in just the right sizes and just the right amounts in each of the CUs to offset permitted requirements, while maintaining sufficient funds to pay for the required mitigation projects. In order to capitalize on efficiencies of scale, restoration project sizes tend to be large. On the other hand, MOU ILF mitigation requirements tend to be very small. Thus, there is always the potential to create surplus assets in some CUs and deficits in other CUs. The MOU ILF program is at optimal performance when there are zero surplus assets and zero requirement deficits, and sufficient remaining funds to pay for existing projects.

The current net MOU ILF program asset balances (surplus and deficits) are shown in Appendix K: MOU ILF Net Asset Balances (Surplus and Deficits). The MOU ILF program has produced a net statewide asset balance of 24,162 stream credits, 196.94 riparian wetland credits, 70.63 non-riparian wetland credits and 4.39

coastal marsh wetland credits. All net asset balances increased from the previous quarter except for coastal marsh wetland credits, which remained constant.

*(Note: The total amounts of MOU ILF available unused credits are shown in **Appendix C.** The available unused credits are larger because outstanding requirements (deficits) are not considered in Appendix C.)*

MOU ILF CONFORMANCE

The amount of conformance (as measured in number of permit requirements met) increased during the current quarter with two additional requirements. At the end of this quarter, 95.48 percent of all requirements were fully met.

As of March 31, 2010, the MOU ILF program had 1,195 total requirements. Of these, 1,141 are conformant, 11 are in partial conformance and 43 are in nonconformance. Therefore the EEP has 95.48 percent of all MOU ILF requirements in full conformance, 0.92 percent in partial conformance and 3.60 percent in nonconformance. Of the current 54 nonconformant requirements, 43 are related to wetland requirements, including one coastal marsh, and 11 are related to stream requirements.

The magnitude of outstanding stream requirements decreased this quarter. At the end of the last quarter, EEP had not met 15,749.42 credits of stream mitigation. As of March 31, 2009, the remaining outstanding stream mitigation needs were 15,289.41 stream credits. Stream compliance (as measured by magnitude) in the MOU ILF program increased from 96.64 to 96.73 percent.

The magnitude of outstanding riparian credits remained constant at 1.76. The magnitude of outstanding non-riparian credits decreased from 18.33 to 17.48 credits and coastal marsh wetland remained at 0.2 credits. Wetland compliance (as measured by magnitude) in the MOU ILF program increased from 97.15 to 97.27 percent.

A complete listing of the permit requirements not in full conformance is listed in **Appendix L: MOU ILF Outstanding Permit Mitigation Requirements**. A narrative addressing EEP action plans for nonconformant CUs is included in this report in Section VI.

MOU ILF FUTURE EXPECTATIONS

The status of the MOU ILF program is expected to be improve over the course of the next fiscal year. On Aug. 31, 2009, EEP requested approval to address multiple requirements using the small impacts policy. EEP expects a decision regarding these requests in the next quarter (see Section VI below for details). Additional buying and selling of excess assets between the MOA and MOU ILF programs is expected to continue. These transactions will result in improved conformance capabilities and cost efficiencies for both programs.

SECTION IV:

PLANNING

In Quarter 3 EEP began the following watershed planning initiatives:

- Updates to unify the River Basin Restoration Priorities (RBRPs) process throughout the three regions.
- Phase III (developing Watershed Management Plan recommendations and finalizing Project Atlas) for the Indian Creek and Howards Creek Local Watershed Plan (LWP).
- Phase III project identification for Franklin to Fontana LWP.

EEP continued the following initiatives:

- Targeted Local Watershed (TLW) delisting strategy development.
- Phase I of the Wake-Johnston Collaborative LWP. Convened the Technical Advisory Committee and General Advisory Committee and developed draft Preliminary Findings Report.
- Neuse & White Oak RBRPs: analyzing Watershed Attribute Matrices, conducting field tours of candidate TLWs, meeting with local resource professionals, and soliciting input on priority watersheds for restoration.
- Phase IV activities in the Upper Neuse Watershed Plan which includes Lick, Little Lick, Lake Rogers/Ledge Creek and Ellerbe Creek LWPs in Neuse 01. Staff assessed an additional eight sites in Lake Rogers/Ledge Creek. All the local municipalities have agreed to work with EEP through a Letter of Intent.
- Phase IV activities within three existing LWP areas of Catawba 01. This work includes the identification and ranking of mitigation opportunities within the Lower Creek and Hunting Creek watershed, and landowner outreach on the most promising project sites within these watersheds.
- Phases II and III of Indian and Howard's Creek LWP in Catawba 02. EEP held the eighth LWP stakeholder meeting in Lincolnton on Jan. 12, 2010. This plan is being done in part to meet wetland and stream mitigation needs in Catawba 03. Phase III products (final Watershed Management Plan and final Project Atlas) should be completed by May 2010.
- Phase III of Fishing Creek LWP including revisions of the Draft Watershed Management Plan developed by WK Dickson.
- Collaboration with the Coastal Habitat Protection Plan implementation workgroup.
- Collaboration with the Submerged Aquatic Vegetation State Mapping workgroup and continued work with the Restoration Subcommittee.
- Phase IV activities in the Lower Creek LWP, working with the Lower Creek Advisory Team to identify collaborative restoration opportunities.
- Phase IV work in Catawba 03 to assess and identify nontraditional mitigation opportunities to accommodate unmet wetland mitigation needs. This strategy has been presented to the PACG-TC for approval and a decision is pending.

- Collaborative work with the U.S. Fish and Wildlife Service and other state and federal agencies on aquatic organism passage in the Little Tennessee River basin.
- Participation in the Chatham County Partnership to help promote implementation of the Rocky River LWP and identify wetland restoration opportunities.
- Phase IV efforts in the Muddy Creek watershed in McDowell County (Catawba 01), performing landowner outreach for priority restoration projects.
- Phase I of Great Coharie LWP including watershed assessment, subwatershed characterization and development of a draft stressor list.
- Phase II water quality monitoring, GIS and field assessment activities for the Franklin to Fontana LWP.
- Providing technical assistance to support development of a watershed restoration plan in Rocky River (Cape Fear) on a grant led by NCSU's Watershed Education for Communities and Officials (WECO).
- Fecal coliform monitoring and channel assessment to support a non-EEP watershed planning effort in the Hunting Creek watershed.
- Updates to EEP's functional assessment planning guidance document.
- Continued negotiations for the acquisition of Bobs Pocket, a large preservation project in the Muddy Creek LWP area.
- Developed a set of potential stream restoration projects in the Garden Parkway corridor of Gaston County.

EEP <u>completed</u> the following initiatives:

- Updates to the Program's web site specific to Watershed Planning (http://www.nceep.net/pages/lwplanning.htm)
- Phase I efforts on the Goose and Crooked Creek LWP in Yadkin 05. Phase II work is expected to begin April 2010.
- Phase II (Watershed Assessment Report) for the Indian Creek and Howard's Creek LWP.

SECTION V:
MONITORING

During Quarter 3 of 2009-2010, the EEP Monitoring Section engaged in the following tasks:

January 2010:

- Monitoring Report review
- Monitoring Report Template revision
- Monitoring contract scoping letters (18 firms)
- Met w/USGS
- APHIS Coordination meeting
- Field review of various DBB and FD projects with Guy and Tim, Jan. 26-28

February 2010-

- Monitoring report review
- Uncertainty in Asset Valuation meeting
- Murphy Farm (Bear Swamp Creek) site visit- resolved 2008 closeout contingency
- Wake-Johnston stream cross-section training
- Thread list meeting prep
- CVS contract prep
- Buffer audit follow-up
- Review and approve monitoring scopes

March 2010

- Thread list meeting with EEP Senior staff
- Monitoring report review
- Review and approve monitoring scopes
- Various maintenance site visits
- Site visits with WPPI staff for monitoring reports
- Monitoring staff coordinated with WRC and Dan River Nursery
- Regulatory wetland definition site visit
- CVS management
- Removed Gauges from White Oak
- Monitoring staff coordinated replanting at Benbow, Brown Bark, Spring Valley and Prestonwood, included staff for replanting at Prestonwood
- Big Harris Field review
- Met with DOT re: CVS
- Presentation to Duke University class
- Prepare and submit monitoring, maintenance, and equipment info for Biennial Budget

USGS 8-DIGIT CATALOGING UNITS- NORTH CAROLINA

SECTION VI:
EEP COMPLIANCE ACTION STRATEGIES BY CATALOGING UNIT

ACTION STRATEGIES FOR NONCOMPLIANT CUs

CAPE FEAR 03030002

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	2,087.5	0
Riparian	0	0
Non-riparian	1.031	0.741
Coastal Marsh	0	0

Background:
Cape Fear 03030002 is a high-demand CU for stream and wetland mitigation. Even with the high demand for stream mitigation credits, EEP has maintained compliance for meeting stream mitigation requirements until recently. This is due in part to a slight drop in available stream mitigation credits in the CU and the delay in implementing new stream projects because of the uncertainty associated with the recent legislation on EEP's future ability to sell mitigation credits in areas of the state with private mitigation banks. Non-riparian wetland impacts are inconsistent, most likely due to the relative scarcity of non-riparian wetlands in the watershed.

CU Immediate Action Plan:
EEP issued a Full Delivery Request for Proposals (FD RFP) in this watershed in November 2009 for warm streams, riparian wetlands and non-riparian wetlands. The FD RFP technical proposals are due into EEP in March 2010 and suitable mitigation sites (up to the requested amount) will be contracted by end of the state fiscal year. Additionally, the EEP WPPI Section is investigating opportunities for procuring and implementing stream mitigation needed in this CU. EEP has been active in this CU in the past in the development of three LWPs. Two of the plans are complete with a low likelihood of securing additional mitigation sites. One plan still has some new site potential, which is where EEP intends to focus efforts to meet this noncompliant need. Also, depending on future mitigation needs by the NCDOT, EEP may consider developing a new LWP in this watershed.

EEP submitted a request to USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the MOU amendment Number 1, Section IV Paragraph K dated March 8, 2007) to debit non-riparian wetland mitigation credits available in the adjacent CU for the current outstanding non-riparian wetland mitigation requirement. Up until 2009, EEP had actively searched for suitable non-riparian wetland mitigation sites in the CU with very little success.

If the small impact policy proposal is not approved and if the request for FD RFP projects is unsuccessful, then the EEP WPPI section will be reassigned responsibility for procuring non-riparian wetland mitigation credits to meet the current outstanding requirement.

CU Long-Range Action Plan:
There is no longer a large-scale non-riparian wetland mitigation need; however, because of the difficult nature of locating suitable non-riparian wetland mitigation sites, EEP's request for FD RFP projects included sufficient stream and wetland mitigation to meet noncompliant needs, as well as a portion of future NCDOT mitigation needs. EEP WPPI will continue to search for potential sites until the FD RFP proposals are received and reviewed.

CAPE FEAR 03030003

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	2.73	0
Coastal Marsh	0	0

Background:
The LaGrange mitigation site was the only mitigation site in this CU that provided non-riparian wetland mitigation. The project was dropped during the first quarter because of the substantial drop in anticipated non-riparian wetland restoration credits the site would provide, and the increase in cost per credit was no longer within a practical budget.

The LaGrange site was transferred to EEP from NCDOT to implement the design of the site based on a feasibility study. During the review of the feasibility study, a calculation error of the site's hydrology was discovered that dramatically decreased the potential wetland credits associated with the site. After discussion with NCDOT, a decision to go forward with the project was made even though the drop in credits was substantial. As the design of the site progressed, the cost per credit and the overall risk of failure kept rising and additional discussions between NCDOT and EEP were held. EEP and NCDOT agreed that going forward with this mitigation site would not be in the best interest of meeting the non-riparian wetland mitigation needs.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the MOU Amendment Number 1, Section IV

Paragraph K dated March 8, 2007 and the MOA Amendment Number 2, Revised Section X, Paragraph E) to debit non-riparian wetland mitigation credits available in the adjacent CU for 2.4 non-riparian wetland credits of the current outstanding non-riparian wetland mitigation requirement. The requested amount was due over a span of four years. An additional 0.33 non-riparian wetland mitigation credits came due during the previous quarter. EEP will propose to utilize the small impacts policy (as referenced in the MOU Amendment Number 1, Section IV Paragraph K dated March 8, 2007) at the end of the current state fiscal year.

CU Long-Range Action Plan:
The future projected non-riparian wetland mitigation needs in this CU decreased based on NCDOT's February 2009 impact projections. Based on the revised impact data, there is no longer a need for a large amount of non-riparian wetland mitigation. EEP plans to identify and implement a small non-riparian wetland mitigation site if the small impact policy is not approved.

CAPE FEAR 03030007

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	297	71
Riparian	0	0
Non-riparian	0	0
Coastal Marsh	0	0

Background:
Since the beginning of Wetlands Restoration Program, there have been a total of 36 mitigation requirements through the MOU and MOA (seven stream and 29 wetland requirements). The majority of the stream requirements occurred prior to the creation of EEP and there were two stream mitigation projects with sufficient credits to meet all of the needs.

During the current state fiscal year, EEP dropped one of the mitigation projects producing stream mitigation credits after the property owner of the site decided he was no longer interested in the proposed work on the property.

CU Immediate Action Plan:
The EEP WPPI Section is actively attempting to procure and implement the stream mitigation needed in this watershed. The current noncompliant stream amount and future anticipated stream needs in this CU are currently too small to consider advertising for a FD RFP. EEP has begun searching for a replacement stream mitigation site using the existing Local Watershed Plan as a starting point. There has been very little activity in this CU over the last few years because EEP

had sufficient stream and wetland mitigation credits to meet the current and anticipated future mitigation needs.

CU Long-Range Action Plan:
The future projected stream mitigation needs in this CU are very small.

CATAWBA 03050101

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	3,786
Riparian	0	0
Non-riparian	0	2.03
Coastal Marsh	0	0

Background:
Stream and wetland mitigation needs in Catawba 03050101 have remained steady over the last few years under WRP and now EEP. Because of the high amount of development and road-improvement projects located within this CU and the ability to utilize some of the Catawba 03050101 mitigation credits in Catawba 03050103, the overall needs for both wetland and stream mitigation in Catawba 03050101 have risen. EEP anticipates this trend to continue for the foreseeable future. The current noncompliant stream mitigation is due to a recently identified stream mitigation requirement.

CU Immediate Action Plan:
EEP issued a FD RFP in November 2009 for streams, riparian wetlands and non-riparian wetlands. The technical proposals are due in March 2010 and EEP anticipates any suitable mitigation project will be under contract before the end of the state fiscal year. Additionally, EEP is actively seeking to procure and implement wetland and stream mitigation projects in this CU. EEP has been very active in contacting landowners in this CU to locate suitable areas to conduct stream and wetland mitigation activities based on watershed planning. There are several stream mitigation projects that will be acquired and designed in the near future, and should be available within the next six months with sufficient credits to meet the outstanding stream needs listed above. The outstanding mitigation requirement was mistakenly reported in the 2009-2010 Quarter 2 report as riparian wetland mitigation; however, the outstanding wetland mitigation requirement is non-riparian wetland mitigation.

CU Long-Range Action Plan:
EEP plans to continue locating suitable areas to conduct stream and wetland mitigation activities based on watershed planning by contacting landowners to implement the projects needed to meet the projected future needs in this CU. Also because of the continuing high demand for stream and wetland mitigation for both Catawba 03050101 and 03050103, issuance of future FD RFPs are expected periodically in this cataloging unit.

CATAWBA 03050103

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	2.642	0.593
Coastal Marsh	0	0

Background:
Catawba 03050103 is a very difficult CU for producing compensatory mitigation for streams and wetlands. Catawba 03050103 is comprised mostly of the greater Charlotte metropolitan area. Most streams in Catawba 03050103 are degraded and have experienced the growing pains of urbanization and, more recently, suburban sprawl. Urbanization presents challenges in producing stream mitigation projects because of arduous constraints often in place along these streams. Typical constraints include sewer lines along and in the streams; residential, industrial and commercial development in the floodplain; FEMA regulated streams; hazardous waste; stormwater outlets; unknown pipe outlets; local ordinances; leaking sewer lines; chemical spills; local landfills within the stream; the relative large size of streams per acre watershed; large numbers of landowners per potential project site; etc. Each of these constraints limits the type and size of the potential stream restoration mitigation project, and also significantly increases the cost of these projects. Nevertheless, EEP has worked closely with Mecklenburg County, the City of Charlotte and the regulatory agencies to produce adequate stream mitigation projects to compensate for impacts. However, since impacts are continuing at a consistent rate, it is unlikely that EEP can continue to produce traditional stream mitigation projects within the CU at the same rate that mitigation requirements are being produced.

Wetlands restoration is extremely limited within this CU. Nearly all of remaining wetlands within the CU are located along large river floodplains, or are relatively small mafic-type depressional wetlands. These wetlands are continually being impacted, as development and urbanization is occurring at very high levels within this CU. Restoration opportunities for these types of wetlands do not exist in any significant quantity within this CU. Most of the historical wetlands loss is

currently occupied either by development or located along riparian systems. Wetlands restoration along riparian systems is also typically not possible because the streams are regulated under stringent FEMA no-rise regulations. In order to perform most riparian wetlands restoration, the stream level often needs to be elevated so that the stream can access its historic floodplain. FEMA and local regulations make this exceedingly difficult in most of this CU. Also, raising flood elevations is problematic because of the amount of floodplain development located in this CU. Finally, locating suitable wetlands restoration opportunities has been made more difficult because of soil mapping in Mecklenburg County. The current Mecklenburg Division of Soil and Water soil map has not indicated any hydric A soils. While hydric A soils certainly exist in Mecklenburg, the maps do not detail their locations. Typically, floodplains are mapped as Monacan soils, which often have hydric inclusions.

The overall degree of difficulty in identifying stream and wetland restoration opportunities is reflected in the results of all of the FD RFPs issued by EEP and WRP. There have been multiple RFP requests over the years with very few projects that were technically suitable. In 2006, the regulatory agencies recognized the difficulty of providing mitigation in this watershed when it expanded the service area of Catawba 03050103 to include the Catawba 03050102 CU and the lower portion of Catawba 03050101 CU (falling within or partially within the Southern Outer Piedmont Ecoregion).

To date, there have been 59 requirements paid and now due in either the MOU or MOA programs for mitigation in Catawba 03050103. Of these, 41 have been stream requirements, 14 riparian wetland requirements and four non-riparian wetland requirements. The MOA program has one stream mitigation requirement, one riparian wetland mitigation requirement and one non-riparian wetland mitigation requirement in Catawba 03, and the remaining stream and wetland requirements are in the MOU program. Currently, all 41 stream mitigation requirements have been fully met. There are a total of 18 wetland requirements (14 riparian wetlands and four non-riparian wetlands) for the MOU and MOA programs which total 25.878 wetland credits. All of the riparian wetland requirements are fully met, and the non-riparian wetland requirements remain outstanding. Of the total 25.878 wetland mitigation credits required, EEP has fulfilled 21.903 wetland credits. The remaining unfulfilled wetland mitigation requirements are associated with the four non-riparian wetland requirements.

CU Immediate Action Plan:
To achieve the remaining outstanding mitigation requirements, EEP is actively pursuing a number of traditional and alternative strategies:

1. In November 2009, EEP issued a FD RFP for streams, riparian wetlands and non-riparian wetlands utilizing the expanded service area. The technical proposals are due in March 2010 and EEP anticipates any

suitable mitigation project will be under contract before the end of the state fiscal year.

2. EEP initiated a survey of Catawba 03030102 for additional wetland restoration opportunities. There are several potential projects in development that could be utilized toward meeting the wetland requirements.

3. Potential implementation of nontraditional projects based on the Charlotte LWP Initiative. Numerous sites identified through this planning effort have yielded nontraditional wetland and stream mitigation opportunities. EEP has presented these projects to the PACG and is awaiting a decision on the methodology to calculate mitigation credits before proceeding with these projects.

4. Evaluation of the CU for wetland preservation opportunities that may be able to provide some mitigation credit towards the wetland deficits. WPPI has identified multiple preservation sites and is working to assess and acquire these sites. Three projects have been identified that will yield five restoration equivalent mitigation credits.

5. Use existing assets or generate new assets in the lower portion of Catawba 03050101 for the MOU Program. EEP has approval from USACE (reference letter May 21, 2004 from Ken Jolly to Bill Gilmore) to use wetlands assets in the lower portion of Catawba 03050101 to offset permit requirements.

6. Implement projects in the expanded Catawba 03050103 service area.

7. Evaluation of wetlands restoration on Chewacla soils. EEP has discussed with USACE the possibility of pursuing wetlands restoration sites with Chewacla soil types in association with priority one stream restoration opportunities. Additional potential wetland opportunities have been identified on the Pott Creek II and South Fork mitigation sites. The feasibility of this potential is currently being evaluated.

8. Utilize HQP assets generated in the MOA program to offset riparian wetland restoration equivalent needs for the MOU program. NCDOT authorization is needed to allow for these credits to be sold and used by the MOU program.

CHOWAN 03010204

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	0.122	0.122
Coastal Marsh	0	0

Background:
The Chowan River basin has historically had little activity for the EEP's mitigation programs. Only two payments have ever been made in the river basin in the history of the program. The requirements total 0.244 non-riparian wetland mitigation credits.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the MOU Amendment Number 1, Section IV Paragraph K dated March 8, 2007) to debit riparian wetland mitigation credits available in the same CU for the outstanding non-riparian wetland mitigation requirement.

Currently, there are surplus riparian and non-riparian wetland mitigation credits located in the Pasquotank River basin. More than 1,110 non-riparian wetland mitigation surplus credits exist in the Pasquotank basin that could be used to offset mitigation needs if in-kind wetland type is preferable. It may be possible to utilize some of the surplus wetland mitigation assets in the basin to offset the future anticipated non-riparian wetland mitigation need in this CU.

CU Long-Range Action Plan:
Long-range needs in this watershed are projected to be five non-riparian wetland mitigation credits. EEP is actively searching to identify and implement projects sufficient to meet long-term needs.

FRENCH BROAD 06010105

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	0.16	0
Coastal Marsh	0	0

Background:
French Broad 06010105 has had some stream and/or riparian wetland mitigation requirements almost every year since the start of WRP; however, this is the first non-riparian wetland mitigation requirement received for this CU. The mitigation requirements through this quarter total 14,764 stream mitigation credits, 10.167 riparian wetland mitigation credits, and 0.16 non-riparian wetland mitigation credits.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the Tri-Party MOA Amendment Number 2, Section X, Paragraph E dated March 8, 2007) to debit riparian wetland mitigation credits available in the same CU for the outstanding non-riparian wetland mitigation requirement.

CU Long-Range Action Plan:
There are no long range needs in this watershed at this time.

FRENCH BROAD 06010108

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	0.15	0
Coastal Marsh	0	0

Background:
French Broad 06010108 historically had no activity for any of EEP's mitigation programs until 2008. The issued permit and mitigation requirements associated with the outstanding mitigation requirement included mitigation requirements for stream, riparian wetland, and non-riparian wetland impacts. This is the same permit associated with the outstanding non-riparian wetland mitigation requirement in French Broad 06010105.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the Tri-Party MOA Amendment Number 2, Section X, Paragraph E dated March 8, 2007) to debit riparian wetland mitigation credits available in the same CU for the outstanding non-riparian wetland mitigation requirement.

CU Long-Range Action Plan:
There are no long-range needs in this watershed at this time.

HIWASSEE 06020002

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	0.066	0
Coastal Marsh	0	0

Background:
The Hiwassee River basin has historically had little activity for the EEP's mitigation programs. Only one payment has been made in the river basin in the history of the MOU program, and only three projects permitted with seven mitigation requirements in the MOA program. Although the number of issued permits is small, the associated mitigation requirements total 12,259 stream mitigation credits and 1.64 riparian wetland mitigation credits for the EEP's mitigation programs. This is the first non-riparian wetland mitigation requirement received for this CU.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the Tri-Party MOA Amendment Number 2, Section X, Paragraph E dated March 8, 2007) to debit riparian wetland mitigation credits available in the same CU for the outstanding non-riparian wetland mitigation requirement.

CU Long-Range Action Plan:
There are no long range needs in this watershed at this time.

LITTLE TENNESSEE 06010203

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	288 (cool); 802 (cold)	0
Riparian	0	0
Non-riparian	0	0
Coastal Marsh	0	0

Background:
This CU has historically had little activity. Prior to 2007, EEP only had one permit requirement in this CU for 288 cool stream credits and this permit requirement had previously been met by the Frizell FD project. The Frizell project was dropped after the discovery of an Indian burial ground. A second stream mitigation requirement for cold stream credits became due in 2008. There have been no further requirements for stream or wetland mitigation in this cataloging unit.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the MOU Amendment 1, Section IV, Paragraph K dated March 8, 2007) for the 802 cold stream credits requirement, to utilize cold stream mitigation credits available in the adjacent CU.

In November 2009, EEP also issued a FD RFP for 2500 stream credits. If a suitable stream mitigation project is submitted during the FD RFP process, then EEP may consider withdrawing the small impacts request for the 802 cold stream credits requirement.

EEP staff will continue to make landowner contacts in this CU to locate suitable stream mitigation projects to meet the outstanding requirements.

CU Long-Range Action Plan:
There are no large long-range stream or wetland needs in this watershed at this time, with the exception of the two outstanding mitigation requirements listed above. There is potential for additional stream mitigation needs required in the MOA program but insufficient amount to warrant issuance of a FD RFP. However, EEP has issued several FD RFPs with no submittals since the Frizell mitigation site.

LUMBER 03040206

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0.527	0
Non-riparian	2.103	0.239
Coastal Marsh	0	0

Background:
The Lumber 03040206 CU has seen limited activity since the inception of the WRP in 1998. To date, EEP is responsible for one stream mitigation requirement, two riparian wetland mitigation requirements and six non-riparian wetland requirements. The magnitude of all nine requirements is very small in comparison to other areas of this river basin. Three of the five non-riparian wetland requirements and one of the riparian wetland requirements due are being partially met and the stream requirement was fully covered. The second riparian wetland requirement is noncompliant. One non-riparian wetland requirement in this CU is being met with a riparian wetland asset.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the MOU Amendment 1, Section IV, Paragraph K dated March 8, 2007) to provide non-riparian wetland mitigation credits available in the adjacent CU for the outstanding non-riparian wetland requirements.

The EEP WPPI Section is continuing to search for a suitable riparian wetland mitigation site to meet the outstanding riparian wetland requirements for this CU, as well as the outstanding riparian wetland needs in Lumber 03040207. Riparian wetlands are difficult to locate in the lower Lumber River basin because of the soil types, the overall low amount of disturbance that has occurred in this area and the unwillingness of landowners to participate in restoration projects.

CU Long-Range Action Plan:
There are no long range needs in this watershed at this time.

LUMBER 03040207

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	571 (warm)	0
Riparian	0.812	0
Non-riparian	0	0
Coastal Marsh	0	0

Background:
The EEP WPPI section has been very active in this CU developing a LWP. The local governments have been involved throughout the LWP process and were very cooperative on the possible projects; however, EEP has not had much interest from the individual property owners. Numerous potential projects were identified during the development of the plan and the WPPI project manager has made multiple attempts to make contact with the landowners. Potential opportunities for traditional wetland restoration are decreasing in this CU and EEP may need to approach the PACG to discuss the possibility of implementing a nontraditional wetland mitigation project to meet needs. There are no riparian wetland credits available in the adjacent CU of the Lumber River basin.

CU Immediate Action Plan:
EEP staff has been assigned to identify and implement a sufficient amount of stream and riparian wetland mitigation credits to meet the outstanding needs listed above plus the small amount of projected stream and riparian wetland mitigation need.

EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the Tri-Party MOA Amendment Number 2, Section X, Paragraph E dated March 8, 2007) to debit stream mitigation credits available in the adjacent CU for 15 of the unmet stream mitigation requirements listed above in this CU. The EEP WPPI section will continue to search for viable stream mitigation sites to meet future projected needs.

NEUSE 03020201

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	1,415.9 (1,675.9) (warm)	0
Riparian	0	0
Non-riparian	0	0
Coastal Marsh	0	0

Background:
Neuse 03020201 is a high demand CU for stream and wetland mitigation needs. EEP currently has a total of 244 stream and wetland mitigation requirements (112 stream, 100 riparian wetland and 32 non-riparian wetland requirements). All of the riparian and non-riparian wetland requirements are completely met. Of the 112 stream requirements, all are met with the exception of one and it is partially met.

CU Immediate Action Plan:
EEP staff has been assigned responsibility for procuring the stream mitigation for the immediate and future needs in this CU. EEP staff are working on finalizing acquisition of the Cheviot Hills mitigation project. Once this project is secured, the outstanding stream mitigation requirements will be completely met with the anticipated stream credits from this project. EEP believes that the project will be acquired before the end of the state fiscal year. The outstanding stream mitigation requirements decreased from Quarter 2 because of a refund issued for a previously debited requirement.

CU Long-Range Action Plan:
There are no significant projected mitigation needs in this CU at this time.

SAVANNAH 03060101

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	0.114	0
Coastal Marsh	0	0

Background:
Until 2007, EEP had no stream or wetland requirements in either CU of the Savannah River basin located in North Carolina. In December 2007, EEP received a payment for stream and non-riparian wetland mitigation. The stream mitigation and a portion of the non-riparian wetland mitigation were met with assets available in the CU.

CU Action Plan:
EEP plans to propose utilizing the small impact policy. There are additional non-riparian restoration equivalent assets available in the CU. EEP would like to utilize those credits to offset the outstanding non-riparian mitigation requirement listed above. EEP will submit this request before the end of 2010.

CU Long Range Action Plan:
There are no long range stream or wetland mitigation needs in the Savannah River basin for either the MOA or MOU.

TAR-PAMLICO 03020104

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	1,742 (warm)	4,244 (warm)
Riparian	0	0
Non-riparian	0	0
Coastal Marsh	0	0

Background:
This cataloging unit has become problematic in delivering stream and buffer mitigation due to the Coastal Stream Mitigation Guidance and the lack of restorable streams located within the CU. EEP has pursued several potential stream mitigation sites in this cataloging unit; however, most of the sites were determined unsuitable due to the guidance. EEP has engaged in several FD RFP rounds but thus far, no additional mitigation sites have been contracted.

CU Action Plan:
EEP issued a FD RFP in November 2009 for stream and buffer mitigation. Proposals were due on March 5, 2010. If suitable mitigation site(s) are submitted during this FD RFP round, then EEP will work expeditiously to complete the contract process for this state fiscal year. The amount of stream restoration credits required decreased during this past quarter due to additional stream credits developed on the Armstrong Property mitigation site.

CU Long-Range Action Plan:
There are sufficient wetland mitigation credits available in this CU to meet current and future projected mitigation needs and very little projected stream needs. There are no long-range needs in this watershed at this time.

TAR-PAMLICO 03020105

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	145.6	0
Riparian	0	0
Non-riparian	0	0
Coastal Marsh	0.10	0.10

Background:
The Tar-Pamlico 03020105 CU has had virtually no activity since the inception of the WRP in 1997. Prior to 2005, the MOU program had only accepted one conservation easement as mitigation on behalf of USACE. Between 2005 and 2007, activity was high, mostly for non-riparian wetland mitigation. EEP received payments for three riparian wetland requirements, 39 non-riparian wetland requirements and one coastal marsh requirement during the last few years. Most of the requirements stem from payments made into the MOU program. The MOA program has had only one permit issued in this CU which required stream and non-riparian wetland mitigation. The small stream requirement is past due but remains covered with 10:1 HQP assets. Currently, all 43 of the wetland mitigation requirements are due and have been met, with the exception of the one coastal marsh requirement. Although activity has been high, the magnitude of each individual requirement is very small.

CU Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the Tri-Party MOA Amendment Number 2, Section X, Paragraph E dated March 8, 2007) to debit stream mitigation credits in the adjacent CU for the unmet stream mitigation requirement listed above. EEP still has HQP stream mitigation assets applied to this requirement at a 10:1 ratio.

CU Long-Range Action Plan:
There are sufficient mitigation credits available in this CU to meet current and future projected riparian and non-riparian wetland mitigation needs, and projected stream needs are small. If there are additional stream requirements in this CU, then the EEP will propose to utilize the small impact policy to meet the requirements. There are no long-range needs in this watershed at this time.

Note: The Bonner Bridge project (TIP B-2500) is a future MOA-projected coastal marsh impact that will be mitigated by NCDOT employing the project-by-project approach, using existing coastal marsh restoration credits located in the adjacent river basin and CU. EEP has transferred these credits to NCDOT for utilization on this project.

WHITE OAK 03030001

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	2.619	0.948
Coastal Marsh	0	0

Background:
Over the past several years, wetland mitigation needs in this CU have remained consistent with most of the need located within the Onslow County portion of the CU. All of current outstanding non-riparian wetland mitigation requirements listed above are for impacts located outside of the Hoffman Mitigation Bank service area. The Hoffman Mitigation Bank has a service area of Onslow County (portions of White Oak 03030001 and 03020106); therefore, these needs cannot be met with wetland credits from the Hoffman Mitigation Bank. EEP has had challenges in this CU implementing mitigation projects in the White Oak LWP because of the lack of landowner response or participation. The White Oak LWP also contains opportunities to pursue nontraditional forms of mitigation that may be more appropriate for this watershed. Additional discussions to pursue the nontraditional forms of mitigation between EEP and PACG may be required in the near future, as the traditional mitigation opportunities are dwindling.

CU Action Plan:
EEP completed the process of purchasing additional non-riparian wetland mitigation credits from the Hoffman Mitigation Bank in December 2009. There are additional non-riparian wetland mitigation credits available to purchase from the Hoffman Mitigation Bank. EEP may consider requesting approval to utilize the released non-riparian wetland mitigation credits from the Hoffman Mitigation Site against the remaining unmet non-riparian wetland mitigation needs in this cataloging unit. Until then, the EEP staff has been assigned to fulfill the remaining non-riparian wetland mitigation needs not eligible to be done with the Hoffman site.

YADKIN 03040103

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	2.78	0.26
Coastal Marsh	0	0

Background:
EEP had only one mitigation site, Valley Fields, generating non-riparian wetland mitigation assets in this CU. The Valley Fields mitigation project originated at NCDOT and was transferred to EEP to initiate design of the site and construction. Based on the original planning and feasibility study of the site, the wetlands were anticipated to be non-riparian. Upon completion of the site design, it was determined that the wetland type should be classified as riparian rather than non-riparian; however, because of a database oversight, the change in wetland type was not made until recently. Construction of the site was completed in late 2008.

CU Action Plan:
In November 2009, EEP issued a FD RFP for five non-riparian credits. The FD RFP technical proposals are due in March 2010 and EEP anticipates any suitable mitigation project will be awarded prior to the end of the state fiscal year.

CU Long Range Action Plan:
There are sufficient stream and riparian wetland mitigation credits available in this CU to meet current and future projected mitigation needs. There are no long-range needs in this watershed at this time.

YADKIN 03040105

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0.801	0.03
Non-riparian	2.096	2.096
Coastal Marsh	0	0

Background:
Yadkin 03040105 is similar in some ways to Catawba 03050103. Yadkin 03040105 does not have many wetland restoration opportunities present within the CU. It is also experiencing some of the same development pressures that are present in the lower Catawba. Yadkin 03040105 includes portions of Charlotte,

Huntersville, Mooresville, Davidson, Concord, Kannapolis, Monroe, Mint Hill and other smaller towns. It should be considered a CU of concern for future wetland restoration efforts. Yadkin 0304105 is different than the lower Catawba in that it has more rural landscape remaining within the watershed and is larger. EEP has invested heavily in local watershed planning in the Yadkin 0304105 and expects to generate both stream and wetlands projects from these endeavors in the future. Because of the magnitude of mitigation needs projected in this CU, EEP has also used the FD process to secure mitigation credits.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the MOU Amendment Number 1, Section IV Paragraph K dated March 8, 2007 and the MOA Amendment Number 2, Revised Section X, Paragraph E) to debit the non-riparian wetland mitigation requirements to riparian wetland mitigation credits available in the CU for 1.32 of the current outstanding non-riparian wetland mitigation requirement.

The remaining 2.872 noncompliant non-riparian wetland mitigation credits came due at the end of the last state fiscal year. EEP WPPI section has searched for suitable areas to conduct non-riparian wetland restoration activities with little success.

In November 2009, EEP issued a FD RFP for stream, riparian wetland, and non-riparian wetland mitigation credits. The technical proposals are due in March 2010 and EEP anticipates any suitable mitigation project be under contract before the end of the state fiscal year. The EEP WPPI section will also continue efforts to locate suitable restoration sites through the LWP.

CU Long-Range Action Plan:
Based on current impact projections, there is still a large need for stream and riparian wetland mitigation credits in this CU. Historically, the action plan has included the utilization of the FD process and the implementation of projects identified from LWP efforts. Both of these efforts have been very successful in generating stream restoration, but not as successful in generating suitable wetland restoration. EEP will continue to use a multi-pronged procurement approach. EEP has expanded the Rocky River LWP to Phase IV; plans to acquire and implement existing Tier II and III projects, and will identify and implement additional stream, riparian wetland and non-riparian wetland projects over the next few years. EEP will continue to use existing HQP credits in the ecoregion. A LWP was initiated in the Goose Creek watershed in partnership with resource agencies and local governments in the area to generate mitigation opportunities that will also address endangered species issues. Also, EEP anticipates releasing another FD RFP in the near future, focusing on procuring more on wetland restoration mitigation credits instead of stream mitigation credits.

YADKIN 03040201

Outstanding Mitigation Required

Description	Restoration	Restoration Equivalent
Stream	0	0
Riparian	0	0
Non-riparian	0.13	0
Coastal Marsh	0	0

Background:
Yadkin 03040201 CU has seen some activity since the inception of the WRP in 1997; however, the last payment received under the MOU program was in 2005. EEP has eight MOU requirements and three MOA requirements in this CU, consisting of three riparian wetland, three non-riparian wetland and five stream requirements. Ten of the 11 mitigation requirements have been met, including 1,059 stream requirements and 6.87 wetland requirements. Some of the non-riparian wetland requirements are currently covered with riparian assets available in the CU.

There are future projected mitigation needs for both stream and riparian wetland credits. EEP currently has sufficient advanced stream and wetland mitigation credits to meet those needs.

CU Immediate Action Plan:
EEP submitted a request to the USACE on Aug. 31, 2009, to utilize the small impacts policy (as referenced in the Tri-Party MOA Amendment Number 2, Section X, Paragraph E dated March 8, 2007) to debit riparian wetland mitigation credits available in the CU for the unmet non-riparian wetland mitigation requirement.

CU Long-Range Action Plan:
There are no long range stream or wetland mitigation needs in this cataloging unit for either the MOA or MOU at this time.

Appendix A: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Total Asset Project List - Alphabetically (High Quality Preservation sites are not listed in table below)

					Beginning Balance*															
GIS ID	Project Name	Tier	River Basin	8-digit CU	Stream Restoration	Stream Enhancment 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
92546	601 North Property	1	YADKIN	03040105	3,036															
92545	601 West Property	1	YADKIN	03040105	4,532															
9	Abbott	1	NEUSE	03020201	584															
6	ABC	1	TAR-PAMLICO	03020104	0		2,375						101.63	9.24		27.57				
92244	Adam's Creek Sea Gate Woods	1na	NEUSE	03020204												122.00				
7	Adkins Branch (Phase II) (G)	1	NEUSE	03020202	10,137															
10	Afton Run	1	YADKIN	03040105	261															
92526	Anderson Swamp	1	TAR-PAMLICO	03020102									12.90		8.40					
92487	Armstrong Property	1	TAR-PAMLICO	03020104	2,200				20.00											
17	Back Creek	1	YADKIN	03040105	2,167	1,480			0.30		3.50									
92666	Badin Inn	1	YADKIN	03040104	4,174															
19	Bailey Fork (EBX)	1	CATAWBA	03050101	6,097		9,765		12.10		5.30									
20	Bailey Fork II (WRC)	1	CATAWBA	03050101	5,500															
21	Ballance Farm	1	PASQUOTANK	03010205					196.27			48.65						19.77		50.00
26	Bear Creek (Phillips Tract)	1	CAPE FEAR	03030003	3,250	0	420													
27	Bear Swamp Creek	1	TAR-PAMLICO	03020101	1,360															
28	Beaver Creek	1	YADKIN	03040101	4,266															
92217	Beaverdam Creek	1	CATAWBA	03050101	12,636	567		2,603												
92586	Beaverdam Creek and Trib (Parker Site)	1	YADKIN	03040105	3,044															
92530	Beaverdam Swamp	1	CAPE FEAR	03030004	10,114	0	292	0	9.90	0.00	2.00									
29	Benbow Park	1	CAPE FEAR	03030002	1,878															
32	Benson Grove	1	NEUSE	03020201					0.00			0.00								
33	Bethel Church	1	YADKIN	03040101																
92532	Big Cedar Creek	1	YADKIN	03040105	11,103		1,171	539												
739	Big Harris Creek I	1	BROAD	03050105	24,486	9,208	608	590	2.00											
92715	Big Warrior & Little Warrior Creek	1	YADKIN	03040101	1,050															
36	Billy's Creek (G)	1	TAR-PAMLICO	03020101	1,901	200														
38	Bishop Road (1 mi to CU 05)	1	TAR-PAMLICO	03020104					1.20			61.60	60.70		38.60	320.40	0.30			189.60
92516	Blockhouse Creek	1	BROAD	03050105	4,925	950	0	430	0.00											
92210	Blounts Creek	1	CAPE FEAR	03030004				8,000												
40	Blue Mitigation Site	1	CAPE FEAR	03030004				4,200				112.43								
92879	Bobs Creek	1	CATAWBA	03050101	1,423			7,235			1.50									
731	Bogue Sound (Weeks Property)	1	WHITE OAK	03020106													0.18			
439	Bold Run Creek	1	NEUSE	03020201	1,454		0													
44	Bowman Site	1	CAPE FEAR	03030003	1,540		173	50												
46	Branson Creek	1	CAPE FEAR	03030004	2,200															
47	Briles	1	YADKIN	03040103	1,446		1,182				1.00									
92333	Brock	1	NEUSE	03020204		397										0.50				
49	Brock Mill Pond	1	NEUSE	03020204				3,400				109.00								
52	Brown Bark Park	1	CAPE FEAR	03030002	775	2,059														
53	Brown Branch	1	CATAWBA	03050101	5,107		120													
92207	Brown Farm	1	CAPE FEAR	03030002					24.60		3.30									
92517	Brown Marsh Swamp	1	LUMBER	03040204	5,004				5.00											
54	Brush Creek	1	NEW	05050001	1,350	490	1,750													
55	Brushy Fork	1	YADKIN	03040101	4,400	3,000														
92603	Buffalo Creek	1	NEUSE	03020201				6,285												
56	Bugaboo Creek	1	YADKIN	03040101	6,230															
57	Bull Farm	1	CAPE FEAR	03030006											2.18					
58	Burnt Mill Creek	1na	CAPE FEAR	03030007					0.80											
60	Bush Island	1	LUMBER	03040203												300.00				
63	Caldwell Station/Foley/EcoPark	1	CATAWBA	03050101	3,632	752			6.20	1.60										
66	Camp Lejune USMC	1	WHITE OAK	03030001					0.00								0.00			
92767	Candiff Creek	1	YADKIN	03040101	3,168	846	2,482													
69	Cane Creek	1	CAPE FEAR	03030002	2,277															
92325	Cane Creek	1	ROANOKE	03010104	9,669	5,497	2,867	986												
92521	Cane Creek (FD)	1	BROAD	03050105	4,600		5,078	1,506	4.40				5.00							
92268	Carbonton Dam	1	CAPE FEAR	03030003	90,494															
70	Casey Tract	1	PASQUOTANK	03010205																
71	Cat Creek	1	LITTLE TENNESSEE	06010202	4,264	2,332	2,343		8.29											
72	Cato	1	YADKIN	03040105	2,444															
73	Caviness	1	CAPE FEAR	03030003	676															
77	Chapel Creek	1	CAPE FEAR	03030002	1,000	350														
79	Charles Creek	1	PASQUOTANK	03010205					1.16		0.60									
87	Chavis Park	1	NEUSE	03020201	2,210															
90	City Pond	1	YADKIN	03040201	10,667															
92762	Clarks Creek	1	YADKIN	03040104				7,844												
91	Clayhill Farm	1	WHITE OAK	03020106	9,599			2,010	21.60		1.80	3.90	79.90		52.00	110.50				
92	Clear Creek	1	FRENCH BROAD	06010105	1,196															
93	Cleghorn Creek	1	BROAD	03050105	5,196															
94	Coddle Creek Tributary (Indian Run)	1	YADKIN	03040105	1,922	1,808	0													
742	Collington Cut	1	PASQUOTANK	03010205																
92205	Collins Site	1	CAPE FEAR	03030002	8,599	500														
92730	Columbus Swamp	1	LUMBER	03040203					33.50		2.50									
96	Company Swamp	1	ROANOKE	03010107								557.43								
92226	Conoconnara Swamp	1	ROANOKE	03010107	5,050								69.00		8.00	71.00				
97	Corbett Tract	1	CAPE FEAR	03030007					0.00											
101	Cox Property	1	TAR-PAMLICO	03020104					0.00											
99	Cox Site	1	NEUSE	03020201	7,292	0	350		26.80				16.90							
105	Cross Creek	1	CAPE FEAR	03030004	2,090															
92329	Crowns West	1	WHITE OAK	03030001	3,800															
92547	Cutatwhiskie creek	1	CHOWAN	03010204	2,818			2,786	12.30											
106	Dale Tract	1	CAPE FEAR	03030005									126.30		17.90					
92269	Daniels Farm #1	1	TAR-PAMLICO	03020101									31.70							
92229	Daniels Farm #2	1	TAR-PAMLICO	03020101					13.75		4.51	10.27	0.68		0.72	0.11				
92543	Davis Branch	1	YADKIN	03040105	2,258	1,229	396	766												
110	Deaton	1	CAPE FEAR	03030003	162															
117	Dismal Swamp	1	PASQUOTANK	03010205					15.46		20.80		252.78			90.71				
92533	Dog Bite Creek	1	FRENCH BROAD	06010108	2,580	1,156	0													
119	Dowd Dairy	1	CAPE FEAR	03030005					4.85				520.19							

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					Beginning Balance*															
GIS ID	Project Name	Tier	River Basin	8-digit CU	Stream Restoration	Stream Enhancment 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
92544	Duke Swamp	1	CHOWAN	03010203	5,441				12.00		7.60									
65	Dula Thorofare @ Bishop Site	1	YADKIN	03040104	2,730	1,871	480	6,355	3.10		1.00	2.30								
92350	Dula Thorofare at Camp Branch	1	YADKIN	03040105	2,313		945	6,563				5.20								
121	Dutchman's Creek	1	NEUSE	03020201																
122	Dye Branch I Stormwater BMP	1na	YADKIN	03040105																
92255	Dye Branch II Stream Restoration	1	YADKIN	03040105	3,000															
745	Eagle Brunswick	1	CAPE FEAR	03030005																
92763	East Buffalo Creek	1	LITTLE TENNESSEE	06010204	980		2,690	6,250												
123	East Tarboro Canal (G)	1	TAR-PAMLICO	03020103	2,989	0														
125	Elizabeth City State BMP	1	PASQUOTANK	03010205	0															
92665	Elk Branch	1	FRENCH BROAD	06010108	2,811	279														
126	Elk Shoals RFP*	1	CATAWBA	03050101	4,813	563														
127	Ellerbee Creek (G)	1	NEUSE	03020201	6,279															
92520	Ellington Branch	1	ROANOKE	03010106	5,062															
128	Ephemeral Pool	1	LUMBER	03040203																
92552	Farrar Dairy	1	CAPE FEAR	03030004	11,561	0	180	1,240	43.80	0.00	22.10	45.90								
133	Finley-McMillan	1	CAPE FEAR	03030007	0											398.00				
92185	Five Mile Branch	1	YADKIN	03040102	1,000		15,000				0.00				0.00					
138	Fletcher-Meritor site	1	FRENCH BROAD	06010105	4,000				10.00											
92812	Flint Rock Farm #2	1	Cape Fear	03030002				4,108				7.40								
440	Flintrock Farm	1	CAPE FEAR	03030002				3,000				30.00								
92486	Floogie Site	1	ROANOKE	03010107	11,149				25.10											
139	Forest Hills	1	CAPE FEAR	03030002	2,960															
141	Freedom Park	1	CATAWBA	03050103	4,400															
142	Friedburg Marsh	1	YADKIN	03040101																
92228	Gatlin Swamp	1	ROANOKE	03010107									138.70							
143	Gibson Pond	1	YADKIN	03040201								36.70								
144	Gillespie Golf Course	1	CAPE FEAR	03030002		2,709	3,086													
854	Glade Creek	1	NEW	05050001	2,705	125		813				0.33								
92343	Glade Creek II	1	NEW	05050001	2,021			150	0.16		0.13	0.79								
92206	Glen Raven	1	CAPE FEAR	03030002	3,108	450														
145	Goldsboro Housing Authority	1	NEUSE	03020201		200	1,358													
92761	Goodman Property	1	NEUSE	03020202	4,325			3,205												
147	Goose Creek (G)	1	NEUSE	03020201	1,465															
92709	Goose Creek (Greene site)	1	YADKIN	03040105			783													
148	Goshen Swamp	1	CAPE FEAR	03030007					0.00											
92219	Gray Farm	1	CATAWBA	03050101	7,610															
671	Greenbriar Creek	1	CAPE FEAR	03030003		4,937		6,330				7.64								
153	Gregory	1	TAR-PAMLICO	03020102	6,500				75.00											
155	Grimesland (Phase II)	1	TAR-PAMLICO	03020103						48.80										
156	Grimesland Site (Phase I)	1	TAR-PAMLICO	03020103						7.64		348.00								
158	Grove Creek	1	CAPE FEAR	03030007					6.00	10.20		352.00	3.90		7.60					
716	Gurley	1	NEUSE	03020203	0															
162	Hall Branch	1	YADKIN	03040201	0		2,000				2.50									
163	Hammock's State Park	1	WHITE OAK	03020106													0.30			
165	Hanging Rock Creek (A3)	1	WATAUGA	06010103	2,769	0														
92230	Harrell Site	1	TAR-PAMLICO	03020101	6,808								15.00							
167	Haw Branch	1	CAPE FEAR	03030007	10,005				25.00											
92316	Haw River Bouchard	1	CAPE FEAR	03030002								30.00								
92238	Haw River Swamp I	1	CAPE FEAR	03030002					12.00											
168	Haw River Swamp II	1	CAPE FEAR	03030002					14.70		2.50	18.00								
169	Haw River Tract	1	CAPE FEAR	03030002								80.00								
719	Haw's Run	1	CAPE FEAR	03030007					6.72		25.00	171.00	49.36		99.00	11.00				
170	Heath Dairy Road	1	YADKIN	03040103	6,773	1,286	852	102			1.60	0.24								
172	Helms	1	YADKIN	03040105			1,400				0.40									
175	High Vista	1	FRENCH BROAD	06010105	1,500	2,300														
176	Hillcrest Bay	1	CAPE FEAR	03030004									15.00							
177	Hillsdale Park	1	CAPE FEAR	03030002		5,302	138													
92523	Holly Grove	1	CAPE FEAR	03030002	13,170		5,284	2,694			1.11									
180	Hominy Swamp Creek	1	NEUSE	03020203	2,160															
92251	Hoppers Creek - Melton Farm	1	CATAWBA	03050101	2,413		1,164	1,080	1.29		0.33									
182	Horsepen Creek	1	CAPE FEAR	03030002					1.77											
183	Howell Woods	1	NEUSE	03020201			5,253		34.00	4.00	64.00	38.00								
184	Huskanaw Swamp	1	TAR-PAMLICO	03020103							23.60									
192	Irwin Creek Whitehurst Road	1	CATAWBA	03050103			1,500			1.50										
194	Jacksonville Country Club	1	WHITE OAK	03030001	3,269		376													
92550	Jarmans Oak	1	WHITE OAK	03030001	6,418		1,205		11.00		6.10									
197	Johnson Site (Hunting Creek)	1	YADKIN	03040102	2,200															
198	Jones Creek	1	YADKIN	03040201	3,068			5,150	25.00		2.70									
92614	Jordan Creek	1	CAPE FEAR	03030002				8,600												
199	Jumping Run Creek	1	CAPE FEAR	03030004	4,480				67.00											
200	Jumping Run Creek	1	WHITE OAK	03020106					3.00											
201	Juniper Bay	1	LUMBER	03040203									590.08							
204	Ken-Cox (Millstone Creek)	1	CAPE FEAR	03030003	3,300						2.00									
205	Kentwood Park	1	NEUSE	03020201	965	338	0													
206	Key Branch	1	YADKIN	03040104	0				36.80			3.60								
208	Kings Creek	1	FRENCH BROAD	06010105	2,300															
209	Knobs Creek	1	PASQUOTANK	03010205								19.00								
212	Lake Wheeler	1	NEUSE	03020201					0.00											
92707	Laxon Creek(Racey site)	1	NEW	05050001	0															
733	Lewis Creek	1	FRENCH BROAD	06010105	1,750															
219	Lick Creek	1	CAPE FEAR	03030004	9,568															
92372	Little Alamance Creek (Burlington Park)	1	CAPE FEAR	03030002		2,850														
221	Little Beaver Creek	1	CAPE FEAR	03030002	3,712	0		1,913	2.40		0.00									
94147	Little Buffalo Creek Stream Mit. Site	1	Yadkin	03040105	1,400	1,550	7,675	3,350												
627	Little Contentnea Creek (Farmville C.C.)	1	NEUSE	03020203	680	958			1.70			1.30								
224	Little Grassy Creek	1	ROANOKE	03010102		0	2,539	12,710												
92651	Little Ivy Creek (Barnhill Site)	1	FRENCH BROAD	06010105	0															
225	Little McQueen	1	LUMBER	03040203					0.00											

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856	Little Pine Creek II	1	NEW	05050001	3,070				1.10			4.47								
226	Little River	1	CAPE FEAR	03030004				4,433	2.30		53.20	49.50								
92759	Little River Farm	1	YADKIN	03040104	515		11,029	2,409												
228	Little Sugar Creek I	1	CATAWBA	03050103					0.00											
749	Little Troublesome	1	CAPE FEAR	03030002	2,188			2,754			1.90	4.50								
92534	Little White Oak Creek	1	BROAD	03050105	18,290															
92327	Lloyd Site	1	WHITE OAK	03030001	5,858				3.30				3.10							
92515	Logan Creek	1	SAVANNAH	03060101	3,745											1.60				
233	Long Swamp	1	LUMBER	03040203					0.00											
234	Louisburg (UT to Tar River)	1	TAR-PAMLICO	03020101		1,937														
236	Lowell Mill	1	NEUSE	03020201	34,990															
237	Lower Creek	1	CATAWBA	03050101	1,921	1,440														
239	Mallard Creek	1	YADKIN	03040105					0.00	0.00										
715	Mann's Harbor	1	PASQUOTANK	03010205																
92248	Mark's Creek TESC	1	NEUSE	03020201				3,693				17.90								
92633	Martins Creek II	1	HIWASSEE	06020002	1,800		3,100	8,500	2.63		1.50									
241	Mary's Creek	1	CAPE FEAR	03030002	2,096															
718	Mashoe's Road	1	PASQUOTANK	03010205												29.32				130.94
92328	Mason Farm	1	TAR-PAMLICO	03020105					16.00				20.00							
443	McCain Property	1	YADKIN	03040103	2,417															
242	McDonald's Pond	1	YADKIN	03040201	2,969	770		5,800	17.70		4.20	19.00								
92604	McGowan Creek	1	NEUSE	03020201								30.80								
243	McIntyre Creek @ Hornets Nest Park	1	CATAWBA	03050101	4,800					1.50										
244	McIntyre Property	1	CAPE FEAR	03030005					12.30								9.02		85.76	
92573	McKee Creek	1	YADKIN	03040105	1,641	1,096	3,240													
92351	Meadowbranch (Fivemile Branch)	1	LUMBER	03040203					1.49		42.42	6.58								
92706	Meat Camp Creek (Miller site)	1	NEW	05050001	0															
247	Meredell Farm Site	1	CAPE FEAR	03030003	3,865	4,704		5,136												
92703	Middle Fork Creek (Phillips/Willis)	1	FRENCH BROAD	06010105	0															
250	Mildred Woods	1	TAR-PAMLICO	03020103									128.50			8.00				
251	Mill Branch	1	LUMBER	03040206	3,282			1,750		0.25	0.44	35.80				1.50				
253	Mill Creek (formerly Uwharrie Heritage)	1	YADKIN	03040103	983	1,710	3,149	9,241		1.10	0.00									
256	Mocassin Creek	1	NEUSE	03020203	311				0.38		4.93	43.21								
92227	Modlin Site	1	ROANOKE	03010107					40.00											
725	Moore Property	1	NEUSE	03020201					42.80											
92527	Morgan Creek	1	BROAD	03050105	7,855	1,797	1,629	7,491												
92240	Morgan Creek (Bolin Stewardship Tract)	1	CAPE FEAR	03030002				4,825												
92531	Morgan Creek (French Broad)	1	FRENCH BROAD	06010106	3,711	558			0.60		0.46									
258	Morgan Creek Floodplain	1	CAPE FEAR	03030002					17.50			8.00								
260	Mud Creek	1	FRENCH BROAD	06010105							15.60									
737	Muddy Creek (Randolph/Duncan Properties)	1	CATAWBA	03050101	2,842															
261	Naked Creek	1	YADKIN	03040101	3,000															
92872	Neighbors Br./Walton Crawley Br.	1	CATAWBA	03050101	2,567		3,764	3,550	2.00		3.20	0.60								
92330	New Light Creek (NCDOT)	1	NEUSE	03020201																
92497	Newfound Creek 1	1	FRENCH BROAD	06010105	6,079	2,102	2,120				0.87									
94151	Newtown Creek	1	CATAWBA	03050103	5,000				3.20											
441	Nicholls Farm (Troublesome Creek)	1	CHOWAN	03010203				4,719				3.90	0.00							
94151	North Fork Mountain Creek Mit. Site	1	CATAWBA	03050101	5,000				3.40											
92611	North Muddy Creek	1	CATAWBA	03050101	3,974	337	336	3,313	11.40		3.70	2.50	2.60							
271	North River	1na	WHITE OAK	03020106									250.00							
272	Northgate Park (Ellerbe) (G)	1	NEUSE	03020201	752	1,735														
273	Oakley Crossroads	1	TAR-PAMLICO	03020103	3,800				2.58		2.60				0.00	1.11				
274	Oakwood Cemetary	1	NEUSE	03020201	0															
92708	Obids Creek (Wild Site)	1	NEW	05050001	0															
275	Open Springs	1	CAPE FEAR	03030003	4,835															
92700	Paint Fork Creek(Brigmon Site)	1	FRENCH BROAD	06010105	0															
92702	Paint Fork Creek(Fosson)	1	FRENCH BROAD	06010105	0															
276	Paschal GC (Richland Ck) (G)	1	NEUSE	03020201	2,800	0														
279	Payne Dairy	1	CATAWBA	03050101	5,177	470	1,350					6.40								
280	Pea Island	1	PASQUOTANK	03010205																
281	Pembroke Creek I	1	PASQUOTANK	03010205																
282	Pembroke Creek II	1	PASQUOTANK	03010205					-0.09											
283	Perry Property (UT to Pembroke Creek)	1	PASQUOTANK	03010205	4,488				13.81			8.95	4.46		5.26	25.92				
1	Philips	1	NEUSE	03020201																
92518	Pinch Gut Tributary	1	ROANOKE	03010103	10,581		292													
92607	Plemmons-Kirkpatrick Spring Creek WRC	1	FRENCH BROAD	06010105	0															
92549	Plum Creek	1	LUMBER	03040207	0								77.00		6.00					
286	Pott Creek II	1	CATAWBA	03050102	10,054															
92721	Pott Creek II Wetlands	1	CATAWBA	03050102						4.57		3.38								
92548	Powell Property	1	CHOWAN	03010203	3,310				50.00											
289	Prestonwood G.C.	1	NEUSE	03020201	4,123															
291	Price Park	1	CAPE FEAR	03030002	1,776															
292	Pridgen Flats	1	CAPE FEAR	03030006																
293	Privateer Farms	1	CAPE FEAR	03030005	34,005				402.50		25.00									
294	Purlear Creek	1	YADKIN	03040101	11,500				2.00		2.00									
295	Purlear Creek II	1	YADKIN	03040101	2,620				1.05			0.30								
92522	Puzzle Creek	1	BROAD	03050105	4,840															
297	R-2719 BA	1	NEUSE	03020202	0															
92220	Reed's Creek	1	CATAWBA	03050101					4.20		2.20	8.20								
301	Reedy Branch	1	CAPE FEAR	03030002	3,150															
303	Rich Fork FDP (Bodenheimer-Parker)	1	YADKIN	03040103	3,000				20.00			2.00								
304	Richland Creek	1na	NEUSE	03020201		415														
307	River Bend	1	ROANOKE	03010104					5.00			19.00								
92758	Rockwell Pastures	1	YADKIN	03040104	10,953	982	5,852						1.70							
308	Rocky Branch	1	YADKIN	03040102	4,400					1.50										
310	Rocky Branch (NCSU) Phase I	1	NEUSE	03020201																
311	Rocky Branch (NCSU) Phase II	1	NEUSE	03020201																
312	Roquist	1	ROANOKE	03010107				3,660				20.00	45.20			3,366.00				
317	Rowan Branch	1	CAPE FEAR	03030006				600	10.00			67.00								

Appendix A: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Total Asset Project List - Alphabetically (High Quality Preservation sites are not listed in table below)

					Beginning Balance*															
GIS ID	Project Name	Tier	River Basin	8-digit CU	Stream Restoration	Stream Enhancment 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
746	Rowel Branch	1	CAPE FEAR	03030005																
92675	SALT (Sandhill Area Land Trust)	1	CAPE FEAR	03030004									0.00		0.00	0.00				
320	Sand Shoals	1	WHITE OAK	03020106																
322	Sandy Creek	1	CAPE FEAR	03030002			2,700		3.60											
321	Sandy Creek	1	CAPE FEAR	03030003					5.68			2.90								
80	Sandy Creek -- Charles Williams	1	CAPE FEAR	03030003			1,748				1.96									
732	Sandy Mush (Phase II)	1	FRENCH BROAD	06010105			80,800													
94148	Scaly Bark Creek Mitigation Site	1	YADKIN	03040105	4,866		3,475	795												
92916	Shadrick Creek	1	CATAWBA	03050101	7,960	540	690	2,930	0.30			1.00								
92241	Sharpe Wetland Preservation	1	CAPE FEAR	03030002				512				6.20								
333	Sheperd's Tree	1	YADKIN	03040102	-34				16.64	86.60	8.00									
335	Silas Creek	1	YADKIN	03040101	782	3,662														
336	Silver Creek	1	CATAWBA	03050101	5,127	1,392	2,036	1,077												
92218	Silver Creek-Conway	1	CATAWBA	03050101	4,457			166												
92234	Simpson Wetland	1	TAR-PAMLICO	03020104									30.00							
92663	Sink Hole Creek	1	FRENCH BROAD	06010108	4,670			1,076												
340	Sleepy Creek	1	NEUSE	03020202					96.40		39.20	380.00								
341	Smith Creek Site	1	CAPE FEAR	03030007					0.00											
343	Smith/Austin Creek (G)	1	NEUSE	03020201	6,178	3,982	794													
344	Snow Creek	1	ROANOKE	03010103	3,850	855														
92764	Snowbird Tributaries	1	LITTLE TENNESSEE	06010204			810	8,070												
345	South Buffalo Creek	1	CAPE FEAR	03030002					-2.28			0.00								
346	South Fork	1	CATAWBA	03050102	9,590	1,273	3,431													
92701	South Fork Big Pine Creek(Charles/McGinnis)	1	FRENCH BROAD	06010105	0															
347	South Fork Hopper	1	CATAWBA	03050101	7,229				5.60		1.00									
93507	South Fork Wetlands	1	CATAWBA	03050102					2.73	6.82		0.75		0.33						
348	South Muddy Creek	1	CATAWBA	03050101	12,573	2,653														
349	Sparta Bog	1	NEW	05050001												11.90				
351	Speight Branch	1	NEUSE	03020201						1.00	1.22	19.00								
353	Spring Branch	1	CAPE FEAR	03030007					0.00											
354	Spring Valley Park	1	CAPE FEAR	03030002	0															
357	Stallings (G)	1	NEUSE	03020204	4,159				5.30		5.50	17.00								
360	Starmount Forest CC	1	CAPE FEAR	03030002	0															
361	Starmount Park	1	CAPE FEAR	03030002																
363	Stillhouse Creek (G)	1	NEUSE	03020201	1,391															
364	Stone Mountain	1	YADKIN	03040101	6,754		984	1,445		2.09										
365	Stonebridge	1	CAPE FEAR	03030003	6,120															
92556	Stricker Branch	1	YADKIN	03040105	2,910															
366	Sturgeon City (Phase I)	1	WHITE OAK	03030001					0.35								2.69			
367	Sturgeon City (Phase II)	1	WHITE OAK	03030001													2.50			
368	Suck Creek	1	CAPE FEAR	03030003	2,889															
369	Sussman's Park	1	CAPE FEAR	03030002																
370	Suther (Dutch Buffalo Creek)	1	YADKIN	03040105	608	0	3,611	4,678	7.29		4.26	1.67								
92249	Swift Creek Watershed Wetlands	1	NEUSE	03020201								41.69								
92211	Tarlton Swamp	1	CAPE FEAR	03030004	3,465	596	0	341	6.60	0.00	2.70									
372	Tate Farm	1	NEW	05050001	1,880	1,202	18,288	16,204	2.36		4.52					0.02				
92524	Thompson's Fork and Tributary	1	CATAWBA	03050101	4,675	390		356												
92664	Three Mile Creek - Restoration Systems	1	FRENCH BROAD	06010108	6,057	618	875	6,421	2.50		2.30									
379	Tick Creek (Condoret Tract)	1	CAPE FEAR	03030003	3,011															
92528	Tributary to Reedy Fork Creek	1	CAPE FEAR	03030002	6,905		418													
388	Trout Cove Branch	1	HIWASSEE	06020002	3,900															
389	Tucker Farm	1	PASQUOTANK	03010205																
392	Tulula Bog	1	LITTLE TENNESSEE	06010204	2,269			1,101	51.36											
394	Underhill	1	NEUSE	03020201																
92632	Upper South Hominy Creek	1	FRENCH BROAD	06010105	735	2,760	1,600	1,500												
395	Upper UT to Cane Creek (Picard)	1	CAPE FEAR	03030002	6,782						1.35	2.00								
92347	UT Bear Creek (Weaver/McLeod property)	1	CAPE FEAR	03030003	4,878						0.39									
92500	UT Clarke Creek	1	YADKIN	03040105	2,257															
92682	UT Neuse (The Big Ditch)	1	NEUSE	03020201	2,400	0														
92383	UT Rocky River - Harris Road Middle	1	YADKIN	03040105	2,780	0				8.70	0.00	0.00								
92837	UT to Altamahaw	1	CAPE FEAR	03030002			1,500				1.00									
92598	UT to Back Creek	1	CAPE FEAR	03030002				3,622												
92596	UT to Bald Creek	1	FRENCH BROAD	06010108	2,065	150	1,150	900												
397	UT to Barnes Creek (HurleySite)	1	YADKIN	03040103	3,916	0			1.38		3.14									
92719	UT to Bear Creek (Phillips)	1	CAPE FEAR	03030003	694	1,070														
92370	UT to Bear Swamp - St. Ana Rd.	1	LUMBER	03040203			800	800			1.00	3.00								
857	UT to Crab Creek	1	NEW	05050001	4,026		583	2,172	7.90	0.20	3.70	4.70								
434	UT to Crooked Creek/Speas Property (G)	1	TAR-PAMLICO	03020101	2,267		0	1,262		0.30		17.50								
92471	UT to Hauser Creek	1	YADKIN	03040101	2,463															
92694	UT to Haw (Bechom)	1	CAPE FEAR	03030002			2,200	1,050			2.00									
92753	UT to Haw (Gwynn)	1	CAPE FEAR	03030002			2,000				2.00									
747	UT to Haw River	1	CAPE FEAR	03030002			10,656	1,843												
92345	UT to Jumping Run Creek	1	CAPE FEAR	03030004	7,057	1,935			78.70		3.40		17.30							
92705	Ut to Laxon Creek (Carp site)	1	NEW	05050001	0															
290	UT to Lilliput Creek (Hog Branch Ponds)	1	CAPE FEAR	03030005	3,238							20.45	7.83		96.46	87.74				
314	UT to Little Coharie Creek (Roseboro Site)	1	CAPE FEAR	03030006	1,630	700														
92766	UT to Martins Creek (Contreras)	1	HIWASSEE	06020002	3,475	525			0.90											
93873	UT to North Muddy Creek (Allen)	1	CATAWBA	03050101	0	0	0	5,686	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93874	UT to North Muddy Creek (Haney)	1	CATAWBA	03050101	0	0	0	5,438	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92704	Ut to Peak Creek (Bare site)	1	NEW	05050001	0															
402	UT to Rocky River (Smith Tract)	1	CAPE FEAR	03030003	1,111	208	887													
403	UT to Sandy Creek (Williams Tract)	1	CAPE FEAR	03030003	2,590															
435	UT to South Fork Creek (Hadley-Newlin)	1	CAPE FEAR	03030002	6,000															
405	UT to South Fork Creek (Stephens)	1	CAPE FEAR	03030002	4,050			2,500												
94068	UT To The Lumber River	1	LUMBER	03040203	4,275	0	345	6,560	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
847	UT to Uwharrie	1	YADKIN	03040103	6,096	946	220	762			0.50	0.96								
442	UT to West Fork of Deep River	1	CAPE FEAR	03030003	2,201	990		2,040												
407	Valley Fields Farm Site	1	YADKIN	03040103	9,350			9,006	3.10		4.90	2.70								
409	Wake Forest C.C.	1	NEUSE	03020201	3,400															

Appendix A: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Total Asset Project List - Alphabetically (High Quality Preservation sites are not listed in table below)

					Beginning Balance*																
GIS ID	Project Name	Tier	River Basin	8-digit CU	Stream Restoration	Stream Enhancment 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
412	Warrior Creek	1	YADKIN	03040101	10,585	450														
413	Watts Property	1	PASQUOTANK	03010205	750				6.00				25.00							
414	Wells Creek	1	CAPE FEAR	03030002	2,986	2,757														
92688	Wells Creek #2	1	CAPE FEAR	03030002			2,100	1,650												
419	Whitehall Reserve	1	CATAWBA	03050103	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
420	Whitelace Ck* (G)	1	NEUSE	03020202		3,693	2,208		7.70		13.00									
423	Wike Property (Lyle Creek)	1	CATAWBA	03050101	2,067			600												
92508	Wildcat Branch	1	CAPE FEAR	03030004				5,733				26.00								
92551	Wolf Pond	1	YADKIN	03040105	4,513															
92606	WRC Bowlin-Peak Creek	1	NEW	05050001	0															
432	Zack's Fork Ck RFP*	1	CATAWBA	03050101	3,900															
	Total Gross Asset (does not include Sites with Mitigation Banking Instruments)				**1,024,934**	**111,939**	**268,050**	**293,013**	**1,837.28**	**188.37**	**480.74**	**3,010.19**	**2,702.41**	**9.57**	**342.12**	**4,984.90**	**14.99**	**19.77**	**85.76**	**370.54**
	Mitigation Sites with Executed Mitigation Banking Instruments																			
23	Barra Farms I	1	CAPE FEAR	03030006									160.51							
25	Bear Creek	1	NEUSE	03020202					84.06		34.00	280.30								
104	Croatan Mitigation Bank Phase II	1	NEUSE	03020204					49.60		91.60	37.80	1,066.22		956.90	253.00				
103	Croatan Wetland Mitigation Bank I	1	NEUSE	03020204								92.00	311.60		1,026.90	108.00				
111	Deep Creek (Harding)	1	YADKIN	03040101	5,500				30.40	12.10										
118	Dismal Swamp Full-Delivery(aka Timberlake Farm)	1	PASQUOTANK	03010205					180.00				275.00							
135	Fisher River Mit. Bank (Ring FDP)	1	YADKIN	03040101				2,376	25.50	8.10	0.91									
151	Great Dismal Swamp	1	PASQUOTANK	03010205									106.00							
92259	Hoffman Forest Bank (MOA)	1	WHITE OAK	03030001									38.00							
94633	Hoffman Forest Bank (MOU 2009 Purchase)	1	WHITE OAK	03030001									8.20							
92258	Hoffman Forest Bank (MOU)	1	WHITE OAK	03030001									12.00							
179	Homestead (wetland)	1	YADKIN	03040102	5,500				14.60	42.20	2.80	5.50								
264	Neu-Con MBI (Alexander)	1	NEUSE	03020203									18.50	0.90		2.00				
92642	Neu-Con MBI (Casey-King)	1	NEUSE	03020202									25.00							
265	Neu-Con MBI (Marston)	1	NEUSE	03020204	6,416				30.00		8.60	128.50								
263	Neu-Con MBI (Nahunta)	1	NEUSE	03020203	10,670				97.50		0.50		11.50		0.40	31.50				
92643	Neu-Con MBI (Tull Wooten)	1	NEUSE	03020202												125.00				
92644	Neu-Con MBI (Valentine)	1	NEUSE	03020203								386.00				114.00				
262	Neu-Con MBI (Westbrook)	1	NEUSE	03020201	5,414				10.00			50.00	50.00			20.00				
285	Pott Creek	1	CATAWBA	03050102	3,500				5.45	31.32	0.76	0.36								
730	Scuppernong River Mitigation Bank	1	PASQUOTANK	03010205									11.35			19.00				
92557	Timberlake (Great Dismal Swamp)	1	PASQUOTANK	03010205	5,000															
417	White Oak Creek	1	NEUSE	03020201					7.64	3.73	1.53	18.62								
	Total Gross Asset - Sites with Executed Mitigation Banking Instruments				**42,000**	**0**	**0**	**2,376**	**534.75**	**97.45**	**140.70**	**999.08**	**2,093.88**	**0.90**	**1,984.20**	**672.50**	**0.00**	**0.00**	**0.00**	**0.00**
	TOTAL - All Sites				**1,066,934**	**111,939**	**268,050**	**295,389**	**2372.03**	**285.82**	**621.44**	**4009.27**	**4796.29**	**10.47**	**2326.32**	**5657.40**	**14.99**	**19.77**	**85.76**	**370.54**

*NOTE: Beginning Balance amounts may not include ALL credits generated by the individual mitigation projects. Credits associated with some of the transferred NCDOT mitigation sites were debited prior to the formation of the Ecosystem Enhancement Program and are not included in the amounts listed above. Also, some riparian restoration credits were allowable to utilize in the Riparian Restoration Buffer Program and Nutrient Offset Program. Those credits are also not included in the "Beginning Balance" amounts listed above.

Appendix B: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Total Assets Summary (High Quality Preservation Sites are not listed in the table below).

River Basin	Cataloging Unit		Total Assets (MOU and MOA Stream and Wetland Programs)															
			Stream Restoration	Stream Enhancment 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
Broad			**70,192**	**11,955**	**7,315**	**10,017**	**6.40**	**0.00**	**0.00**	**0.00**	**5.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	03050105	**Total**	70,192	11,955	7,315	10,017	6.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	1,933	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	68,259	11,955	7,315	10,017	6.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cape Fear			**304,441**	**32,117**	**33,782**	**77,174**	**756.44**	**10.20**	**152.91**	**1,040.92**	**900.39**	**0.00**	**223.14**	**496.74**	**9.02**	**0.00**	**85.76**	**0.00**
	03030001				Located in White Oak													
	03030002	**Total**	73,412	16,977	30,082	39,071	74.29	0.00	15.16	186.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	49,107	13,627	22,180	24,331	37.75	0.00	6.85	151.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	24,305	3,350	7,902	14,740	36.54	0.00	8.31	35.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03030003	**Total**	131,616	11,909	3,228	13,556	5.68	0.00	4.35	10.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	52,637	0	0	0	1.84	0.00	0.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	78,979	11,909	3,228	13,556	3.84	0.00	4.35	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03030004	**Total**	50,535	2,531	472	23,947	208.30	0.00	83.40	233.83	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	23,896	2,531	0	12,774	164.50	0.00	40.88	49.50	28.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	26,639	0	472	11,173	43.80	0.00	42.52	184.33	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03030005	**Total**	37,243	0	0	0	419.65	0.00	25.00	20.45	654.32	0.00	114.36	87.74	9.02	0.00	85.76	0.00
		MOU	3,278	0	0	0	7.33	0.00	0.00	20.45	26.69	0.00	96.46	87.74	0.03	0.00	0.00	0.00
		MOA	33,965	0	0	0	412.32	0.00	25.00	0.00	627.63	0.00	17.90	0.00	8.99	0.00	85.76	0.00
	03030006	**Total**	1,630	700	0	600	10.00	0.00	0.00	67.00	160.51	0.00	2.18	0.00	0.00	0.00	0.00	0.00
		MOU	764	0	0	0	1.31	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	866	700	0	600	8.69	0.00	0.00	67.00	159.64	0.00	2.18	0.00	0.00	0.00	0.00	0.00
	03030007	**Total**	10,005	0	0	0	38.52	10.20	25.00	523.00	53.26	0.00	106.60	409.00	0.00	0.00	0.00	0.00
		MOU	10,005	0	0	0	25.80	0.00	0.00	0.00	16.50	0.00	0.00	24.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	12.72	10.20	25.00	523.00	36.76	0.00	106.60	385.00	0.00	0.00	0.00	0.00
Catawba			**156,044**	**10,377**	**24,156**	**34,034**	**57.87**	**47.31**	**17.99**	**23.19**	**2.60**	**0.33**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	03050101	**Total**	123,500	9,104	19,225	34,034	46.49	3.10	17.23	18.70	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	90,360	7,810	18,889	27,596	34.21	3.10	13.53	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	33,140	1,294	336	6,438	12.28	0.00	3.70	2.50	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03050102	**Total**	23,144	1,273	3,431	0	8.18	42.71	0.76	4.49	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	4,827	0	0	0	2.73	33.15	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	18,318	1,273	3,431	0	5.45	9.56	0.76	3.74	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	03050103	**Total**	9,400	0	1,500	0	3.20	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	9,400	0	1,500	0	3.20	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chowan			**11,569**	**0**	**0**	**7,505**	**74.30**	**0.00**	**7.60**	**3.90**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	03010203	**Total**	8,751	0	0	4,719	62.00	0.00	7.60	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	8,751	0	0	4,719	62.00	0.00	7.60	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03010201	**Total**	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03010202	**Total**	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03010204	**Total**	2,818	0	0	2,786	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	1.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	2,818	0	0	2,786	10.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
French Broad			**39,454**	**9,923**	**86,545**	**9,897**	**13.10**	**0.00**	**19.23**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06010105	**Total**	17,560	7,162	84,520	1,500	10.00	0.00	16.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	10,775	5,060	2,495	1,500	7.08	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	6,785	2,102	82,025	0	2.92	0.00	12.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	06010106	**Total**	3,711	558	0	0	0.60	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	326	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	3,385	558	0	0	0.60	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	06010108	**Total**	18,183	2,203	2,025	8,397	2.50	0.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	6,735	150	1,150	1,976	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	11,448	2,053	875	6,421	2.50	0.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hiwassee			**9,175**	**525**	**3,100**	**8,500**	**3.53**	**0.00**	**1.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06020002	**Total**	9,175	525	3,100	8,500	3.53	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	237	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	8,938	525	3,100	8,500	3.53	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	06020003	**Total**	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Little Tennessee			**7,513**	**2,332**	**5,843**	**15,421**	**59.65**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06010202	**Total**	4,264	2,332	2,343	0	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	318	0	0	0	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	3,946	2,332	2,343	0	7.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	06010203	**Total**	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	06010204	**Total**	3,249	0	3,500	15,421	51.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	3,249	0	3,500	15,421	51.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lumber			**12,561**	**0**	**1,145**	**9,110**	**39.99**	**0.25**	**46.36**	**45.38**	**667.08**	**0.00**	**6.00**	**301.50**	**0.00**	**0.00**	**0.00**	**0.00**
	03040203	**Total**	4,275	0	1,145	7,360	34.99	0.00	45.92	9.58	590.08	0.00	0.00	300.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	6.10	0.00	3.14	0.00	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	4,275	0	1,145	7,360	28.89	0.00	42.78	9.58	583.69	0.00	0.00	300.00	0.00	0.00	0.00	0.00
	03040204	**Total**	5,004	0	0	0	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	290	0	0	0	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	4,714	0	0	0	4.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03040206	**Total**	3,282	0	0	1,750	0.00	0.25	0.44	35.80	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
		MOU	65	0	0	0	0.00	0.00	0.00	3.45	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
		MOA	3,217	0	0	1,750	0.00	0.25	0.44	32.35	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
	03040207	**Total**	0	0	0	0	0.00	0.00	0.00	0.00	77.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	6.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	0.00	0.00	0.00	0.00	70.17	0.00	6.00	0.00	0.00	0.00	0.00	0.00

Appendix B: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Total Assets Summary (High Quality Preservation Sites are not listed in the table below).

River Basin	Cataloging Unit		Total Assets (MOU and MOA Stream and Wetland Programs)															
			Stream Restoration	Stream Enhancment 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
Neuse			**120,555**	**11,718**	**9,963**	**16,583**	**493.88**	**8.73**	**264.08**	**1,691.12**	**1,499.72**	**0.90**	**1,984.20**	**776.00**	**0.00**	**0.00**	**0.00**	**0.00**
	03020201	**Total**	81,697	6,670	7,755	9,978	121.24	8.73	66.75	216.01	66.90	0.00	0.00	20.00	0.00	0.00	0.00	0.00
		MOU	60,094	6,670	7,755	6,285	60.80	4.00	64.00	110.49	19.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	21,602	0	0	3,693	60.44	4.73	2.75	105.52	47.28	0.00	0.00	20.00	0.00	0.00	0.00	0.00
	03020202	**Total**	14,462	3,693	2,208	3,205	188.16	0.00	86.20	660.30	25.00	0.00	0.00	125.00	0.00	0.00	0.00	0.00
		MOU	7,306	3,693	2,208	3,205	10.45	0.00	13.00	0.00	9.36	0.00	0.00	6.40	0.00	0.00	0.00	0.00
		MOA	7,156	0	0	0	177.71	0.00	73.20	660.30	15.65	0.00	0.00	118.60	0.00	0.00	0.00	0.00
	03020203	**Total**	13,821	958	0	0	99.58	0.00	5.43	430.51	30.00	0.90	0.40	147.50	0.00	0.00	0.00	0.00
		MOU	2,674	0	0	0	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	11,147	958	0	0	99.58	0.00	5.43	430.51	29.72	0.90	0.40	147.50	0.00	0.00	0.00	0.00
	03020204	**Total**	10,575	397	0	3,400	84.90	0.00	105.70	384.30	1,377.82	0.00	1,983.80	483.50	0.00	0.00	0.00	0.00
		MOU	374	0	0	0	5.51	0.00	0.00	0.00	4.46	0.00	0.00	122.00	0.00	0.00	0.00	0.00
		MOA	10,201	397	0	3,400	79.39	0.00	105.70	384.30	1,373.36	0.00	1,983.80	361.50	0.00	0.00	0.00	0.00
New			**15,052**	**1,817**	**20,621**	**19,339**	**11.52**	**0.20**	**8.35**	**10.29**	**0.00**	**0.00**	**0.00**	**11.92**	**0.00**	**0.00**	**0.00**	**0.00**
	05050001	**Total**	15,052	1,817	20,621	19,339	11.52	0.20	8.35	10.29	0.00	0.00	0.00	11.92	0.00	0.00	0.00	0.00
		MOU	1,301	642	8,303	114	2.08	0.00	1.26	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
		MOA	13,751	1,175	12,318	19,225	9.44	0.20	7.09	10.29	0.00	0.00	0.00	11.90	0.00	0.00	0.00	0.00
Pasquotank			**10,238**	**0**	**0**	**0**	**412.61**	**0.00**	**21.40**	**76.60**	**674.59**	**0.00**	**5.26**	**164.95**	**0.00**	**19.77**	**0.00**	**180.94**
	03010205	**Total**	10,238	0	0	0	412.61	0.00	21.40	76.60	674.59	0.00	5.26	164.95	0.00	19.77	0.00	180.94
		MOU	1,047	0	0	0	7.66	0.00	0.60	19.00	32.43	0.00	0.00	0.00	0.00	0.57	0.00	0.95
		MOA	9,191	0	0	0	404.95	0.00	20.80	57.60	642.16	0.00	5.26	164.95	0.00	19.20	0.00	179.99
Roanoke			**45,361**	**6,352**	**5,698**	**17,356**	**70.10**	**0.00**	**0.00**	**596.43**	**252.90**	**0.00**	**8.00**	**3,437.00**	**0.00**	**0.00**	**0.00**	**0.00**
	03010102	**Total**	0	0	2,539	12,710	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	2,539	12,710	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03010103	**Total**	14,431	855	292	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	4,218	855	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	10,213	0	292	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03010104	**Total**	9,669	5,497	2,867	986	5.00	0.00	0.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	9,669	5,497	2,867	986	4.29	0.00	0.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03010106	**Total**	5,062	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	5,062	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03010107	**Total**	16,199	0	0	3,660	65.10	0.00	0.00	577.43	252.90	0.00	8.00	3,437.00	0.00	0.00	0.00	0.00
		MOU	770	0	0	0	7.60	0.00	0.00	22.06	4.10	0.00	0.00	7.00	0.00	0.00	0.00	0.00
		MOA	15,429	0	0	3,660	57.50	0.00	0.00	555.37	248.80	0.00	8.00	3,430.00	0.00	0.00	0.00	0.00
Savannah			**3,745**	**0**	**0**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.60**	**0.00**	**0.00**	**0.00**	**0.00**
	03060101	**Total**	3,745	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00	0.00
		MOU	124	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00	0.00
		MOA	3,621	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
	03060102	**Total**	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tar-Pamlico			**27,825**	**2,137**	**2,375**	**1,262**	**128.53**	**56.74**	**30.71**	**437.37**	**401.11**	**9.24**	**47.72**	**357.19**	**0.30**	**0.00**	**0.00**	**189.60**
	03020101	**Total**	12,336	2,137	0	1,262	13.75	0.30	4.51	27.77	47.38	0.00	0.72	0.11	0.00	0.00	0.00	0.00
		MOU	2,712	2,137	0	0	7.86	0.00	0.00	3.40	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	9,624	0	0	1,262	5.89	0.30	4.51	24.37	15.68	0.00	0.72	0.11	0.00	0.00	0.00	0.00
	03020102	**Total**	6,500	0	0	0	75.00	0.00	0.00	0.00	12.90	0.00	8.40	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	6,500	0	0	0	75.00	0.00	0.00	0.00	12.90	0.00	8.40	0.00	0.00	0.00	0.00	0.00
	03020103	**Total**	6,789	0	0	0	2.58	56.44	26.20	348.00	128.50	0.00	0.00	9.11	0.00	0.00	0.00	0.00
		MOU	1,596	0	0	0	0.00	1.68	0.00	0.00	10.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	5,193	0	0	0	2.58	54.76	26.20	348.00	118.38	0.00	0.00	9.11	0.00	0.00	0.00	0.00
	03020104	**Total**	2,200	0	2,375	0	21.20	0.00	0.00	61.60	192.33	9.24	38.60	347.97	0.30	0.00	0.00	189.60
		MOU	2,200	0	755	0	20.00	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	1,620	0	1.20	0.00	0.00	61.60	183.21	9.24	38.60	347.97	0.30	0.00	0.00	189.60
	03020105	**Total**	0	0	0	0	16.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.28	0.00	0.00	0.00	8.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	15.72	0.00	0.00	0.00	11.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Watauga			**2,769**	**0**	**0**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06010103	**Total**	2,769	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	2,769	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Oak			**28,944**	**0**	**1,581**	**2,010**	**39.25**	**0.00**	**7.90**	**3.90**	**391.20**	**0.00**	**52.00**	**110.50**	**5.67**	**0.00**	**0.00**	**0.00**
	03030001	**Total**	19,345	0	1,581	0	14.65	0.00	6.10	0.00	61.30	0.00	0.00	0.00	5.19	0.00	0.00	0.00
		MOU	8,434	0	376	0	10.65	0.00	2.00	0.00	45.98	0.00	0.00	0.00	4.29	0.00	0.00	0.00
		MOA	10,911	0	1,205	0	4.00	0.00	4.10	0.00	15.32	0.00	0.00	0.00	0.90	0.00	0.00	0.00
	03020106	**Total**	9,599	0	0	2,010	24.60	0.00	1.80	3.90	329.90	0.00	52.00	110.50	0.48	0.00	0.00	0.00
		MOU	404	0	0	0	3.00	0.00	0.00	0.00	253.26	0.00	0.00	0.00	0.30	0.00	0.00	0.00
		MOA	9,195	0	0	2,010	21.60	0.00	1.80	3.90	76.64	0.00	52.00	110.50	0.18	0.00	0.00	0.00
Yadkin			**201,496**	**22,686**	**65,926**	**67,181**	**204.86**	**162.39**	**43.41**	**80.17**	**1.70**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	03040101	**Total**	62,318	7,958	3,466	3,821	58.95	22.29	2.91	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	43,146	6,737	3,466	1,445	5.14	2.09	2.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	19,172	1,221	0	2,376	53.81	20.20	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03040102	**Total**	13,066	0	15,000	0	31.24	130.30	10.80	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	7,005	0	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	13,066	0	7,995	0	31.00	130.30	10.80	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03040103	**Total**	33,981	3,942	5,403	19,111	24.48	1.10	11.14	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	6,096	946	220	762	5.88	0.00	0.50	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	27,885	2,996	5,183	18,349	18.60	1.10	10.64	2.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03040104	**Total**	18,372	2,853	17,361	16,608	39.90	0.00	1.00	5.90	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	984	0	0	0	14.20	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	17,388	2,853	17,361	16,608	25.70	0.00	1.00	5.90	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03040105	**Total**	57,055	7,163	22,696	16,691	7.59	8.70	8.16	6.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	13,560	1,808	0	0	0.00	8.70	2.22	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	43,495	5,355	22,696	16,691	7.59	0.00	5.94	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03040201	**Total**	16,704	770	2,000	10,950	42.70	0.00	9.40	55.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix B: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Total Assets Summary (High Quality Preservation Sites are not listed in the table below).

River Basin	Cataloging Unit		Total Assets (MOU and MOA Stream and Wetland Programs)															
			Stream Restoration	Stream Enhancment 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
		MOU	152	0	2,000	0	3.40	0.00	2.50	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	16,552	770	0	10,950	39.31	0.00	6.90	41.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03040202	Total	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total			**1,066,934**	**111,939**	**268,050**	**295,389**	**2,372.03**	**285.82**	**621.44**	**4,009.27**	**4,796.29**	**10.47**	**2,326.32**	**5,657.40**	**14.99**	**19.77**	**85.76**	**370.54**
Grand Total		**MOU**	**422,145**	**52,666**	**78,302**	**79,988**	**460.53**	**54.22**	**156.76**	**422.76**	**516.01**	**0.00**	**96.46**	**249.26**	**4.62**	**0.57**	**0.00**	**0.95**
Grand Total		**MOA**	**644,789**	**59,273**	**189,748**	**215,401**	**1,911.50**	**231.60**	**464.68**	**3,586.52**	**4,280.29**	**10.47**	**2,229.86**	**5,408.14**	**10.37**	**19.20**	**85.76**	**369.59**

Appendix C: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Net Asset Summary (in Credits)

River Basin	Cataloging Unit		Net Debited Asset Credits (does not include outstanding permit requirements that have not yet been debited)							
			Stream Restoration	Stream Restoration Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
Broad			**77,584**	**995.40**	**6.35**	**0.00**	**5.00**	**0.00**	**0.00**	**0.00**
	03050105	**Total**	77,584	995	6.35	0.00	5.00	0.00	0.00	0.00
		MOU	29	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	77,555	995	6.35	0.00	5.00	0.00	0.00	0.00
Cape Fear			**88,917**	**4,325**	**421.44**	**221.07**	**825.02**	**194.03**	**8.99**	**42.88**
	03030001									
	03030002	**Total**	17,337	2,472	37.42	11.77	0.00	0.00	0.00	0.00
		MOU	0	0	0.07	2.04	0.00	0.00	0.00	0.00
		MOA	17,337	2,472	37.34	9.74	0.00	0.00	0.00	0.00
	03030003	**Total**	32,170	466	2.43	2.94	0.00	0.00	0.00	0.00
		MOU	1,281	0	1.26	0.68	0.00	0.00	0.00	0.00
		MOA	30,889	466	1.17	2.26	0.00	0.00	0.00	0.00
	03030004	**Total**	27,689	1,267	133.49	62.48	16.30	0.00	0.00	0.00
		MOU	3,653	0	95.87	6.04	13.25	0.00	0.00	0.00
		MOA	24,036	1,267	37.62	56.44	3.05	0.00	0.00	0.00
	03030005	**Total**	10,388	0	209.09	13.71	609.73	62.64	8.99	42.88
		MOU	2,322	0	0.70	1.25	4.03	53.69	0.00	0.00
		MOA	8,066	0	208.39	12.46	605.70	8.95	8.99	42.88
	03030006	**Total**	1,333	120	8.93	13.40	159.65	1.09	0.00	0.00
		MOU	0	0	0.35	0.00	0.01	0.00	0.00	0.00
		MOA	1,333	120	8.58	13.40	159.64	1.09	0.00	0.00
	03030007	**Total**	0	0	30.09	116.76	39.35	130.30	0.00	0.00
		MOU	0	0	14.44	0.00	2.59	0.00	0.00	0.00
		MOA	0	0	15.65	116.76	36.76	130.30	0.00	0.00
Catawba			**29,765**	**806**	**10.14**	**3.69**	**0.17**	**0.00**	**0.00**	**0.00**
	03050101	**Total**	11,040	806	5.22	3.02	0.06	0.00	0.00	0.00
		MOU	0	0	0.62	0.76	0.00	0.00	0.00	0.00
		MOA	11,040	806	4.60	2.26	0.06	0.00	0.00	0.00
	03050102	**Total**	18,725	0	2.41	0.68	0.11	0.00	0.00	0.00
		MOU	1,206	0	0.81	0.00	0.00	0.00	0.00	0.00
		MOA	17,519	0	1.60	0.68	0.11	0.00	0.00	0.00
	03050103	**Total**	0	0	2.51	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	2.51	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Chowan			**11,557**	**1,501**	**71.73**	**4.58**	**0.00**	**0.00**	**0.00**	**0.00**
	03010203	**Total**	8,751	944	61.40	4.58	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	8,751	944	61.40	4.58	0.00	0.00	0.00	0.00
	03010201	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	03010202	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	03010204	**Total**	2,806	557	10.33	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	2,806	557	10.33	0.00	0.00	0.00	0.00	0.00
French Broad			**64,264**	**1,679**	**4.76**	**7.82**	**0.00**	**0.00**	**0.00**	**0.00**
	06010105	**Total**	42,356	0	2.03	6.44	0.00	0.00	0.00	0.00
		MOU	3,810	0	0.61	0.36	0.00	0.00	0.00	0.00
		MOA	38,546	0	1.42	6.08	0.00	0.00	0.00	0.00
	06010106	**Total**	3,053	0	0.60	0.23	0.00	0.00	0.00	0.00
		MOU	185	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	2,868	0	0.60	0.23	0.00	0.00	0.00	0.00
	06010108	**Total**	18,855	1,679	2.13	1.15	0.00	0.00	0.00	0.00
		MOU	7,295	395	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	11,560	1,284	2.13	1.15	0.00	0.00	0.00	0.00
Hiwassee			**6,865**	**1,700**	**3.53**	**0.75**	**0.00**	**0.00**	**0.00**	**0.00**
	06020002	**Total**	6,865	1,700	3.53	0.75	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	6,865	1,700	3.53	0.75	0.00	0.00	0.00	0.00
	06020003	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Little Tennessee			**10,800**	**3,084**	**59.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06010202	**Total**	6,231	0	7.88	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	6,231	0	7.88	0.00	0.00	0.00	0.00	0.00
	06010203	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Net Asset Summary (in Credits)

River Basin	Cataloging Unit		Net Debited Asset Credits (does not include outstanding permit requirements that have not yet been debited)							
			Stream Restoration	Stream Restoration Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
	06010204	Total	4,569	3,084	51.27	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	4,569	3,084	51.27	0.00	0.00	0.00	0.00	0.00
Lumber			**9,982**	**1,822**	**22.13**	**24.37**	**563.70**	**63.00**	**0.00**	**0.00**
	03040203	Total	1,815	1,472	17.51	18.13	514.47	60.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	1,815	1,472	17.51	18.13	514.47	60.00	0.00	0.00
	03040204	Total	4,950	0	4.62	0.00	0.00	0.00	0.00	0.00
		MOU	290	0	0.60	0.00	0.00	0.00	0.00	0.00
		MOA	4,660	0	4.02	0.00	0.00	0.00	0.00	0.00
	03040206	Total	3,217	350	0.00	6.24	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	3,217	350	0.00	6.24	0.00	0.00	0.00	0.00
	03040207	Total	0	0	0.00	0.00	49.23	3.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.60	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	48.63	3.00	0.00	0.00
Neuse			**35,545**	**0**	**353.86**	**427.81**	**1,421.15**	**1,105.92**	**0.00**	**0.00**
	03020201	Total	7,386	0	58.99	48.62	23.74	3.77	0.00	0.00
		MOU	0	0	13.69	27.00	1.15	0.00	0.00	0.00
		MOA	7,386	0	45.30	21.62	22.59	3.77	0.00	0.00
	03020202	Total	6,587	0	149.08	173.75	7.28	21.04	0.00	0.00
		MOU	0	0	0.49	6.20	1.97	1.06	0.00	0.00
		MOA	6,587	0	148.59	167.55	5.32	19.98	0.00	0.00
	03020203	Total	11,980	0	97.59	87.59	29.46	29.70	0.00	0.00
		MOU	372	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	11,608	0	97.59	87.59	29.46	29.70	0.00	0.00
	03020204	Total	9,592	0	48.20	117.86	1,360.67	1,051.41	0.00	0.00
		MOU	0	0	0.66	0.00	0.10	0.00	0.00	0.00
		MOA	9,592	0	47.54	117.86	1,360.57	1,051.41	0.00	0.00
New			**21,001**	**3,845**	**9.30**	**6.23**	**0.00**	**2.38**	**0.00**	**0.00**
	05050001	Total	21,001	3,845	9.30	6.23	0.00	2.38	0.00	0.00
		MOU	3,013	0	0.00	0.63	0.00	0.00	0.00	0.00
		MOA	17,988	3,845	9.30	5.60	0.00	2.38	0.00	0.00
Pasquotank			**8,257**	**0**	**403.65**	**18.36**	**644.33**	**35.37**	**1.20**	**35.60**
	03010205	Total	8,257	0	403.65	18.36	644.33	35.37	1.20	35.60
		MOU	0	0	4.83	2.53	2.44	0.00	0.00	0.00
		MOA	8,257	0	398.82	15.83	641.89	35.37	1.20	35.60
Roanoke			**44,406**	**3,287**	**59.06**	**109.96**	**128.40**	**681.00**	**0.00**	**0.00**
	03010102	Total	942	2,468	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	942	2,468	0.00	0.00	0.00	0.00	0.00	0.00
	03010103	Total	11,151	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	1,329	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	9,822	0	0.00	0.00	0.00	0.00	0.00	0.00
	03010104	Total	14,470	187	3.73	3.80	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	14,470	187	3.73	3.80	0.00	0.00	0.00	0.00
	03010106	Total	5,022	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	5,022	0	0.00	0.00	0.00	0.00	0.00	0.00
	03010107	Total	12,821	632	55.33	106.16	128.40	681.00	0.00	0.00
		MOU	0	0	2.94	0.00	0.94	0.00	0.00	0.00
		MOA	12,821	632	52.39	106.16	127.46	681.00	0.00	0.00
Savannah			**3,695**	**0**	**0.00**	**0.00**	**0.00**	**0.32**	**0.00**	**0.00**
	03060101	Total	3,695	0	0.00	0.00	0.00	0.32	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	3,695	0	0.00	0.00	0.00	0.32	0.00	0.00
	03060102	Total	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Tar-Pamlico			**19,446**	**252**	**109.49**	**98.48**	**240.72**	**92.73**	**0.24**	**37.92**
	03020101	Total	8,100	252	1.77	3.50	11.85	0.38	0.00	0.00
		MOU	2,616	0	0.32	0.00	0.28	0.00	0.00	0.00
		MOA	5,484	252	1.45	3.50	11.56	0.38	0.00	0.00
	03020102	Total	6,254	0	68.29	0.00	12.90	4.20	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	6,254	0	68.29	0.00	12.90	4.20	0.00	0.00
	03020103	Total	4,456	0	20.30	82.66	18.43	1.60	0.00	0.00
		MOU	0	0	0.18	0.00	2.98	0.00	0.00	0.00
		MOA	4,456	0	20.12	82.66	15.45	1.60	0.00	0.00
	03020104	Total	636	0	3.41	12.32	184.38	86.54	0.24	37.92
		MOU	0	0	2.25	0.00	0.44	0.00	0.00	0.00
		MOA	636	0	1.16	12.32	183.94	86.54	0.24	37.92
	03020105	Total	0	0	15.72	0.00	13.16	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	2.48	0.00	0.00	0.00
		MOA	0	0	15.72	0.00	10.68	0.00	0.00	0.00

Appendix C: EEP Tier 1 Stream and Wetland Restoration, Enhancement, Creation and Preservation Sites - Net Asset Summary (in Credits)

River Basin	Cataloging Unit		Net Debited Asset Credits (does not include outstanding permit requirements that have not yet been debited)							
			Stream Restoration	Stream Restoration Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
Watauga			**2,447**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06010103	**Total**	2,447	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	2,447	0	0.00	0.00	0.00	0.00	0.00	0.00
White Oak			**19,715**	**401.98**	**18.12**	**3.96**	**62.97**	**48.10**	**4.77**	**0.00**
	03030001	**Total**	10,984	0	0.72	2.41	5.26	0.00	4.29	0.00
		MOU	1,833	0	0.56	0.36	0.00	0.00	4.29	0.00
		MOA	9,151	0	0.16	2.05	5.26	0.00	0.00	0.00
	03020106	**Total**	8,730	402	17.40	1.55	57.70	48.10	0.48	0.00
		MOU	60	0	2.23	0.00	0.09	0.00	0.30	0.00
		MOA	8,670	402	15.17	1.55	57.61	48.10	0.18	0.00
Yadkin			**143,414**	**10,536.00**	**219.36**	**28.84**	**0.98**	**0.00**	**0.00**	**0.00**
	03040101	**Total**	20,073	445	60.18	0.41	0.00	0.00	0.00	0.00
		MOU	6,027	0	0.16	0.00	0.00	0.00	0.00	0.00
		MOA	14,046	445	60.02	0.41	0.00	0.00	0.00	0.00
	03040102	**Total**	10,776	0	73.47	5.81	0.00	0.00	0.00	0.00
		MOU	81	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	10,695	0	73.47	5.81	0.00	0.00	0.00	0.00
	03040103	**Total**	19,909	3,750	20.99	6.11	0.00	0.00	0.00	0.00
		MOU	2,087	152	2.26	0.44	0.00	0.00	0.00	0.00
		MOA	17,823	3,598	18.73	5.67	0.00	0.00	0.00	0.00
	03040104	**Total**	25,940	3,322	18.99	1.68	0.98	0.00	0.00	0.00
		MOU	0	0	1.22	0.00	0.00	0.00	0.00	0.00
		MOA	25,940	3,322	17.77	1.68	0.98	0.00	0.00	0.00
	03040105	**Total**	49,757	829	5.74	3.15	0.00	0.00	0.00	0.00
		MOU	1,414	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	48,343	829	5.74	3.15	0.00	0.00	0.00	0.00
	03040201	**Total**	16,958	2,190	39.98	11.69	0.00	0.00	0.00	0.00
		MOU	0	0	0.76	0.00	0.00	0.00	0.00	0.00
		MOA	16,958	2,190	39.23	11.69	0.00	0.00	0.00	0.00
	03040202	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOU	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total		**Total**	**597,658**	**34,234.90**	**1,772.09**	**955.93**	**3,892.44**	**2,222.85**	**15.20**	**116.40**
Grand Total		**MOU**	**38,904**	**547.60**	**150.41**	**48.29**	**33.35**	**54.76**	**4.59**	**0.00**
Grand Total		**MOA**	**558,754**	**33,687.30**	**1,621.68**	**907.63**	**3,859.09**	**2,168.10**	**10.61**	**116.40**

Appendix D-1: Tier 1 High Quality Preservation Sites - Total Asset Project List

					Beginning Balances (feet/acres)			
Site Name	**County**	**Eco-region**	**River Basin**	**CU**	**Stream**	**Riparian**	**Non-riparian**	**Coastal Marsh**
Allen Site	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	15,900.0	26.000	0.000	0.000
Seven Mile Creek (Camp Chestnut Ridge)	ORANGE	Central Piedmont	NEUSE	03020201	5,426.0	0.000	0.000	0.000
Cedar Creek (Perry)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	12,415.0	0.000	0.000	0.000
Countryline Cr (Mackovich)	CASWELL	Central Piedmont	ROANOKE	03010104	2,304.0	0.000	0.000	0.000
Crowther North	ROWAN	Central Piedmont	YADKIN	03040102	2,434.0	22.290	0.000	0.000
Cypress Creek (Langley)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	2,510.5	24.330	0.000	0.000
Davis Tract (Yadkin River)	DAVIE	Central Piedmont	YADKIN	03040101	4,750.0	0.000	0.000	0.000
Deep River (Hanson)	CHATHAM	Central Piedmont	CAPE FEAR	03030003	2,505.0	0.000	0.000	0.000
Dutch Second Creek (Hill)	ROWAN	Central Piedmont	YADKIN	03040103	2,685.0	0.000	0.000	0.000
Eno River (Cabe's Ford)	ORANGE	Central Piedmont	NEUSE	03020201	2,212.0	0.000	0.000	0.000
Eno River (Penny)	DURHAM	Central Piedmont	NEUSE	03020201	4,320.0	38.000	0.000	0.000
Eno River (Poplar Ridge)	ORANGE	Central Piedmont	NEUSE	03020201	3,665.0	0.000	0.000	0.000
Eno River (Wilderness)	ORANGE	Central Piedmont	NEUSE	03020201	21,671.0	0.000	0.000	0.000
Fisher River (Fisher Peak)	SURRY	Central Piedmont	YADKIN	03040101	10,879.0	0.000	0.000	0.000
Fishing Creek (Capps Tract)	WARREN	Central Piedmont	TAR-PAMLICO	03020102	3,300.0	0.000	0.000	0.000
Fishing Creek (Capps Farm)	WARREN	Central Piedmont	TAR-PAMLICO	03020102	3,773.0	2.000	0.000	0.000
Fishing Creek (Capps Forest)	WARREN	Central Piedmont	TAR-PAMLICO	03020102	1,540.0	0.000	0.000	0.000
Fishing Creek (Green)	WARREN	Central Piedmont	TAR-PAMLICO	03020102	1,117.0	0.000	0.000	0.000
Fishing Creek (Shearin)	WARREN	Central Piedmont	TAR-PAMLICO	03020102	3,943.0	28.000	0.000	0.000
Shelton Creek (Slaughter)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	2,400.0	0.000	0.000	0.000
Fishing Creek (Sturges)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020102	1,077.0	0.000	0.000	0.000
Flat River (Horton Grove)	DURHAM	Central Piedmont	NEUSE	03020201	25,013.0	0.000	0.000	0.000
Harris	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	51,736.0	187.000	0.000	0.000
Haw River (Duke Forest)	CHATHAM	Central Piedmont	CAPE FEAR	03030002	32,000.0	0.000	0.000	0.000
Haw River-Cone Swamp (Phillips)	GUILFORD	Central Piedmont	CAPE FEAR	03030002	3,628.0	0.000	0.000	0.000
Hyco Lake (Bessemer)	CASWELL	Central Piedmont	ROANOKE	03010104	12,333.0	0.000	0.000	0.000
Len's Knob/Little Mountain	SURRY	Central Piedmont	YADKIN	03040101	42,000.0	0.000	0.000	0.000
Fishing Creek IP/Alston	WARREN	Central Piedmont	TAR-PAMLICO	03020102	15,814.0	0.000	0.000	0.000
Little River (Baker)	RANDOLPH	Central Piedmont	YADKIN	03040104	1,079.0	0.000	0.000	0.000
Little River (Lewis)	RANDOLPH	Central Piedmont	YADKIN	03040104	4,118.0	0.000	0.000	0.000
Little River (Parker)	RANDOLPH	Central Piedmont	YADKIN	03040104	2,683.0	0.000	0.000	0.000
Little River (Walbourn)	RANDOLPH	Central Piedmont	YADKIN	03040104	2,814.0	0.000	0.000	0.000
Little Shocco (O'Neal)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020102	2,194.0	1.960	0.000	0.000
Shocco Creek LLC - Little Shocco Creek	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020102	2,985.0	0.000	0.000	0.000
Little Shocco Speed	WARREN	Central Piedmont	TAR-PAMLICO	03020102	3,800.0	4.000	0.000	0.000
Little Shocco (Tomlinson)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020102	4,616.0	20.940	0.000	0.000
Little Shocco (Wheless)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020102	598.0	4.000	0.000	0.000
Mayo River (Gorrel)	ROANOKE	Central Piedmont	ROANOKE	03010103	2,015.0	0.0	0.0	0.0
Mayo River (Grogan)	ROCKINGHAM	Central Piedmont	ROANOKE	03010103	2,019.0	0.000	0.000	0.000
Mayo River (Hickory Creek)	ROCKINGHAM	Central Piedmont	ROANOKE	03010103	5,541.0	0.000	0.000	0.000
Mill Creek (Steele)	SURRY	Central Piedmont	YADKIN	03040101	1,069.0	0.000	0.000	0.000
New Hope Creek (Penny)	ORANGE	Central Piedmont	CAPE FEAR	03030002	1,360.0	0.000	0.000	0.000
New Hope Creek Realty	ORANGE	Central Piedmont	CAPE FEAR	03030002	705.0	0.000	0.000	0.000
New Hope Creek Realty	ORANGE	Central Piedmont	CAPE FEAR	03030002	975.0	0.000	0.000	0.000

Appendix D-1: Tier 1 High Quality Preservation Sites - Total Asset Project List

					Beginning Balances (feet/acres)			
Site Name	**County**	**Eco-region**	**River Basin**	**CU**	**Stream**	**Riparian**	**Non-riparian**	**Coastal Marsh**
Pickler's Bluff	ROWAN	Central Piedmont	YADKIN	03040102	415.0	0.000	0.000	0.000
Reedy Creek (Johnston)	WARREN	Central Piedmont	TAR-PAMLICO	03020102	5,491.0	0.000	0.000	0.000
Swift/Sandy Creek (A & P Timber)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	1,250.0	0.000	0.000	0.000
Swift/Sandy Creek (Faulkner)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	1,000.0	0.000	7.000	0.000
Sandy Creek (Mullen)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	2,065.0	0.000	0.000	0.000
Sandy Creek (Parrish)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	3,198.0	0.000	0.000	0.000
Swift/Sandy Creek (Young)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	5,710.0	44.600	0.000	0.000
Shelton Creek (Peterson)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	2,555.0	0.000	0.000	0.000
Shelton Creek (Thorpe II)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	4,388.0	0.000	0.000	0.000
Shocco (Alston Tracts 1-3)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020102	20,680.0	43.000	0.000	0.000
Shocco (Capps)	WARREN	Central Piedmont	TAR-PAMLICO	03020102	1,506.0	0.000	0.000	0.000
Shocco Creek (Davis)	WARREN	Central Piedmont	TAR-PAMLICO	03020102	739.0	1.200	0.450	0.000
Shocco Creek (Gupton)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020102	4,083.0	0.000	0.000	0.000
Eno River (Stevens Tract)	DURHAM	Central Piedmont	NEUSE	03020201	588.0	0.000	25.000	0.000
Swift Creek	WAKE	Central Piedmont	NEUSE	03020201	0.0	1.350	0.000	0.000
Swift Creek (Harper)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	2,300.0	0.000	0.000	0.000
Swift Creek (O'Neal-Sandy)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	1,116.0	11.400	0.000	0.000
Tar River (Averett)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	792.0	0.000	0.000	0.000
Tar River (B. Harris)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	2,685.0	0.900	0.000	0.000
Tar River (Betty Crews)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	2,740.0	0.000	0.000	0.000
Tar River (Roy Crews)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	667.0	0.000	0.000	0.000
Tar River (Dean)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	5,459.0	0.000	0.000	0.000
Shelton Creek (Guthrie)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	7,850.0	0.000	0.000	0.000
Tar River (Hodges)	FRANKLIN	Central Piedmont	TAR-PAMLICO	03020101	2,075.0	18.000	0.000	0.000
Aycock Creek (McNair)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	11,700.0	43.000	9.700	0.000
Tar River (Oakley)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	1,150.0	0.000	0.000	0.000
Tar River (Pitts)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	2,615.0	0.000	0.000	0.000
Tar River (Sherman 1)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	1,495.0	0.000	0.000	0.000
Tar River (Sherman 2)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	1,700.0	0.000	0.000	0.000
Tar River (Smitherman)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	1,108.0	0.000	1.590	0.000
North Fork Upper Tar River (Winslow)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	2,800.0	0.000	0.000	0.000
Shelton Creek (Tucker-Daniel)	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	2,246.0	0.000	0.000	0.000
Shelton Creek (Tucker-Daniel)-2	GRANVILLE	Central Piedmont	TAR-PAMLICO	03020101	907.0	0.000	0.000	0.000
Uwharrie River (Whatley)	RANDOLPH	Central Piedmont	YADKIN	03040103	2,500.0	0.000	0.000	0.000
Newton Tract/White Plains	CHATHAM	Central Piedmont	CAPE FEAR	03030003	1,000.0	0.000	0.000	0.000
					440,494.5	**521.970**	**43.740**	**0.000**
Fishing Creek (Edwards)	NASH	Northern Inner Coastal Plain	TAR-PAMLICO	03020102	4,756.0	13.200	0.000	0.000
Fishing Creek (Hall)	EDGECOMBE	Northern Inner Coastal Plain	TAR-PAMLICO	03020102	9,713.0	115.000	0.000	0.000
Roanoke River-IP-Blue Sky Timber	HALIFAX	Northern Inner Coastal Plain	ROANOKE	03010107	36,432.0	523.000	0.000	0.000
Tar River (Pories)	PITT	Northern Inner Coastal Plain	TAR-PAMLICO	03020103	2,719.0	0.000	0.000	0.000
					53,620.0	**651.200**	**0.000**	**0.000**
Big & Little Rock Creek (Bruchon)	MITCHELL	Northern Mountains	FRENCH BROAD	06010108	5,550.0	0.000	0.000	0.000

Appendix D-1: Tier 1 High Quality Preservation Sites - Total Asset Project List

					Beginning Balances (feet/acres)			
Site Name	**County**	**Eco-region**	**River Basin**	**CU**	**Stream**	**Riparian**	**Non-riparian**	**Coastal Marsh**
Elks Shoals - Methodist Camp	ASHE	Northern Mountains	NEW	05050001	3,370.0	0.000	0.000	0.000
Little Tablerock 1	MITCHELL	Northern Mountains	FRENCH BROAD	06010108	18,368.0	0.000	0.000	0.000
Little Table Rock 2	MCDOWELL	Northern Mountains	French Broad	06010108	6,123.0	0.000	0.000	0.000
Lone Mountain (NM)	MCDOWELL	Northern Mountains	BROAD	03050105	450.0	0.000	0.000	0.000
Mingo Tract	CALDWELL	Northern Mountains	YADKIN	03040101	29,024.0	0.000	0.000	0.000
New River Heights	ASHE	Northern Mountains	NEW	05050001	6,782.0	0.000	0.000	0.000
Sandy Mush	MADISON	Northern Mountains	FRENCH BROAD	06010105	14,700.0	0.000	0.000	0.000
Linville River-White Creek	BURKE	Northern Mountains	CATAWBA	03050101	45,863.0	0.000	0.000	0.000
					130,230.0	**0.000**	**0.000**	**0.000**
Chowan River (Harrell)	CHOWAN	Northern Outer Coastal Plain	CHOWAN	03010203	2,100.0	90.000	0.000	0.000
Cashie River-IP-Thunderbolt-Baltimore	BERTIE	Northern Outer Coastal Plain	ROANOKE	03010107	11,819.0	305.000	0.000	0.000
Roquist Pocosin	BERTIE	Northern Outer Coastal Plain	ROANOKE	03010107	0.0	0.000	390.000	0.000
					13,919.0	**395.000**	**390.000**	**0.000**
Big Pond Bay (Gardner)	CUMBERLAND	Southern Inner Coastal Plain	CAPE FEAR	03030006	0.0	0.000	21.900	0.000
Great Cohaire-TNC	SAMPSON	Southern Inner Coastal Plain	CAPE FEAR	03030006	154,660.0	4,000.000	0.000	0.000
Rhodes Pond	CUMBERLAND	Southern Inner Coastal Plain	CAPE FEAR	03030006	9,000.0	20.000	0.000	0.000
					163,660.0	**4,020.000**	**21.900**	**0.000**
Dupont Forest	TRANSYLVANIA	Southern Mountains	FRENCH BROAD	06010105	16,280.0	0.000	0.000	0.000
Lost Bridge	MACON	Southern Mountains	LITTLE TENNESSEE	06010202	10,650.0	0.000	0.000	0.000
Needmore	SWAIN	Southern Mountains	LITTLE TENNESSEE	06010202	96,446.0	30.000	0.000	0.000
Sandy Mush	BUNCOMBE	Southern Mountains	FRENCH BROAD	06010105	66,115.0	0.000	0.000	0.000
					189,491.0	**30.000**	**0.000**	**0.000**
Bird Island	BRUNSWICK	Southern Outer Coastal Plain	LUMBER	03040207	0.0	9.000	0.000	16.600
Wells Tract; Cape Fear River	PENDER	Southern Outer Coastal Plain	CAPE FEAR	03030007	2,675.0	90.000	0.000	0.000
Wallace Deer Club (Blanchard Tract)	PENDER	Southern Outer Coastal Plain	CAPE FEAR	03030007	2,340.0	26.000	1,034.000	0.000
Wallace Deer Club Tracts 3-5	PENDER	Southern Outer Coastal Plain	CAPE FEAR	03030007	4,760.0	0.000	0.000	0.000
					9,775.0	**125.000**	**1,034.000**	**16.600**
Barnes Creek (Grissom)	MONTGOMERY	Southern Piedmont	YADKIN	03040103	4,000.0	0.000	0.000	0.000
Broad River Greenway	CLEVELAND	Southern Piedmont	BROAD	03050105	20,359.0	0.000	0.000	0.000
Canal Branch (Bishop)	ANSON	Southern Piedmont	YADKIN	03040104	5,728.0	0.000	0.000	0.000
Deep River (Jordan)	MOORE	Southern Piedmont	CAPE FEAR	03030003	12,503.0	0.000	0.000	0.000
Deep - Horse Creek McKean	MOORE	Southern Piedmont	LUMBER	03040203	6,500.0	0.000	0.000	0.000
Deep River (Paschal)	MOORE	Southern Piedmont	CAPE FEAR	03030003	5,137.0	1.000	0.000	0.000
Drowning Crk (Camp McCall)	MOORE	Southern Piedmont	LUMBER	03040203	15,679.0	575.000	0.000	0.000
Drowning Creek (Forest Inv)	MOORE	Southern Piedmont	LUMBER	03040203	11,385.0	0.000	0.000	0.000
Beaver Dam-Drowning Creek II (Rankin Tract)	MOORE	Southern Piedmont	LUMBER	03040203	49,901.0	745.000	0.000	0.000
Dutch Buffalo Creek (Walker)	CABARRUS	Southern Piedmont	YADKIN	03040105	2,428.0	0.000	0.000	0.000
Dutch Buffalo Creek (Wickliff)	CABARRUS	Southern Piedmont	YADKIN	03040105	180.0	0.000	0.000	0.000
Glendon Slate Crk (Paschal)	MOORE	Southern Piedmont	CAPE FEAR	03030003	1,324.0	0.000	0.000	0.000

Appendix D-1: Tier 1 High Quality Preservation Sites - Total Asset Project List

					Beginning Balances (feet/acres)			
Site Name	**County**	**Eco-region**	**River Basin**	**CU**	**Stream**	**Riparian**	**Non-riparian**	**Coastal Marsh**
Green River (Boyer)	POLK	Southern Piedmont	BROAD	03050105	1,318.0	0.000	0.000	0.000
Green River (Ward)	POLK	Southern Piedmont	BROAD	03050105	1,973.0	0.000	0.000	0.000
Hitchcock Creek (McDonald)	RICHMOND	Southern Piedmont	YADKIN	03040201	2,600.0	0.000	0.000	0.000
Little River (Cochran)	MONTGOMERY	Southern Piedmont	YADKIN	03040104	1,495.0	0.000	0.000	0.000
Lone Mountain	RUTHERFORD	Southern Piedmont	BROAD	03050105	8,000.0	0.000	0.000	0.000
North Pacolet Childers	POLK	Southern Piedmont	BROAD	03050105	2,812.0	0.000	0.000	0.000
Old Cove Tract-Green River-Burdett Property	POLK	Southern Piedmont	BROAD	03050105	1,642.0	0.000	0.000	0.000
Rankin Gaston	GASTON	Southern Piedmont	CATAWBA	03050101	18,300.0	20.000	0.000	0.000
Skyuka Creek (Luthi)	POLK	Southern Piedmont	BROAD	03050105	1,993.0	0.000	0.000	0.000
Melrose Mountain Tobey	POLK	Southern Piedmont	BROAD	03050105	10,293.0	0.000	0.000	0.000
Uwharrie River (Bingham)	MONTGOMERY	Southern Piedmont	YADKIN	03040103	41,080.0	0.000	0.000	0.000
Uwharrie River (Cochran)	MONTGOMERY	Southern Piedmont	YADKIN	03040103	2,648.0	0.000	0.000	0.000
Uwharrie River Bluff	MONTGOMERY	Southern Piedmont	YADKIN	03040103	1,467.0	0.000	0.000	0.000
White Pines Hearn	LEE	Southern Piedmont	CAPE FEAR	03030003	5,120.0	0.000	0.000	0.000
Nat's Creek (Wimberley Tract)	MOORE	Southern Piedmont	LUMBER	03040203	3,051.0	3.300	0.000	0.000
					238,916.0	**1,344.300**	**0.000**	**0.000**
					1,240,105.5	**7,087.470**	**1,489.640**	**16.600**

Appendix D2: Tier 1 High Quality Preservation Sites - Total Asset Summary

Eco-region	Beginning Balances			
	Stream (feet)	Riparian Wetland (acres)	Non-Riparian Wetland (acres)	Coastal Marsh (acres)
Central Piedmont	440,494.50	521.970	43.740	0.000
Northern Inner Coastal Plain	53,620.00	651.200	0.000	0.000
Northern Mountains	130,230.00	0.000	0.000	0.000
Northern Outer Coastal Plain	13,919.00	395.000	390.000	0.000
Southern Inner Coastal Plain	163,660.00	4,020.000	21.900	0.000
Southern Mountains	189,491.00	30.000	0.000	0.000
Southern Outer Coastal Plain	9,775.00	125.000	1,034.000	16.600
Southern Piedmont	238,916.00	1,344.300	0.000	0.000
TOTAL HQP Beginning Balance	**1,240,105.50**	**7,087.47**	**1,489.64**	**16.60**

Appendix E1: Tier 1 High Quality Preservation Sites - Net Asset Summary

Eco-region	Remaining High Quality Preservation Assets			
	Stream (feet)	Riparian Wetland (acres)	Non-Riparian Wetland (acres)	Coastal Marsh (acres)
Central Piedmont	268,183.00	493.650	9.905	0.000
Northern Inner Coastal Plain	15,155.00	568.850	0.000	0.000
Northern Mountains	103,858.50	0.000	0.000	0.000
Northern Outer Coastal Plain	13,919.00	392.870	390.000	0.000
Southern Inner Coastal Plain	125,755.00	3,642.185	21.900	0.000
Southern Mountains	143,504.50	17.675	0.000	0.000
Southern Outer Coastal Plain	5,569.00	103.405	771.590	16.600
Southern Piedmont	176,979.50	1,315.650	0.000	0.000
TOTAL HQP Remaining Balance	**852,923.50**	**6,534.285**	**1,193.395**	**16.600**

Appendix E2: Tier 1 High Quality Preservation Sites - Asset Debit Summary

Eco-region	High Quality Preservation Assets Utilized			
	Stream (feet)	Riparian Wetland (acres)	Non-Riparian Wetland (acres)	Coastal Marsh (acres)
Central Piedmont	172,311.50	28.320	33.835	0.000
Northern Inner Coastal Plain	38,465.00	82.350	0.000	0.000
Northern Mountains	26,371.50	0.000	0.000	0.000
Northern Outer Coastal Plain	0.00	2.130	0.000	0.000
Southern Inner Coastal Plain	37,905.00	377.815	0.000	0.000
Southern Mountains	45,986.50	12.325	0.000	0.000
Southern Outer Coastal Plain	4,206.00	21.595	262.410	0.000
Southern Piedmont	61,936.50	28.650	0.000	0.000
TOTAL HQP Assets Utilized	**387,182.00**	**553.185**	**296.245**	**0.000**

Appendix F1 - MOA Permit Mitigation Requirements and Debits

							Restoration Requirements				Restoration Equivalent Requirements						Mitigation Applied																		Mitigation Not Met and DUE 6/30/2009												
TIP Number	River Basin	CU	NCDWQ Project ID Number	USACE Action ID Number	Date Restoration/Compensatory Mitigation Due	Eco-Region	Stream Restoration Mitigation	Riparian Restoration Mitigation	Nonriparian Restoration Mitigation	Coastal Marsh Restoration Mitigation	Stream Restoration Equivalent Mitigation	Riparian Restoration Equivalent Mitigation	Nonriparian Restoration Equivalent Mitigation	Coastal Marsh Restoration Equivalent Mitigation	Mitigation Site Utilized	Project Phase	Stream Restoration	Stream Enhancement I	Stream Enhancement II	Stream Preservation	HQP Stream Preservation	Riparian Restoration	Riparian Creation	Riparian Enhancement	Riparian Preservation	HQP Riparian Preservation	Nonriparian Restoration	Nonriparian Creation	Nonriparian Enhancement	Nonriparian Preservation	HQP Nonriparian Preservation	Coastal Marsh Restoration	Coastal Marsh Creation	Coastal Marsh Enhancement	Coastal Marsh Preservation	HQP Coastal MarshPreservation	Stream Warm Restoration	Stream Warm Equivalent	Stream Cool Restoration	Stream Cool Equivalent	Stream Cold Restoration	Stream Cold Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
B-4240	BROAD	03050105	N/A	2005-31848	07/22/06	SP	143				143				Cane Creek (FD)	Monitoring Year 2	143			715																												
B-4631	BROAD	03050105	2008-0504	2008-01055-381	6/30/2008	SM	76				0				Cane Creek (FD)	Monitoring Year 2	76																														
R-0505	BROAD	03050105	2008-1754	2008-03184	06/30/09	SM	1,251	0.05			865	0			Cane Creek (FD)	Monitoring Year 2	1,251			791		0.050																										
															Morgan Creek	Monitoring Year 1				3,534																												
B-4261	BROAD	03050105	2009-0403	2009-00806	06/30/09	SM	105	0	0	0	0	0	0	0	Cane Creek (FD)	Monitoring Year 2	105																																
BROAD 03050105 TOTALS	**BROAD**	**03050105**					**1,575.0**	**0.1**	**0.0**	**0.0**	**1,008.0**	**0.0**	**0.0**	**0.0**			**1,575.0**	**0.0**	**0.0**	**5,040.0**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
BROAD TOTALS							**1,575.0**	**0.050**	**0.000**	**0.000**	**1,008.0**	**0.000**	**0.000**	**0.000**			**1,575.0**	**0.0**	**0.0**	**5,040.0**	**0.0**	**0.050**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
U-2734	CAPE FEAR	03030001	2003-1327	1997-01755	07/22/05	SOCP	902	0	1.45	0	902	0	1.45	0	Jarmans Oak	Monitoring Year 3	1,804																															
															Wallace Deer Club (Blanchard Tract) (HQP)	HQP																		7.250												
															Jarmans Oak	Monitoring Year 3						1.450																									
CAPE FEAR 03030001 TOTALS	**CAPE FEAR**	**03030001**					**902.0**	**0**	**1.45**	**0**	**902.0**	**0**	**1.45**	**0**			**1,804**	**0**	**0**	**0**	**0.0**	**1.450**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**7.250**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3450	CAPE FEAR	03030002		2002-01134	07/22/05	CP	0	0.03	0	0	0	0.03	0	0	Allen Site (HQP)	HQP	0					0.000				0.150													0										
															Brown Farm	Monitoring Year 4						0.030																									
B-3451	CAPE FEAR	03030002		2002-01135 / 2004-21212	07/22/05	CP	0	0.185	0	0	0	0.185	0	0	Allen Site (HQP)	HQP										0.925																						
															Brown Farm	Monitoring Year 4						0.185																									
B-3651	CAPE FEAR	03030002		2004-21291, 2004-21293	07/22/05	CP	200	0	0	0	200	0	0	0	Holly Grove	Monitoring Year 2	200																																
															Haw River/Duke Forest (HQP)	HQP					1,000.0																										
R-2000AA/AB/AC	CAPE FEAR	03030002	2003-0918	2002-01863	07/22/05	CP	9,370	0	0	0	9,370	0	0	0	Harris Site (HQP)	HQP					35,378.5																										
															Little Mountain/Len's Knob (HQP)	HQP					11,471.5																										
															Holly Grove	Monitoring Year 2	438																														
															Collins Site	Monitoring Year 2	8,599	500																													
R-2000AA/AB/AC	CAPE FEAR	03030002	2003-0918	2002-01863	07/22/05	CP	435	0	0	0	435	0	0	0	Holly Grove	Monitoring Year 2	435																														
															Harris Site (HQP)	HQP					2,175.0																										
R-2904	CAPE FEAR	03030002		2002-20393 / 2004-21561	07/22/05	CP	49	0	0	0	49	0	0	0	Holly Grove	Monitoring Year 2	49																														
															Haw River/Duke Forest (HQP)	HQP					245.0																										
U-4012	CAPE FEAR	03030002	2004-2000	2000-20945	07/22/05	CP	164	0.71	0	0	164	0.71	0	0	Brown Farm	Monitoring Year 4						0.710		1.956																									
															Allen Site (HQP)	HQP										1.340																					
															Holly Grove	Monitoring Year 2	164																														
															Haw River/Duke Forest (HQP)	HQP					820.0																										
B-3848	CAPE FEAR	03030002	N/A	2001-21185	7/22/2006	CP	0	0.091	0	0	0	0	0	0	Brown Farm	Monitoring Year 4						0.091																										
R-2906A	CAPE FEAR	03030002	2001-0120	2001-20353	07/22/06	CP	26	0	0	0	26	0	0	0	Holly Grove	Monitoring Year 2	26																														
															Sharpe Wetland Preservation	Monitoring Complete				130																										
U-4026	CAPE FEAR	03030002	2005-1972	2001-20448	07/22/06	CP	1,008	0	0	0	987	0	0	0	Holly Grove	Monitoring Year 2	974																														
															Shocco (Alston Tracts 1-3) (HQP)	HQP					4,935.0																										
															Holly Grove	Monitoring Year 2	34																														
U-4026	CAPE FEAR	03030002	2005-1972	2001-20448	07/22/06	CP	0	0.22	0	0	0	0.22	0	0	Brown Farm	Monitoring Year 4						0.220																										
															Sharpe Wetland Preservation	Monitoring Complete									1.100																						
B-4000	CAPE FEAR	03030002	2007-0529	2007-1451-201	6/30/2007	CP	24	0	0	0	0	0	0	0	Holly Grove	Monitoring Year 2	24.0																														
U-3304	CAPE FEAR	03030002	2008-0371	2008-01188	6/30/2008	CP	161	0	0	0	0	0	0	0	Holly Grove	Monitoring Year 2	161.0																														
U-3303A	CAPE FEAR	03030002	2008-0691	2008-01454	6/30/2009	CP	317	0	0	0	0	0	0	0	Holly Grove	Monitoring Year 2	317.0																														
U-4006	CAPE FEAR	03030002	2008-1797	2009-00032	6/30/2009	CP	548	0	0	0	450	0	0	0	Holly Grove	Monitoring Year 2	548.0			2,250.0																										
CAPE FEAR 03030002 TOTALS	**CAPE FEAR**	**03030002**					**12,302.0**	**1.236**	**0**	**0**	**11,681.0**	**1.145**	**0**	**0**			**11,969**	**500.0**	**0**	**2,380**	**56,025.0**	**1.236**	**0.000**	**1.956**	**1.100**	**2.415**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
R-2610	CAPE FEAR	03030003	2004-0158	1997-00360	7/22/2005	CP	2,137	0.15	0.11	0	**2,137**	**0.15**	0.11	0	Allen Site (HQP)	HQP	0				7,950.0					1.300																						
															Eno River - Wilderness Site (HQP)	HQP					2,735.0																										
															UT to Rocky River (Smith Tract)	Monitoring Year 2	701	208	887																												
															Meredell Farm Site	Bidding-Construction		197																													
															Carbonton Dam (2984 Portion)	Monitoring Year 4	812																														
															Sandy Creek	Long Term Mgmt						0.150																									
																																													0.110		
U-2717	CAPE FEAR	03030003	2004-0341	2004-20685	7/22/2005	CP	410	0	0	0	**410**	**0**	0	0	Haw River-Duke Forest (HQP)	HQP					2,050.0																										
															UT to Rocky River (Smith Tract)	Monitoring Year 2	410																														
U-3612	CAPE FEAR	03030003	2004-1760	2005-20523 / 2005-20524	07/22/05	CP	89	0.06	0	0	89	0.06	0	0	Carbonton Dam (2984 Portion)	Monitoring Year 4	88																														
															Carbonton Dam (2984 Portion)	Monitoring Year 4	1																														
															Newton Tract/White Plains (HQP)	HQP					445.0																										
															Sandy Creek	Long Term Mgmt						0.060																									
															Little Shocco (Tomlinson) (HQP)	HQP										0.300																					
R-0609IA/IB/R-2606	CAPE FEAR	03030003	2006-0331	2004-00340	06/30/07	CP	17,690	1.89	2.03	0	17,690	1.89	2.03	0	Bear Creek (Phillips Tract)	Design	3,250																														
															Bowman Site	Design	1,501		173	50																											
															Greenbriar Creek	Design		3,291		4,000																											
															Carbonton Dam (2984 Portion)	Monitoring Year 4	8,028																														
															Meredell Farm Site	Bidding-Construction		355																													
															UT to Sandy Creek (Williams Tract)	Monitoring Year 1	2,590																														
															UT to West Fork of Deep River	Design	1,832	990		2,040																											
															Carbonton Dam (2984 Portion)	Monitoring Year 4	3,011																														
															Carbonton Dam (2984 Portion)	Monitoring Year 4	5,440																														
															Carbonton Dam (2984 Portion)	Monitoring Year 4	2,896																														
															UT Bear Creek (Weaver/McLeod property)	Bidding-Construction	2,454																														
															Sandy Creek	Long Term Mgmt						2.210																									
															Eno River (Stevens Tract) (HQP)	HQP																		6.975												
															Swift/Sandy Creek (Faulkner)	HQP																		3.175												
															Sandy Creek	Long Term Mgmt						0.250																									
																																												2.030		
CAPE FEAR 03030003 TOTALS	**CAPE FEAR**	**03030003**					**20,326.0**	**2.1**	**2.14**	**0**	**20,326.0**	**2.1**	**2.14**	**0**			**33,014**	**5,041.0**	**1,060**	**6,090**	**13,180.0**	**2.670**	**0.000**	**0.000**	**6.600**	**1.600**	**0.000**	**0.000**	**0.000**	**0.000**	**10.150**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**2.140**	**0.000**	**0.000**	**0.000**
B-4152	CAPE FEAR	03030004		2002-00650	07/22/05	SICP		0.04				0.04			Blue Mitigation Site	Monitoring Complete	0								0.200																						
															Farrar Dairy	Monitoring Year 1						0.040																									
U-0620	CAPE FEAR	03030004	2004-0806	1997-04287	7/22/2005	SICP	1,215	2.35			**1,215**	**2.35**			Great Coharie Site (HQP)	HQP					6,075.0					11.750																						
															Lick Creek (16-D04011)	Monitoring Year 4	1,215																														
															Farrar Dairy	Monitoring Year 1						2.350																									
U-0620 Add'l-2	CAPE FEAR	03030004	2004-0806	1997-04287	07/22/05	SICP		0.12				0.12			Great Coharie Site (HQP)	HQP										0.600																						
															Farrar Dairy	Monitoring Year 1						0.120																									
U-2912	CAPE FEAR	03030004	2004-1244	2000-00913	7/22/2005	SICP	301	1.6	0.09		**301**	**1.6**	**0.09**		Great Coharie Site (HQP)	HQP					1,505.0					8.450																						
															Lick Creek (16-D04011)	Monitoring Year 4	301																														
															Hillcrest Bay (16-D04011)	Monitoring Year 4											0.090																				
															Farrar Dairy	Monitoring Year 1						1.600																									
U-2912 Add'l	CAPE FEAR	03030004	2004-1245	2000-00913	07/22/05	SICP		0.06				0.06			Great Coharie Site (HQP)	HQP										0.300																						
															Farrar Dairy	Monitoring Year 1						0.060																									
U-3311B	CAPE FEAR	03030004		1998-01418	07/22/05	SICP		0.19				0.19			Great Coharie Site (HQP)	HQP										0.950																						
															Farrar Dairy	Monitoring Year 1						0.190																									
R-2417BB	CAPE FEAR	03030004	N/A	2002-01326	07/22/06	SP	190				190				Lick Creek (16-D04011)	Monitoring Year 4	190																														
															Barnes Creek (Grissom) (HQP)	HQP					950.0																									
R-0210	CAPE FEAR	03030004	2001-0404	1993-00570	6/30/2007	SP		17.3				0			Privateer	Monitoring Year 4						17.300																									
R-2417C	CAPE FEAR	03030004	2000-1432	2002-20899	06/30/09	SP	259	0.75			259	0.75			Blue Mitigation Site	Monitoring Complete					1,295.0				3.750																						
															Farrar Dairy	Monitoring Year 1	259					0.750																									
U-2810A	CAPE FEAR	03030004	2008-1731	2008-02927	06/30/09	SICP	273	0.9			273	0.9			Blue Mitigation Site	Monitoring Complete					1,365.0				4.500																						
															Farrar Dairy	Monitoring Year 1	273					0.900																									
U-3849	CAPE FEAR	03030004	2008-1716	2008-03314	6/30/2009	SICP	554	0.15			**436**	**0**			Blue Mitigation Site	Monitoring Complete					1,540.0																										
															Farrar Dairy	Monitoring Year 1	554			150		0.150																									
															Wildcat Branch	NonHQP-Option Signed				490																											

Updated 3/31/2010

Appendix F1 - MOA Permit Mitigation Requirements and Debits

							Restoration Requirements				Restoration Equivalent Requirements						Mitigation Applied																	Mitigation Not Met and DUE 6/30/2009													
TIP Number	River Basin	CU	NCDWQ Project ID Number	USACE Action ID Number	Date Restoration/Compensatory Mitigation Due	Eco-Region	Stream Restoration Mitigation	Riparian Restoration Mitigation	Nonriparian Restoration Mitigation	Coastal Marsh Restoration Mitigation	Stream Restoration Equivalent Mitigation	Riparian Restoration Equivalent Mitigation	Nonriparian Restoration Equivalent Mitigation	Coastal Marsh Restoration Equivalent Mitigation	Mitigation Site Utilized	Project Phase	Stream Restoration	Stream Enhancement I	Stream Enhancement II	Stream Preservation	HQP Stream Preservation	Riparian Restoration	Riparian Creation	Riparian Enhancement	Riparian Preservation	HQP Riparian Preservation	Nonriparian Restoration	Nonriparian Creation	Nonriparian Enhancement	Nonriparian Preservation	HQP Nonriparian Preservation	Coastal Marsh Restoration	Coastal Marsh Creation	Coastal Marsh Enhancement	Coastal Marsh Preservation	HQP Coastal MarshPreservation	Stream Warm Restoration	Stream Warm Equivalent	Stream Cool Restoration	Stream Cool Equivalent	Stream Cold Restoration	Stream Cold Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
CAPE FEAR 03030004 TOTALS	**CAPE FEAR**	**03030004**					**2,792.0**	**23.46**	**0.09**	**0**	**2,674.0**	**6.01**	**0.09**	**0**			**2,792**	**0**	**0**	**640**	**12,730.0**	**23.460**	**0.000**	**0.000**	**8.450**	**22.050**	**0.090**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3115	CAPE FEAR	03030005		2001-00914	7/22/2005	SOCP	0	0	0.17	0	0	0	0	0	Dale Tract	Monitoring Year 7	0										0.170																			
R-2562	CAPE FEAR	03030005	2004-1253	2002-00048	7/22/2005	SICP	223	1.01	0.36	0	**223**	**1.01**	**0.36**	0	Great Coharie Site (HQP)	HQP					1,115.0				6.850																				
															Privateer (DOT FD)	Monitoring Year 4	223																														
															Privateer (DOT FD)	Monitoring Year 4						1.010																								
															Dale Tract	Monitoring Year 7											0.360																			
CAPE FEAR 03030005 TOTALS	**CAPE FEAR**	**03030005**					**223.0**	**1.01**	**0.53**	**0**	**223.0**	**1.01**	**0.36**	**0**			**223**	**0**	**0**	**0**	**1,115.0**	**1.010**	**0.000**	**0.000**	**0.000**	**6.850**	**0.530**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3906	CAPE FEAR	03030006		2001-01309	07/22/05	SICP	0	0.11	0	0	0	0.11	0	0	Great Coharie Site (HQP)	HQP	0									0.550																				
															Rowan Branch	Design						0.110																								
CAPE FEAR 03030006 TOTALS	**CAPE FEAR**	**03030006**					**0.0**	**0.11**	**0**	**0**	**0.0**	**0.11**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.110**	**0.000**	**0.000**	**0.000**	**0.550**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3887	CAPE FEAR	03030007		2000-01528	7/22/2005	SOCP	0	0.017	0	0	0	0.017	0	0	Grove Creek	Monitoring Year 4	0					0.017			0.085																				
B-4320	CAPE FEAR	03030007		2004-11289	07/22/05	SICP	0	0.13	0	0	0	0.13	0	0	Great Coharie Site (HQP)	HQP										0.650																				
															Grove Creek	Monitoring Year 4						0.130																								
B-4215	CAPE FEAR	03030007	N/A	2001-01175	07/22/06	SOCP	0	0.003	0	0	0	0.003	0	0	Haw's Run	Monitoring Year 7						0.003																								
															NE CAPE FEAR Wells Tract (HQP)	HQP										0.015																				
B-4224	CAPE FEAR	03030007	N/A	2003-00882	7/22/2006	SICP/SOCP	0	0.32	0	0	0	**0.32**	0	0	Haw's Run	Monitoring Year 7						0.320			1.600																				
CAPE FEAR 03030007 TOTALS	**CAPE FEAR**	**03030007**					**0.0**	**0.47**	**0**	**0**	**0.0**	**0.47**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.470**	**0.000**	**0.000**	**1.685**	**0.665**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
CAPE FEAR TOTALS							**36,545.0**	**28.386**	**4.210**	**0.000**	**35,806.0**	**10.845**	**4.040**	**0.000**			**49,801.5**	**5,541.0**	**1,060.0**	**9,110.0**	**83,050.0**	**30.406**	**0.000**	**1.956**	**17.835**	**34.130**	**0.620**	**0.000**	**0.000**	**0.000**	**17.400**	**0.000**	**0.000**	**0.000**	**0.000**		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**2.140**	**0.000**	**0.000**	**0.000**
B-3873	CATAWBA	03050101		2005-30185 / 2005-30186	07/22/05	NM	125	0	0	0	125	0	0	0	Little Tablerock (HQP)	HQP					625.0																									
															Silver Creek-Conway/Queen	Monitoring Year 3	125																												
R-2206B/C	CATAWBA	03050101	2004-1024	2004-31320	7/22/2005	CP	1,939.3				**1,939.3**				Haw River - Duke Forest (HQP)	HQP					9,696.5																								
															North Muddy Creek	Monitoring Year 1	1,939.3																												
								0.593				**0.593**			Allen Site (HQP)	HQP										2.965																				
															North Muddy Creek	Monitoring Year 1						0.593																								
									1.866				**1.866**		Stevens Pennys Bend (HQP)	HQP														9.330															
															North Muddy Creek	Monitoring Year 1											1.866																			
R-2206B/C	CATAWBA	03050101	2004-1024	2004-31320	7/22/2005	SP	11,381.6				**11,381.6**				Linville River-White Creek (HQP)	HQP					22,931.5																								
															Broad River Greenway (HQP)	HQP					3,704.5																								
															Beaver Dam-Drowning Creek II (Rankin Tract) (HQP)	HQP					12,614.5																								
															Rankin Gaston (HQP)	HQP					9,150.0																								
															Canal Branch-Bishop (HQP)	HQP					2,864.0																								
															Uwharrie River Bluff (HQP)	HQP					733.5																								
															Lone Mountain (SP) (HQP)	HQP					4,000.0																								
															Nat's Creek (Wimberley Tract) (HQP)	HQP					910.0																								
															North Muddy Creek	Monitoring Year 1	1,394.7																												
															Gray Farm	Monitoring Year 4	7,610																												
															Thompson's Fork and Tributary	Monitoring Year 1	2,376.9																												
								3.405	0.355			**3.405**	**0.355**		Beaver Dam-Drowning Creek II (Rankin Tract) (HQP)	HQP										18.8																				
															North Muddy Creek	Monitoring Year 1						1.050																								
															North Muddy Creek	Monitoring Year 1						2.355					0.355																			
R-2237B	CATAWBA	03050101	2004-1246	2004-21367	7/22/2005	NM	791		0.16		791		0.16		Silver Creek-Conway	Monitoring Year 3	1,582																												
															North Muddy Creek	Monitoring Year 1											0.320																			
U-2408	CATAWBA	03050101		2004-31321	7/22/2005	SP	564				0				North Muddy Creek	Monitoring Year 1	530	51																											
B-3822	CATAWBA	03050101	N/A	2004-31383	7/22/2006	CP	120	0	0	0	120	0	0	0	Silver Creek-Conway	Monitoring Year 3	120			166																								
															North Muddy Creek	Monitoring Year 1				434																								
B-4040	CATAWBA	03050101	N/A	2005-32587	07/22/06	NM	98	0	0	0	98	0	0	0	Mingo Creek (HQP)	HQP					490.0																								
															Silver Creek-Conway	Monitoring Year 3	98																												
B-4041	CATAWBA	03050101	N/A	2006-30362	07/22/06	NM	160	0	0	0	160	0	0	0	Silver Creek-Conway	Monitoring Year 3	160																												
															North Muddy Creek	Monitoring Year 1				800																								
R-2206B/C	CATAWBA	03050101	2004-1024	N/A	7/22/2007	CP	155	0.09	0	0	155	0.09	0	0	Silver Creek-Conway	Monitoring Year 3	155																												
															North Muddy Creek	Monitoring Year 1				775		0.090			0.450																				
R-2206B/C	CATAWBA	03050101	2004-1024	N/A	7/22/2007	SP	70	0	0	0	70	0	0	0	Silver Creek-Conway	Monitoring Year 3	93																												
															North Muddy Creek	Monitoring Year 1				234																								
B-4192	CATAWBA	03050101		2006-41326-359	7/22/2007	NM	92	0	0	0	92	0	0	0	Thompson's Fork and Tributary	Monitoring Year 1	184.0																												
B-3126	CATAWBA	03050101	2007-0583	2007-1591-214	6/30/2007	NM	35	0	0	0	35	0	0	0	Silver Creek-Conway	Monitoring Year 3	70.0																												
B-4197	CATAWBA	03050101		2007-3924-359	6/30/2008	NM	167	0	0	0	0	0	0	0	Thompson's Fork and Tributary	Monitoring Year 1	167.0																												
B-4196	CATAWBA	03050101		2008-00891-359	6/30/2008	NM	81	0	0	0	0	0	0	0	Thompson's Fork and Tributary	Monitoring Year 1	81.0																												
B-4038	Catawba	03050101	2008-0050	2008-00134	06/30/08	NM	160	0	0	0	160	0	0	0	MOA Credit Purchase Brown Branch	Long Term Management	228																												
															Big & Little Rock Creek (Bruchon)	HQP					460.0																								
R-3833B	CATAWBA	03050101	2008-0999	2008-01982	6/30/2009	CP	729	0	0	0	0	0	0	0	Silver Creek-Conway	Monitoring Year 3	729.0																												
U-3447	CATAWBA	03050103		2008-02902-360	6/30/2009	SP	250	0.19	0	0	0	0	0	0	North Muddy Creek	Monitoring Year 1		187.5	312.5			0.190																								
CATAWBA 03050101 TOTALS	**CATAWBA**	**03050101**					**16,917.9**	**4.278**	**2.381**	**0**	**15,126.9**	**4.088**	**2.381**	**0**			**17,642.9**	**239**	**313**	**2,409**	**68,179.5**	**4.278**	**0.000**	**0.000**	**0.450**	**21.765**	**2.541**	**0.000**	**0.000**	**0.000**	**9.330**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
U-2404A	CATAWBA	03050102	2003-1048	2003-31233	07/22/05	CP		0.22				0.22			Harris Site (HQP)	HQP	0									1.100																				
															Pott Creek (DOT FD)	Monitoring Complete						0.440																								
U-2404A	CATAWBA	03050102	2003-1048	2003-31233	7/22/2005	CP	2,128				**2,128**				Eno River/Poplar Ridge (HQP)	HQP					3,138.5																								
															Harris Site (HQP)	HQP					6,671.5																								
															Haw River/Phillips Site (HQP)	HQP					830.0																								
															South Fork	Monitoring Year 4	2,128																												
CATAWBA 03050102 TOTALS	**CATAWBA**	**03050102**					**2,128.0**	**0.22**	**0**	**0**	**2,128.0**	**0.22**	**0**	**0**			**2,128**	**0**	**0**	**0**	**10,640.0**	**0.000**	**0.440**	**0.000**	**0.000**	**1.100**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
U-2510A	CATAWBA	03050103	2007-0221	2004-00700-360	6/30/2008	SP	446.0	0.91	0.37	0	**446.0**	0.91	0.37	0	Pott Creek	Monitoring Complete	892.0						4.104	0.760	0.360																		0.370	0.370		
CATAWBA 03050103 TOTALS	**CATAWBA**	**03050103**					**446.0**	**0.91**	**0.37**	**0**	**446.0**	**0.91**	**0.37**	**0**			**892**	**0**	**0**	**0**	**0.0**	**0.000**	**4.104**	**0.760**	**0.360**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.370**	**0.370**	**0.000**	**0.000**
CATAWBA TOTALS							**19,491.9**	**5.408**	**2.751**	**0.000**	**17,700.9**	**5.218**	**2.751**	**0.000**			**20,662.9**	**238.5**	**312.5**	**2,409.0**	**78,819.5**	**4.3**	**4.5**	**0.8**	**0.8**	**22.9**	**2.5**	**0.0**	**0.0**	**0.0**	**9.3**	**0.0**	**0.0**	**0.0**	**0.0**		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.4**	**0.4**	**0.0**	**0.0**
B-3636	CHOWAN	03010203	N/A	2005-10073	07/22/06	NOCP	0	0.2	0	0	0	0.2	0	0	Cashie River-IP-Thunderbolt-Baltimore (HQP)	HQP										1.000																				
															Powell Property	Monitoring Year 1						0.200																								
B-3640	CHOWAN	03010203	N/A	2006-10572	07/22/06	NOCP	0	0.19	0	0	0	0.19	0	0	Cashie River-IP-Thunderbolt-Baltimore (HQP)	HQP										0.950																				
															Powell Property	Monitoring Year 1						0.190																								
B-4073	CHOWAN	03010203		2008-01090-121	6/30/2008	NOCP		0.03				0.03			Powell Property	Monitoring Year 1						0.060																								
CHOWAN 03010203 TOTALS	**CHOWAN**	**03010203**					**0.0**	**0.42**	**0**	**0**	**0.0**	**0.42**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.450**	**0.000**	**0.000**	**0.000**	**1.950**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	CHOWAN	03010201					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
CHOWAN 03010201 TOTALS	**CHOWAN**	**03010201**					**0.0**	**0**	**0**	**0**	**0.0**	**0**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	CHOWAN	03010202					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
CHOWAN 03010202 TOTALS	**CHOWAN**	**03010202**					**0.0**	**0**	**0**	**0**	**0.0**	**0**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**		**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	CHOWAN	03010204					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000

Appendix F1 - MOA Permit Mitigation Requirements and Debits

								Restoration Requirements				Restoration Equivalent Requirements						Mitigation Applied														Mitigation Not Met and DUE 6/30/2009											
TIP Number	River Basin	CU	NCDWQ Project ID Number	USACE Action ID Number	Date Restoration/Compensatory Mitigation Due	Eco-Region	Stream Restoration Mitigation	Riparian Restoration Mitigation	Nonriparian Restoration Mitigation	Coastal Marsh Restoration Mitigation	Stream Restoration Equivalent Mitigation	Riparian Restoration Equivalent Mitigation	Nonriparian Restoration Equivalent Mitigation	Coastal Marsh Restoration Equivalent Mitigation	Mitigation Site Utilized	Project Phase	Stream Restoration	Stream Enhancement I	Stream Enhancement II	Stream Preservation	HQP Stream Preservation	Riparian Restoration	Riparian Creation	Riparian Enhancement	Riparian Preservation	HQP Riparian Preservation	Nonriparian Restoration	Nonriparian Creation	Nonriparian Enhancement	Nonriparian Preservation	HQP Nonriparian Preservation	Coastal Marsh Restoration	Coastal Marsh Creation	Coastal Marsh Enhancement	Coastal Marsh Preservation	HQP Coastal MarshPreservation	Stream Warm Restoration	Stream Warm Equivalent	Stream Cool Restoration	Stream Cool Equivalent	Stream Cold Restoration	Stream Cold Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
CHOWAN 03010204 TOTALS	**CHOWAN**	**03010204**					0.0	0	0	0	0.0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
CHOWAN TOTALS							**0.0**	**0.420**	**0.000**	**0.000**	**0.0**	**0.420**	**0.000**	**0.000**			**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.450**	**0.000**	**0.000**	**0.000**	**1.950**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3310	FRENCH BROAD	06010105		2004-30959 / 2004-30960	07/22/05	SM		0.615				0.615			Needmore Tract (HQP)	HQP	0									3.075																				
															MOA Credit Purchase Fletcher-Meritor site	Design						0.615																									
R-0619E	FRENCH BROAD	06010105	2005-0071	2004-30595	7/22/2005	SM	718				718				Sandy Mush (Phase II)	Monitoring Year 2			520																										
															Sandy Mush (Phase II)	Monitoring Year 2			1,275																										
															Sandy Mush (HQP)	HQP					3,590.0																										
R-2813C	FRENCH BROAD	06010105	2004-0124	2004-30567	7/22/2005	SM			0.21				0.21		Needmore Tract (HQP)	HQP									1.050																				
															MOA Credit Purchase Fletcher-Meritor site	Design						0.210																									
B-3663	FRENCH BROAD	06010105	N/A	2005-32503 / 2005-32504	07/22/06	SM	43	0	0	0	43	0	0	0	Needmore Tract (HQP)	HQP					215.0																										
															Sandy Mush (Phase II)	Monitoring Year 2			108																										
B-3665	FRENCH BROAD	06010105	N/A	2002-30311	7/22/2006	SM	170	**0.019**	0	0	0	**0**	0	0	Sandy Mush (Phase II)	Monitoring Year 2			425																										
															MOA Credit Purchase Fletcher-Meritor site	Design						0.019																									
I-4401	FRENCH BROAD	06010105	N/A	2005-31478	7/22/2006	SM	156	0.014	0	0	156	**0.014**	0	0	Needmore Tract (HQP)	HQP					781.5																										
															Mud Creek	Monitoring Complete								0.028																						
															MOA Credit Purchase Fletcher-Meritor site	Design						0.014																									
															Sandy Mush (Phase II)	Monitoring Year 2			391																										
R-2813B	FRENCH BROAD	06010105		2007-3084-311	06/30/08	SM	467	0.38							Newfound Creek 1	Design	467																												
															MOA Credit Purchase Fletcher-Meritor site	Design						0.380																									
R-2518A	FRENCH BROAD	06010105	2007-1134	2007-02197-357/300	6/30/2008	NM		0.26	0.16						MOA Credit Purchase Fletcher-Meritor site	Design						0.260																							0.160		
R-4430	FRENCH BROAD	06010105	2008-1327	2008-02564	6/30/2009	SM	656	0	0	0	0	0	0	0	Newfound Creek 1	Design	656.0																												
FRENCH BROAD 06010105 TOTAL	**FRENCH BROAD**	**06010105**					2,210.3	1.288	0.37	0	917.3	0.629	0.21	0			1,123.0	0	2,718	0	4,586.5	1.498	0.000	0.028	0.000	4.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.160	0.000	0.000	0.000
B-3856	FRENCH BROAD	06010106		2007-1871-345	6/30/2008	SM	50				50				Morgan Creek (French Broad)	Monitoring Year 1	100.0																												
FRENCH BROAD 06010106 TOTAL	**FRENCH BROAD**	**06010106**					50.0	0	0	0	50.0	0	0	0			100	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
R-2518B/R-2519A	FRENCH BROAD	06010108	2007-1134	2007-02197-357/300	6/30/2008	NM	902.0	0.12	0.11						Three Mile Creek - Restoration Systems	Monitoring Year 1	902.0					0.120																							0.110		
R-2518B/R-2519A	FRENCH BROAD	06010108	2007-1134	2007-02197-357/300	6/30/2008	NM	645.0	0.25	0.04						Three Mile Creek - Restoration Systems	Monitoring Year 1	645.0					0.250																							0.040		
FRENCH BROAD 06010108 TOTAL	**FRENCH BROAD**	**06010108**					**1,547.0**	**0.37**	**0.15**	**0**	**0.0**	**0**	**0**	**0**			**1,547**	**0**	**0**	**0**	**0.0**	**0.370**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.150**	**0.000**	**0.000**	**0.000**
FRENCH BROAD TOTALS							**3,807.3**	**1.658**	**0.520**	**0.000**	**967.3**	**0.629**	**0.210**	**0.000**			**2,770.0**	**0.0**	**2,718.3**	**0.0**	**4,586.5**	**1.868**	**0.000**	**0.028**	**0.000**	**4.125**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.310**	**0.000**	**0.000**	**0.000**
R-0977A	HIWASSEE	06020002	2004-1594	2005-30150	7/22/2005	SM	6,011	0.82			6,011	**0.82**			Needmore Tract (HQP)	HQP					40,560.0				8.200																				
															Credit Purchase - Trout Cove Branch	Monitoring Year 3	3,663																												
															UT to Martins Creek (Contreras) Property	Design	2,348					0.820																									
A-0011BB	Hiwassee	06020002	2008-0396	2008-00857	8/8/2008	SM	129.0		0.066		**129.0**				Martins Creek II	Design	129.0			645.0																							0.066		
A-0011BB	Hiwassee	06020002	2008-0396	2008-00857	8/8/2008	SM	188				188				Martins Creek II	Design	188			940																									
R-3622AA	Hiwassee	06020002	2008-0762	2008-01431		SM	205	1.59			205	**0**			Martins Creek II	Design	205			1,025		1.590																							
HIWASSEE 06020002 TOTALS							6,533.0	2.41	0.066	0	6,533.0	0.82	0	0			6,533	0	0	2,610	40,560.0	2.410	0.000	0.000	0.000	8.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.066	0.000	0.000	0.000
	HIWASSEE	06020003					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
HIWASSEE 06020003 TOTALS	**HIWASSEE**	**06020003**					0.0	0	0	0	0.0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
HIWASSEE TOTALS							**6,533.0**	**2.410**	**0.066**	**0.000**	**6,533.0**	**0.820**	**0.000**	**0.000**			**6,533.0**	**0.0**	**0.0**	**2,610.0**	**40,560.0**	**2.410**	**0.000**	**0.000**	**0.000**	**8.200**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.066**	**0.000**	**0.000**	**0.000**
R-2408A	LITTLE TENNESSEE	06010202		2007-3101-356	6/30/2008	SM	167								Cat Creek	Bidding-Construction	167																												
LITTLE TENNESSEE 06010202 TO	**LITTLE TENNESSEE**	**06010202**					167.0	0	0	0	0.0	0	0	0			167	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
	LITTLE TENNESSEE	06010203					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
LITTLE TENNESSEE 06010203 TO	**LITTLE TENNESSEE**	**06010203**					0.0	0	0	0	0.0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
	LITTLE TENNESSEE	06010204					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
LITTLE TENNESSEE 06010204 TO	**LITTLE TENNESSEE**	**06010204**					0.0	0	0	0	0.0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
LITTLE TENNESSEE TOTALS							**167.0**	**0.000**	**0.000**	**0.000**	**0.0**	**0.000**	**0.000**	**0.000**			**167.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
R-0513	LUMBER	03040203	2004-0734	2003-00999	7/22/2005	SICP	2,701	5.287	57.293		2,701	**5.287**	57.293		Great Coharie Site (HQP)	HQP	0				27,010.0				312.900																				
															UT To The Lumber River	Bidding-Construction	2,701																												
															Juniper Bay	Monitoring Year 4										8.703																				
															Columbus Swamp	Monitoring Year 2						5.287																								
															Juniper Bay	Monitoring Year 4										48.590																				
R-2562	LUMBER	03040203	2004-1253	2002-00048	07/22/05	SICP	217	0.91	2.03		217	0.91	2.03		Great Coharie Site (HQP)	HQP					1,085.0				14.700																				
															UT To The Lumber River	Bidding-Construction	217																												
															Columbus Swamp	Monitoring Year 2						0.910																								
															Juniper Bay	Monitoring Year 4										2.030																				
R-2502B	LUMBER	03040203	2007-1823	1998-01941-063	06/30/09			5.18				5.18			Columbus Swamp	Monitoring Year 2						5.180																								
															Meadowbranch (Fivemile Branch)	Construction								10.360																						
LUMBER 03040203 TOTALS							2,918.0	11.377	59.323	0	2,918.0	11.377	59.323	0			2,918	0	0	0	28,095.0	11.377	0.000	10.360	0.000	327.600	59.323	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
B-4248	LUMBER	03040204		2002-00651	07/22/05	SICP		0.14				0.14			Great Coharie Site (HQP)	HQP	0								0.700																				
															Brown Marsh Swamp	Monitoring Year 2						0.140																								
LUMBER 03040204 TOTALS							0.0	0.14	0	0	0.0	0.14	0	0			0	0	0	0	0.0	0.140	0.000	0.000	0.000	0.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
SR 1723	LUMBER	03040206		2004-01095	07/22/05	SICP			0.02				0.02		Mill Branch	Monitoring Year 3	0						0.060							0.100														
B-4030	LUMBER	03040206	2009-0072	2004-00422	6/30/2009	SOCP	0	0.45	0	0	**0**	**0.45**	0	0	Mill Branch	Monitoring Year 3							0.190		2.250																	0.387					
LUMBER 03040206 TOTALS							0.0	0.45	0.02	0	0.0	0.45	0.02	0			0	0	0	0	0.0	0.000	0.060	0.190	0.000	2.250	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.387	0.000	0.000	0.000	0.000	0.000
R-2245	LUMBER	03040207	2007-0047	2005-06041	6/30/2007	SOCP	15	0.026	21.422	0	**15**	**0.026**	21.422	0	Wallace Deer Club (Blanchard Tract) (HQP)	HQP					75.0				0.130						107.110					15						0.026					
															Plum Creek	Monitoring Year 1										21.422																				
LUMBER 03040207 TOTALS	**LUMBER**	**03040207**					15.0	0.026	21.422	0	15.0	0.026	21.422	0			0	0	0	0	75.0	0.000	0.000	0.000	0.000	0.130	21.422	0.000	0.000	0.000	107.110	0.000	0.000	0.000	0.000	15	0	0	0	0	0	0.026	0.000	0.000	0.000	0.000	0.000
LUMBER TOTALS							**2,933.0**	**11.993**	**80.765**	**0.000**	**2,933.0**	**11.993**	**80.765**	**0.000**			**2,918.0**	**0.0**	**0.0**	**0.0**	**28,170.0**	**11.517**	**0.060**	**10.550**	**0.000**	**330.680**	**80.745**	**0.000**	**0.000**	**0.100**	**107.110**	**0.000**	**0.000**	**0.000**	**0.000**	**15.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.413**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3375	NEUSE	03020201		2000-21133	07/22/05	CP		0.134				0.134			Speight Branch	Long Term Mgmt	0						0.268																				
															Neu-Con MBI (Westbrook)	Monitoring Year 5						0.134																								
B-3521	NEUSE	03020201	2003-1456	2001-20071	07/22/05	CP		0.233				0.233			Allen Site (HQP)	HQP									1.165																				
															Neu-Con MBI (Westbrook)	Monitoring Year 5						0.233																								
B-3521	NEUSE	03020201	2003-1456	2001-20071	07/22/05	CP		0.08				0.08			Speight Branch	Long Term Mgmt							0.160																						
															Neu-Con MBI (Westbrook)	Monitoring Year 5						0.080																								
B-3522	NEUSE	03020201		2000-21136	07/22/05	CP		0.03				0.03			Speight Branch	Long Term Mgmt							0.060																						
															Neu-Con MBI (Westbrook)	Monitoring Year 5						0.030																								
B-3703	NEUSE	03020201		2001-20074 / 2005-20102	07/22/05	CP		0.01				0.01			Langley Cypress Creek (HQP)	HQP									0.050																				
															Neu-Con MBI (Westbrook)	Monitoring Year 5						0.010																								
B-3704	NEUSE	03020201	2004-0906	2001-20075 / 2004-21220	07/22/05	CP	108				108				Lowell Mill	Monitoring Year 4	108																												

Appendix F1 - MOA Permit Mitigation Requirements and Debits

							Restoration Requirements				Restoration Equivalent Requirements					Mitigation Applied																				Mitigation Not Met and DUE 6/30/2009																			
TIP Number	River Basin	CU	NCDWQ Project ID Number	USACE Action ID Number	Date Restoration/Compensatory Mitigation Due	Eco-Region	Stream Restoration Mitigation	Riparian Restoration Mitigation	Nonriparian Restoration Mitigation	Coastal Marsh Restoration Mitigation	Stream Restoration Equivalent Mitigation	Riparian Restoration Equivalent Mitigation	Nonriparian Restoration Equivalent Mitigation	Coastal Marsh Restoration Equivalent Mitigation	Mitigation Site Utilized	Project Phase	Stream Restoration	Stream Enhancement I	Stream Enhancement II	Stream Preservation	HQP Stream Preservation	Riparian Restoration	Riparian Creation	Riparian Enhancement	Riparian Preservation	HQP Riparian Preservation	Nonriparian Restoration	Nonriparian Creation	Nonriparian Enhancement	Nonriparian Preservation	HQP Nonriparian Preservation	Coastal Marsh Restoration	Coastal Marsh Creation	Coastal Marsh Enhancement	Coastal Marsh Preservation	HQP Coastal MarshPreservation	Stream Warm Restoration	Stream Warm Equivalent	Stream Cool Restoration	Stream Cool Equivalent	Stream Cold Restoration	Stream Cold Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
															Allen Site (HQP)	HQP				540																																		
R-2000AA/AB/AC	NEUSE	03020201	2003-0918	2000-21863	7/22/2005	CP	1,177				**1,177**				Neu-Con MBI (Westbrook)	Monitoring Year 5	1,125																																		
															Neu-Con MBI (Westbrook)	Monitoring Year 5	45																																		
															Lowell Mill	Monitoring Year 4	7																																		
															Little Mountain/Len's Knob (HQP)	HQP					5,885.0																														
R-2000F/G	NEUSE	03020201	2003-0114	1999-20387	07/22/05	CP		0.12				0.12			Neu-Con MBI (Westbrook)	Monitoring Year 5						0.120																													
															Speight Branch	Long Term Mgmt							0.240																												
R-2547/R-2641	NEUSE	03020201	2001-1689		7/22/2005	CP	59				0				Lowell Mill	Monitoring Year 4	59																																		
R-2547/R-2641	NEUSE	03020201	2001-1689	2002-20819	7/22/2005	CP	10				10				Lowell Mill	Monitoring Year 4	10																																		
															Allen Site (HQP)	HQP					50.0																														
R-2552	NEUSE	03020201	2004-1760	2002-20745	7/22/2005	CP	2,095.0	2.48	0.18		**2,095.0**	2.48	0.18		Flat River (Horton Grove) (HQP)	HQP					9,375.0																														
															Swift Creek (Harper) (HQP)	HQP					1,100.0																														
															Lowell Mill	Monitoring Year 4	795																																		
															Lowell Mill (16-D04008)	Monitoring Year 4	1,300																																		
															Langley Cypress Creek (HQP)	HQP									9.460																								
															Allen Site (HQP)	HQP									2.940																								
															Moore Property	Construction						1.740																												
															Neu-Con MBI (Westbrook)	Monitoring Year 5						0.740																												
															Stevens Pennys Bend (HQP)	HQP																																	
															Neu-Con MBI (Westbrook)	Monitoring Year 5											0.180																						
R-2552	NEUSE	03020201	2004-1760	2002-20745	7/22/2005	NICP	7,416.0	9.52	10.11		**7,416.0**	9.52	10.11		Roanoke River IP - Blue Sky Timber (HQP)	HQP					34,702.0																														
															Fishing Creek (Edwards) (HQP)	HQP					2,378.0																														
															Neu-Con MBI (Westbrook)	Monitoring Year 5	821.6																																		
															Lowell Mill	Monitoring Year 4	6,594.4																																		
															Roanoke River IP - Blue Sky Timber (HQP)	HQP									47.600																								
															White Oak Creek	Monitoring Close Out						7.200	0.340																												
															Moore Property	Construction						3.600																												
															Neu-Con MBI (Westbrook)	Monitoring Year 5						2.207																												
															Neu-Con MBI (Westbrook)	Monitoring Year 5											7.000																						
															Neu-Con MBI (Westbrook)	Monitoring Year 5											11.553																						
															Neu-Con MBI (Westbrook)	Monitoring Year 5											1.667																						
R-2641	NEUSE	03020201	2001-1689	2004-20150	7/22/2005	CP	328				0				Abbott	Monitoring Complete	328																																		
R-2809B	NEUSE	03020201	2001-0550	1996-01836	7/22/2005	CP	14				0				Neu-Con MBI (Westbrook)	Monitoring Year 5	14																																		
U-3101C	NEUSE	03020201	2004-1055	2001-20922 / 2004-21562	7/22/2005	CP	717				717				Abbott	Monitoring Complete	256																																		
															Mark's Creek TESC	Monitoring Complete				3,585																													
															Lowell Mill (16-D04008)	Monitoring Year 4	461																																		
B-4113	NEUSE	03020201	N/A	2006-20256 / 2006-20257	7/22/2006	CP		0.03				0.03			Neu-Con MBI (Westbrook)	Monitoring Year 5						0.030																												
															Mark's Creek TESC	Monitoring Complete								0.150																									
R-2000AA/AB/AC	NEUSE	03020201	2003-0918	2000-21863	7/22/2006	CP	53				53				Lowell Mill (16-D04008)	Monitoring Year 4	53																																		
															Eno River (Stevens Tract) (HQP)	HQP					157.0																												
															Mark's Creek TESC	Monitoring Complete				108																													
R-2809B	NEUSE	03020201	2001-0550	1996-01836	7/22/2006	CP	168				168																																								
															Lowell Mill	Monitoring Year 4	336																																		
U-3344A	NEUSE	03020201	2006-0367	N/A	07/22/06	CP		0.07				0.07			White Oak Creek	Monitoring Close Out								0.700																									
															Neu-Con MBI (Westbrook)	Monitoring Year 5						0.070																												
R-2547/R-2641	NEUSE	03020201	2001-1689	N/A	7/22/2007	CP	15				15				Neu-Con MBI (Westbrook)	Monitoring Year 5	30																																		
I-0306DB	NEUSE	03020201	2000-1040	2000-20902	7/22/2007	CP	367				367				Neu-Con MBI (Westbrook)	Monitoring Year 5	734																																		
R-2000F/G	NEUSE	03020201	2003-0114	1999-20387	7/22/2007	CP			0.23				0.23		Neu-Con MBI (Westbrook)	Monitoring Year 5											0.230			1.150																				
U-3344A	NEUSE	03020201	2006-0367	2003-20445	6/30/2008	CP	109				109				Lowell Mill (16-D04008)	Monitoring Year 4	218																																		
B-3705	NEUSE	03020201		2001-20076	6/30/2008	CP		0.19			0				Neu-Con MBI (Westbrook)	Monitoring Year 5						0.190																												
R-2809A	Neuse	03020201	2001-0550	2007-03114-292	06/30/08	CP	95		0.01		95		0.01		Lowell Mill (16-D04008)	Monitoring Year 4	190																																		
															Neu-Con MBI (Westbrook)	Monitoring Year 5											0.020																						
U-3334A	NEUSE	03020201	2008-1106	2008-02482	06/30/09	NICP	69	0.33	1.99		69	0.33	1.99		Lowell Mill (16-D04008)	Monitoring Year 4	138																																		
															Neu-Con MBI (Westbrook)	Monitoring Year 5											3.980																						
															Speight Branch	Long Term Mgmt							0.660	1.650																									
NEUSE 03020201 TOTALS							**12,800.0**	**13.227**	**12.52**	**0**	**12,399.0**	**13.037**	**12.52**	**0**			**13,623.0**	**0**	**0**	**4,233**	**53,647.0**	**16.384**	**1.000**	**0.728**	**2.500**	**61.215**	**24.630**	**0.000**	**0.000**	**1.150**	**0.900**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3711	NEUSE	03020202		2004-11509	7/22/2005	NICP		0.12				0.12			Bear Creek	Long Term Mgmt	0					0.120		0.600																									
R-1030	NEUSE	03020202		1992-02353	7/22/2005	NICP		1.073				0			Bear Creek	Long Term Mgmt						1.073																									
U-3613B	NEUSE	03020202	2006-0310	2006-10791	07/22/06	NICP	277				277				Tar River (Porces) (HQP)	HQP					1,385.0																														
															Adkins Branch (Phase II)	Bidding-Construction	277																																		
B-4231	NEUSE	03020202	N/A	2006-41494-174	7/22/2007	NICP		0.342				0.342			Sleepy Creek	Monitoring Year 5						0.342		1.710																									
B-4174	NEUSE	03020202	N/A	2006-41502-154	7/22/2007	SICP		0.23				0.23			Sleepy Creek	Monitoring Year 5						0.230		1.150																									
B-4088	NEUSE	03020202	2006-1579	2006-41531-125	7/22/2007	SOCP		0.12				0.12			Sleepy Creek	Monitoring Year 5						0.120		0.600																									
R-2301A	NEUSE	03020202	2008-0984	2008-02206-025	06/30/09	SOCP		0.22	3.74			0.22	3.74		Neu-Con MBI (Tull Wooten)	Long Term Mgmt														18.700																			
															Neu-Con MBI (Casey-King)	Long Term Mgmt											3.740																						
															Sleepy Creek	Monitoring Year 5						0.220		1.100																									
NEUSE 03020202 TOTALS							**277.0**	**2.105**	**3.74**	**0**	**277.0**	**1.032**	**3.74**	**0**			**277**	**0**	**0**	**0**	**1,385.0**	**2.105**	**0.000**	**0.000**	**5.160**	**0.000**	**3.740**	**0.000**	**0.000**	**18.700**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3866	NEUSE	03020203		2005-10041	07/22/05	SICP	0	0.24	0	0	0	0.24	0	0	Great Cohaire Site (HQP)	HQP	0								1.200																									
															Mocassin Creek	Monitoring Year 3						0.240																												
B-4327	NEUSE	03020203		2005-10042	07/22/05	NICP	0	0.52	0	0	0	0.52	0	0	Roanoke River IP - Blue Sky Timber (HQP)	HQP									2.600																									
															Neu-Con MBI (Nahunta)	Monitoring Year 4						0.520																												
R-1030	NEUSE	03020203	2001-1253	1992-02353	7/22/2005	NICP	0	0	0.28	0	0	0	0.28	0	Neu-Con MBI (Alexander)	Long Term Mgmt											0.560																								
B-4319	NEUSE	03020203	2006-0104	2006-10532	07/22/06	NICP	0	0.059	0	0	0	0.059	0	0																																			
															Mocassin Creek	Monitoring Year 3						0.059	0.118																									
U-3823	NEUSE	03020203	2005-1764	2000-20569	07/22/06	NICP	89	0.89	0	0	89	0.89	0	0	Neu-Con MBI (Nahunta)	Monitoring Year 4	178					0.890																													
															Mocassin Creek	Monitoring Year 3							1.780																									
B-4127	NEUSE	03020203	N/A	2006-41550-140	06/30/07	NICP	0	0.28	0	0	0	0.28	0	0	Neu-Con MBI (Nahunta)	Monitoring Year 4						0.280																												
															Mocassin Creek	Monitoring Year 3							0.560																									
NEUSE 03020203 TOTALS							**89.0**	**1.989**	**0.28**	**0**	**89.0**	**1.989**	**0.28**	**0**			**178**	**0**	**0**	**0**	**0.0**	**1.989**	**0.000**	**2.458**	**0.000**	**3.800**	**0.560**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
R-2539C	NEUSE	03020204	2002-1232	1993-03531	7/22/2005	SOCP			4.38				4.38		Croatan Wetland Mitigation Bank I	Monitoring Close Out	0										4.380		8.760																				
R-4463	NEUSE	03020204	2007-0932	2007-02231-125	6/30/2008	SOCP			4.42				4.42		Croatan Wetland Mitigation Bank I	Monitoring Close Out											4.420		8.840																				
B-4168	NEUSE	03020204	2007-1855	2007-04080	6/30/2008	NOCP		0.1				0.1			Croatan Wetland Mitigation Bank Phase II	Monitoring Close Out						0.100		0.500																									
R-4463	NEUSE	03020204	2007-0932	2007-02231-125	6/30/2008	SOCP			0.13				0.13		Croatan Wetland Mitigation Bank I	Monitoring Close Out											0.130		0.260																				
R-2301A	NEUSE	03020204	2008-0984	2008-02206-025	06/30/09	SOCP	334	11.6	2.94		334	11.6	2.94		Brock	Bidding-Construction		397																				0.500										
															Brock Mill Pond	Long Term Mgmt				1,670					58.000																								
															Stallings	Design	69					5.300																									
															Croatan Mitigation Bank Phase II	Monitoring Close Out						6.300					2.940		14.200																				
R-3403AA/AB	NEUSE	03020204	2008-1808	2009-00217 - 00222	06/30/09	SOCP	443	0.15	0.92		443	0.15	0.92		Brock Mill Pond	Long Term Mgmt				1,730				0.750																									
															Neu-Con MBI (Marston)	Monitoring Year 5	540					0.150																												
															Croatan Wetland Mitigation Bank I	Monitoring Close Out											0.920		4.600																				
NEUSE 03020204 TOTALS							**777.0**	**11.85**	**12.79**	**0**	**777.0**	**11.85**	**12.79**	**0**			**609**	**397**	**0**	**3,400**	**0.0**	**11.850**	**0.000**	**0.000**	**1.250**	**58.000**	**12.790**	**0.000**	**17.860**	**18.800**	**0.500**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
NEUSE TOTALS							**13,943.0**	**29.171**	**29.330**	**0.000**	**13,542.0**	**27.908**	**29.330**	**0.000**			**14,687.3**	**397.0**	**0.0**	**7,633.0**	**55,032.0**	**32.328**	**1.000**	**3.186**	**8.910**	**123.015**	**41.720**	**0.000**	**17.860**	**38.650**	**1.400**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-2905	NEW	05050001		2005-20619 / 2005-20620	07/22/05	NM	121				121				Little Tablerock (HQP)	HQP	0				605.0																												
															MOA Credit Purchase Brush Creek	Monitoring Close Out	121																																
B-4007	NEW	05050001	N/A	2005-20799 - 20801	7/22/2006	NM		0.01				0			UT to Crab Creek	Construction						0.01																									
B-3803	NEW	05050001		2007-04173	6/30/2008	NM	19								UT to Crab Creek	Construction	19																														
U-4020	NEW	05050001	2008-1381	2008-02892-295	6/30/2009	NM	167				0				UT to Crab Creek	Construction	167																														

Updated 3/31/2010

Appendix F1 - MOA Permit Mitigation Requirements and Debits

							Restoration Requirements				Restoration Equivalent Requirements						Mitigation Applied																	Mitigation Not Met and DUE 6/30/2009															
TIP Number	River Basin	CU	NCDWQ Project ID Number	USACE Action ID Number	Date Restoration/Compensatory Mitigation Due	Eco-Region	Stream Restoration Mitigation	Riparian Restoration Mitigation	Nonriparian Restoration Mitigation	Coastal Marsh Restoration Mitigation	Stream Restoration Equivalent Mitigation	Riparian Restoration Equivalent Mitigation	Nonriparian Restoration Equivalent Mitigation	Coastal Marsh Restoration Equivalent Mitigation	Mitigation Site Utilized	Project Phase	Stream Restoration	Stream Enhancement I	Stream Enhancement II	Stream Preservation	HQP Stream Preservation	Riparian Restoration	Riparian Creation	Riparian Enhancement	Riparian Preservation	HQP Riparian Preservation	Nonriparian Restoration	Nonriparian Creation	Nonriparian Enhancement	Nonriparian Preservation	HQP Nonriparian Preservation	Coastal Marsh Restoration	Coastal Marsh Creation	Coastal Marsh Enhancement	Coastal Marsh Preservation	HQP Coastal MarshPreservation	Stream Warm Restoration	Stream Warm Equivalent	Stream Cool Restoration	Stream Cool Equivalent	Stream Cold Restoration	Stream Cold Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
R-2100B	New	05050001	2009-0379	2009-00966	6/30/2009	NM	732				0				UT to Crab Creek	Construction	732																															
NEW 05050001 TOTALS							1,039.0	0.01	0	0	121.0	0	0	0			1,039	0	0	0	605.0	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
NEW TOTALS							**1,039.0**	**0.010**	**0.000**	**0.000**	**121.0**	**0.000**	**0.000**	**0.000**			**1,039.0**	**0.0**	**0.0**	**0.0**	**605.0**	**0.010**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3445	PASQUOTANK	03010205		1999-10718	07/22/05	NOCP				0.19				0.19	Ballance Farm	Long Term Mgmt	0																	0.570															
															Mashoes Road	Long Term Mgmt																				0.950													
B-4222	PASQUOTANK	03010205		2005-10770	7/22/2005	NOCP		0.036				0.036			Cashie River-IP-Thunderbolt-Baltimore	HQP									0.180																									
															Dismal Swamp (DOT)	Monitoring Complete						0.036																											
Ferry Quarters	PASQUOTANK	03010205		2004-11601	7/22/2005	NOCP			0.101	0.03			0.101	0.03	Dismal Swamp (DOT)	Monitoring Complete										0.101			0.505																			
															Ballance Farm	Long Term Mgmt																0.090															
															Mashoes Road	Long Term Mgmt																			0.150												
NC 94 (MA)	PASQUOTANK	03010205		2005-10016	07/22/05	NOCP	36		0.007		36		0.007		Timberlake (Great Dismal Swamp)	Bidding-Construction	72																															
															Dismal Swamp (DOT)	Monitoring Complete										0.007			0.035																		
SR 1346	PASQUOTANK	03010205		2004-11683	07/22/05	NOCP	20		0.02		0		0		Perry Property (UT to Pembroke Creek)	Monitoring Year 2	20																															
															Dismal Swamp (DOT)	Monitoring Complete										0.020																					
B-4228	PASQUOTANK	03010205	N/A	2006-40035-172	7/22/2006	NOCP		0.21				0.21			Dismal Swamp (DOT)	Monitoring Complete						0.210		0.420																								
B-2950	PASQUOTANK	03010205	N/A	2007-1550-127	6/30/2007	NOCP		0.06		0.18		0.06		0.18	Ballance Farm	Long Term Mgmt						0.060			0.300									0.540		0.900												
SR 1146	PASQUOTANK	03010105		2008-00771-189	6/30/2008	NOCP		0.078				0.078			Dismal Swamp (DOT)	Monitoring Complete						0.078		0.156																								
B-4226	PASQUOTANK	03010205		2007-03456-172	6/30/2008	NOCP		0.19				0.19			Dismal Swamp (DOT)	Monitoring Complete						0.190		0.380																								
Ferry Quarters	PASQUOTANK	03010205	2008-0797	2008-01437	6/30/2009	NOCP		0	0.14			0	0.14		Perry Property (UT to Pembroke Creek)	Monitoring Year 2										0.140			0.700																			
R-2414	PASQUOTANK	03010205	2008-1602	1994-02124-115	06/30/09	NOCP	246	4.35			246	4.35			Perry Property (UT to Pembroke Creek)	Monitoring Year 2	492					4.350			8.950																								
															Ballance Farm	Long Term Mgmt									12.800																								
US 158 - Div 1	PASQUOTANK	03010205		2009-00672-137	6/30/2009	NOCP		0.2				0.2			Ballance Farm	Long Term Mgmt						0.200			1.000																								
B-4465	PASQUOTANK	03010205		2008-00597-381	6/30/2009		0	0.3	0	0	0	0.3	0	0	Dismal Swamp (DOT)	Monitoring Complete						0.300			0.600																								
PASQUOTANK 03010205 TOTALS							302.0	5.424	0.268	0.4	282.0	5.424	0.248	0.4			584	0	0	0	0.0	5.424	0.000	0.956	23.650	0.180	0.268	0.000	0.000	1.240	0.000	0.000	1.200	0.000	2.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
PASQUOTANK TOTALS							**302.0**	**5.424**	**0.268**	**0.400**	**282.0**	**5.424**	**0.248**	**0.400**			**584.0**	**0.0**	**0.0**	**0.0**	**0.0**	**5.424**	**0.000**	**0.956**	**23.650**	**0.180**	**0.268**	**0.000**	**0.000**	**1.240**	**0.000**	**0.000**	**1.200**	**0.000**	**2.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	ROANOKE	03010102																																													
ROANOKE 03010102 TOTALS	**ROANOKE**	**03010102**					**0.0**	**0**	**0**	**0**	**0.0**	**0**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3695	ROANOKE	03010103		2004-21316 / 2004-21317	07/22/05	CP	175	0	0	0	175	0	0	0	Haw River/Duke Forest (HQP)	HQP	0				875.0																											
															Pinch Gut Tributary	Monitoring Year 2	175																															
B-3900	ROANOKE	03010103	N/A	2007-01842-279	6/30/2007	CP	91	0	0	0	0	0	0	0	MOA Credit Purchase Snow Creek	Monitoring Year 4	91																															
B-4252	ROANOKE	03010103	2008-0141	2008-00706	6/30/2008	CP	222	0	0	0	0	0	0	0	Pinch Gut Tributary	Monitoring Year 2	222																															
ROANOKE 03010103 TOTALS							**488.0**	**0**	**0**	**0**	**175.0**	**0**	**0**	**0**			**488**	**0**	**0**	**0**	**875.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3629	ROANOKE	03010104		2004-21288	07/22/05	CP	0	0.25	0	0	0	0.25	0	0	Allen Site (HQP)	HQP	0								1.250																					
															River Bend	Design						0.250																								
B-4058	ROANOKE	03010104		2004-21106 / 2004-21107	07/22/05	CP	0	0.212	0	0	0	0.212	0	0	Allen Site (HQP)	HQP									1.060																					
															River Bend	Design						0.212																								
ROANOKE 03010104 TOTALS							**0.0**	**0.462**	**0**	**0**	**0.0**	**0.462**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.462**	**0.000**	**0.000**	**0.000**	**2.310**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	ROANOKE	03010106					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
ROANOKE 03010106 TOTALS	**ROANOKE**	**03010106**					**0.0**	**0**	**0**	**0**	**0.0**	**0**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-1303	ROANOKE	03010107		2005-10376	07/22/05	NICP	0	0.09	0	0	0	0.09	0	0	Roanoke River IP - Blue Sky Timber (HQP)	HQP	0								0.450																					
															Floogie Site	Monitoring Year 2						0.090																								
B-4027	ROANOKE	03010107	N/A	2003-10719	07/22/06	NOCP	0	0.275	0	0	0	0.275	0	0	Floogie Site	Monitoring Year 2						0.275																								
															Company Swamp	Monitoring Complete									1.375																					
B-4188	ROANOKE	03010107	N/A	2006-32018	07/22/06	NOCP	0	0.075	0	0	0	0.075	0	0	Floogie Site	Monitoring Year 2						0.075																								
															Company Swamp	Monitoring Complete									0.375																					
R-2404A	ROANOKE	03010107	2005-1765	1994-00453	7/22/2006	NOCP	1,354	4.05	65.17	0	1,354	**4.05**	65.17	0	Conoconnara Swamp	Monitoring Year 3	2,608													45.000																	
															Roquist	Bidding-Construction				500																											
															Floogie Site	Monitoring Year 2						4.050																								
															Company Swamp	Monitoring Complete									20.250																					
															Gatlin Swamp	Monitoring Year 5											121.340																			
B-4578	ROANOKE	03010107		2008-01801-158	06/30/08	NICP		0.1				0.1			Floogie Site	Monitoring Year 2						0.100																								
															Company Swamp	Monitoring Complete																			0.500												
SR 1417	ROANOKE	03010107		2006-41005-158	06/30/08	NICP	0	0.015	0	0	0	0.015	0	0	Floogie Site	Monitoring Year 2						0.015																								
															Company Swamp	Monitoring Complete																			0.075												
B-4026	ROANOKE	03010107		2002-10390	06/30/09	NOCP	0	0.1	0	0	0	0.1	0	0	Company Swamp	Monitoring Complete									0.500																					
															Floogie Site	Monitoring Year 2						0.100																								
B-4434	ROANOKE	03010107		2003-10021	06/30/09	NOCP	0	0.22	0	0	0	0.22	0	0	Company Swamp	Monitoring Complete									1.100																					
															Floogie Site	Monitoring Year 2						0.220																								
ROANOKE 03010107 TOTALS							**1,354.0**	**4.925**	**65.17**	**0**	**1,354.0**	**4.925**	**65.17**	**0**			**2,608**	**0**	**0**	**500**	**0.0**	**4.925**	**0.000**	**0.000**	**23.600**	**1.025**	**121.340**	**0.000**	**0.000**	**45.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
ROANOKE TOTALS							**1,842.0**	**5.387**	**65.170**	**0.000**	**1,529.0**	**5.387**	**65.170**	**0.000**			**3,096.0**	**0.0**	**0.0**	**500.0**	**875.0**	**5.387**	**0.000**	**0.000**	**23.600**	**3.335**	**121.340**	**0.000**	**0.000**	**45.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	SAVANNAH	03060101					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
SAVANNAH 03060101 TOTALS	**SAVANNAH**	**03060101**					**0.0**	**0**	**0**	**0**	**0.0**	**0**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	SAVANNAH	03060102					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
SAVANNAH 03060102 TOTALS	**SAVANNAH**	**03060102**					**0.0**	**0**	**0**	**0**	**0.0**	**0**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
SAVANNAH TOTALS							**0.0**	**0.000**	**0.000**	**0.000**	**0.0**	**0.000**	**0.000**	**0.000**			**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
R-2823	TAR-PAMLICO	03020101	2008-1859	2007-00157-164	06/30/09	NICP	1,939	4.4	1.93		1,939	4.4	1.93		Daniels Farm #2	Monitoring Year 4						4.400		4.500	6.170																								
															UT to Crooked Creek/Speas Property (G)	Monitoring Year 2										0.03																					
															Name Fishing Creek (Hall)	Stewardship										4.550																					
															Harrell Site	Monitoring Year 2	3,878										3.860																					
							0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
TAR-PAMLICO 03020101 TOTALS	**TAR-PAMLICO**	**03020101**					**1,939.0**	**4.4**	**1.93**	**0**	**1,939.0**	**4.4**	**1.93**	**0**			**3,878**	**0**	**0**	**0**	**0.0**	**4.400**	**0.000**	**4.500**	**6.170**	**4.580**	**3.860**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-2980	TAR-PAMLICO	03020102		2000-21473 / 2003-21261	07/22/05	NICP		0.74				0.74			Roanoke River IP - Blue Sky Timber (HQP)	HQP	0								3.700																					
															Gregory	Monitoring Year 4						0.740																								
B-3182	TAR-PAMLICO	03020102		2004-11671 / 2004-11750	7/22/2005	NICP		0.246				0.246			Gregory	Monitoring Year 4						0.492																								
B-3467	TAR-PAMLICO	03020102	2004-0807	2004-11359	7/22/2005	NICP		1.75				1.75			Gregory	Monitoring Year 4						3.500																								
B-3453	TAR-PAMLICO	03020102	2005-0353	2005-10633	07/22/06	NICP		1.36				1.36			Roanoke River IP - Blue Sky Timber (HQP)	HQP									6.800																					
															Gregory	Monitoring Year 4						1.360																								
B-4307	TAR-PAMLICO	03020102	2008-1706	2008-01483	6/30/2009	CP		0.31				0.31			Gregory	Monitoring Year 4						0.620																								
TAR-PAMLICO 03020102 TOTALS							**0.0**	**4.406**	**0.000**	**0.000**	**0.0**	**4.406**	**0.000**	**0.000**			**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**6.712**	**0.000**	**0.000**	**0.000**	**10.500**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
U-4737	TAR-PAMLICO	03020103		2005-10325	07/22/05	NICP	486	0.02	0	0	0	0	0	0	East Tarboro Canal	Monitoring Year 2	486					.																								
															Grimesland Site (Phase I)	Long Term Mgmt							0.060																								
B-4022	TAR-PAMLICO	03020103	N/A	2006-10578	7/22/2006	NI / NOCP	0	0.04	0	0	0	0.04	0	0	Grimesland Site (Phase I)	Long Term Mgmt							0.120		0.200																					
B-4111	TAR-PAMLICO	03020103	N/A	2006-10800	7/22/2006	NICP	0	0.3	0	0	0	0	0	0	Grimesland Site (Phase I)	Long Term Mgmt							0.900																								
R-4434	TAR-PAMLICO	03020103	2006-1008	2006-32961-133	7/22/2007	NICP	35	0	1.574	0	35	0	1.574	0	East Tarboro Canal	Monitoring Year 2	70																														

Updated 3/31/2010

Appendix F1 - MOA Permit Mitigation Requirements and Debits

							Restoration Requirements				Restoration Equivalent Requirements						Mitigation Applied																		Mitigation Not Met and DUE 6/30/2009															
TIP Number	River Basin	CU	NCDWQ Project ID Number	USACE Action ID Number	Date Restoration/Compensatory Mitigation Due	Eco-Region	Stream Restoration Mitigation	Riparian Restoration Mitigation	Nonriparian Restoration Mitigation	Coastal Marsh Restoration Mitigation	Stream Restoration Equivalent Mitigation	Riparian Restoration Equivalent Mitigation	Nonriparian Restoration Equivalent Mitigation	Coastal Marsh Restoration Equivalent Mitigation	Mitigation Site Utilized	Project Phase	Stream Restoration	Stream Enhancement I	Stream Enhancement II	Stream Preservation	HQP Stream Preservation	Riparian Restoration	Riparian Creation	Riparian Enhancement	Riparian Preservation	HQP Riparian Preservation	Nonriparian Restoration	Nonriparian Creation	Nonriparian Enhancement	Nonriparian Preservation	HQP Nonriparian Preservation	Coastal Marsh Restoration	Coastal Marsh Creation	Coastal Marsh Enhancement	Coastal Marsh Preservation	HQP Coastal MarshPreservation	Stream Warm Restoration	Stream Warm Equivalent	Stream Cool Restoration	Stream Cool Equivalent	Stream Cold Restoration	Stream Cold Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
															Mildred Woods	Monitoring Complete										2.926																						
															Oakley Crossroads	Design													1.110																			
B-3684	Tar-Pamlico	03020103	2008-0356	2008-01011	6/30/2008	NICP	181	0	0	0	0	0	0	0	East Tarboro Canal	Monitoring Year 2	181																																
TAR-PAMLICO 03020103 TOTALS							**702.0**	**0.36**	**1.574**	**0**	**35.0**	**0.04**	**1.574**	**0**			**737**	**0**	**0**	**0**	**0.0**	**0.000**	**1.080**	**0.000**	**0.200**	**0.000**	**2.926**	**0.000**	**0.000**	**1.110**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
SR 1149A/SR 1150	TAR-PAMLICO	03020104	2000-0895	2000-11538	7/22/2006	NOCP	0	0	2.35	0.03	0	0	2.35	0.03	Bishop Road (1 mi to CU 05)	Bidding-Construction										2.35			11.750		0.06																	
TAR-PAMLICO 03020104 TOTALS	**TAR-PAMLICO**	**03020104**					**0.0**	**0**	**2.35**	**0.03**	**0.0**	**0**	**2.35**	**0.03**			**0**	**0**	**0**	**0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.350**	**0.000**	**0.000**	**11.750**	**0.000**	**0.060**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
R-2539C	TAR-PAMLICO	03020105	2002-1232	1993-03531	7/22/2005	SOCP	145.6	0	0	0	**145.6**	0	0	0	Wallace Deer Club (Blanchard Tract) (HQP)	HQP	0.0				1,456.0																																
							0	0	0.52	0	0	0	**0.52**	0	Wallace Deer Club Tracts 3 - 5 (HQP)	HQP															2.600																			
															Mason Farm	Monitoring Year 2										0.520																						
TAR-PAMLICO 03020105 TOTALS							**145.6**	**0**	**0.52**	**0**	**145.6**	**0**	**0.52**	**0**			**0**	**0**	**0**	**0**	**1,456.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.520**	**0.000**	**0.000**	**0.000**	**2.600**	**0.000**	**0.000**	**0.000**	**0.000**	**146**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
TAR-PAMLICO TOTALS							**2,786.6**	**9.166**	**6.374**	**0.030**	**2,119.6**	**8.846**	**6.374**	**0.030**			**4,615.0**	**0.0**	**0.0**	**0.0**	**1,456.0**	**11.112**	**1.080**	**4.500**	**6.370**	**15.080**	**9.656**	**0.000**	**0.000**	**12.860**	**2.600**	**0.060**	**0.000**	**0.000**	**0.000**	**145.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3710	WATAUGA	06010103		2004-20879 / 2004-20880	07/22/05	NM	167	0	0	0	167	0	0	0	Mingo Tract (HQP)	HQP	0				835.0																												
															Hanging Rock Creek	Monitoring Year 5	167																														
WATAUGA 06010103 TOTALS							**167.0**	**0**	**0**	**0**	**167.0**	**0**	**0**	**0**			**167**	**0**	**0**	**0**	**835.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
WATAUGA TOTALS							**167.0**	**0.000**	**0.000**	**0.000**	**167.0**	**0.000**	**0.000**	**0.000**			**167.0**	**0.0**	**0.0**	**0.0**	**835.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3217	WHITE OAK	03020106		2003-00491	7/22/2005	SOCP	0	0	0	0.9	0	0	0	0	Sturgeon City (Phase 1)	Long Term Mgmt	0																				0.900												
B-3626	WHITE OAK	03020106	2004-1175	2004-11590	07/22/05	SOCP	0	1.2	0	0	0	1.2	0	0	Wells Tract; Cape Fear River (HQP)	HQP									6.000																							
															Clayhill Farms	Monitoring Year 4						1.200																										
R-2514A	WHITE OAK	03020106	2004-0198	1995-03519	7/22/2005	SOCP	318	0	0	0	**318**	0	0	0	Wallace Deer Club (Blanchard Tract) (HQP)	HQP					557.5																												
															Hancock Timber Site						0.0																										
															Clayhill Farms	Monitoring Year 4	524.5					0.701				19.030																						
							0	0.701	0	0	0	**0.701**	0	0	Wells Tract; Cape Fear River (HQP)	HQP									3.500																						
							0	0	19.03	0	0	0	**19.03**	0	Wallace Deer Club (Blanchard Tract) (HQP)	HQP															95.150																
B-3625	WHITE OAK	03020106		2007-04032	6/30/2008	SOCP		0.13				0.13			Clayhill Farms	Monitoring Year 4						0.130		0.650																								
WHITE OAK 03020106 TOTALS							**318.0**	**2.031**	**19.03**	**0.9**	**318.0**	**2.031**	**19.03**	**0**			**524.5**	**0**	**0**	**0**	**557.5**	**2.031**	**0.000**	**0.000**	**0.650**	**9.500**	**19.030**	**0.000**	**0.000**	**0.000**	**95.150**	**0.900**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
R-2514A	WHITE OAK	03030001	2004-0198	1995-03519	7/22/2005	SOCP	390				**390**				Wells Tract; Cape Fear River (HQP)	HQP	0				1,337.5																												
															Wallace Deer Club (Blanchard Tract) (HQP)	HQP					612.5																												
															Jarmans Oak	Monitoring Year 3	390																														
								2.39				**2.39**			NE CAPE FEAR Wells Tract (HQP)	HQP									11.950																						
															Jarmans Oak	Monitoring Year 3						2.390																										
									10.06				**10.06**		Wallace Deer Club (Blanchard Tract) (HQP)	HQP															50.300																
															Mitigation Bank Purchase (Hoffman Forest MOA)	Monitoring Complete										10.060																						
WHITE OAK 03030001 TOTALS							**390.0**	**2.39**	**10.06**	**0**	**390.0**	**2.39**	**10.06**	**0**			**390**	**0**	**0**	**0**	**1,950.0**	**2.390**	**0.000**	**0.000**	**0.000**	**11.950**	**10.060**	**0.000**	**0.000**	**0.000**	**50.300**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
WHITE OAK TOTALS							**708.0**	**4.421**	**29.090**	**0.900**	**708.0**	**4.421**	**29.090**	**0.000**			**914.5**	**0.0**	**0.0**	**0.0**	**2,507.5**	**4.421**	**0.000**	**0.000**	**0.650**	**21.450**	**29.090**	**0.000**	**0.000**	**0.000**	**145.450**	**0.900**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
B-3266	YADKIN	03040101		2005-20079 / 2005-20080	07/22/05	NM	48				48				Lone Mountain (SP) (HQP)	HQP	0				240.0																												
															Deep Creek (Harding)	Long Term Mgmt	48																														
B-3266	YADKIN	03040101		2005-20079 / 2005-20080	7/22/2005	NM		0.02				0.02			Fisher River Mitigation Bank (DOT FD)	Long Term Mgmt						0.020		0.040																								
B-3637	YADKIN	03040101		2001-20223	7/22/2005	CP		0.03				0.03			Fisher River Mitigation Bank (DOT FD)	Long Term Mgmt						0.030		0.060																								
B-3714	YADKIN	03040101		2005-20623 / 2005-20624	7/22/2005	SP		0.3				0			Fisher River Mitigation Bank (DOT FD)	Long Term Mgmt						0.300																										
R-2237B	YADKIN	03040101	2004-1246	2004-21367	7/22/2005	NM	889				889				MOA Credit Purchase Warrior Creek	Monitoring Year 4	1,778																																
R-3427	YADKIN	03040101		2004-21361 / 2004-21362	7/22/2005	CP	836.0		0.171		836.0		0.171		Deep Creek (Harding)	Long Term Mgmt	1,672.0																																
															Fisher River Mitigation Bank (DOT FD)	Long Term Mgmt						0.171																										
															Eno River (Stevens Tract) (HQP)	HQP															0.855																
R-3415	YADKIN	03040101	2005-0061	2005-20314	07/22/06	CP	937				0				MOA Credit Purchase Purlear Creek	Monitoring Year 4	937																																
R-3415	YADKIN	03040101	2005-0061	2005-20314	7/22/2006	CP	275				0				Deep Creek (Harding)	Long Term Mgmt	275																																
K-4703	YADKIN	03040101	2007-0965	2007-02093-297	6/30/2008	NM	576								Naked Creek	Monitoring Year 1	576																																
B-4507 (R-2247CC)	YADKIN	03040101		2008-02642	6/30/2009	CP	47				0				Deep Creek (Harding)	Long Term Mgmt	47																																
U-2826A	YADKIN	03040101	2008-1705	2008-00320	6/30/2009	CP	46				0				Deep Creek (Harding)	Long Term Mgmt	46																																
YADKIN 03040101 TOTALS							**3,654.0**	**0.35**	**0.171**	**0**	**1,773.0**	**0.05**	**0.171**	**0**			**5,379.0**	**0.0**	**0.0**	**0.0**	**240.0**	**0.521**	**0.000**	**0.100**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.855**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
R-2911A	YADKIN	03040102	2004-0289	2004-30596	7/22/2005	CP		0.27				**0.27**			Swift Creek Site (HQP)	HQP									1.350																							
															Shepherd's Tree	Monitoring Year 4						0.270																										
							1,817				**1,817**				Little Mountain/Len's Knob (HQP)	HQP					6,586.0																												
															Eno River/Wilderness (HQP)	HQP					2,499.0																												
															Rocky Branch	Monitoring Year 1	1,673																																
															Homestead (wetland)	Monitoring Year 5	144																																
R-2911C/D	YADKIN	03040102	2004-1476	2003-21097 / 2003-21336	07/22/05	CP	1,265	0.69			1,265	0.69			Rocky Branch	Monitoring Year 1	2,530																																
															Shepherd's Tree	Monitoring Year 4						0.690		1.380																								
R-2911E	YADKIN	03040102	2003-0908	2002-21536	07/22/05	CP	197				197				Haw River/Phillips Site (HQP)	HQP					984.0																												
															Rocky Branch	Monitoring Year 1	197																																
B-4256	YADKIN	03040102		2004-21033 / 2005-20401	7/22/2005	CP	51				0				Homestead (wetland)	Monitoring Year 1	51																																
R-2911A	YADKIN	03040102	2004-0289	2004-30596	07/22/07	CP	377				377				Homestead (wetland)	Monitoring Year 5	110																																
															Homestead (wetland)	Monitoring Year 5	644																																
B-3234	YADKIN	03040102	2008-1640	2008-03074	6/30/2009	CP	75				0				Homestead (wetland)	Monitoring Year 5	75																																
R-2911B	YADKIN	03040102	2008-0508	2008-01937	6/30/2009	CP	145				0				Homestead (wetland)	Monitoring Year 5	145																																
YADKIN 03040102 TOTALS							**3,926.8**	**0.96**	**0**	**0**	**3,655.8**	**0.96**	**0**	**0**			**5,568.8**	**0**	**0**	**0**	**10,069.0**	**0.960**	**0.000**	**1.380**	**0.000**	**1.350**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
I-2304AA/AB	YADKIN	03040103	2004-0275	1998-21203	7/22/2005	CP	4,455		1.24		**4,455**		1.24		Eno River (Stevens Tract) (HQP)	HQP															6.200															1.240			
															Briles	Monitoring Year 1	664																																
															Dutch Second Creek (Hill) (HQP)	HQP					2,685.0																												
															Davis (Yadkin River) (HQP)	HQP					4,750.0																												
															Eno River Wilderness (HQP)	HQP					5,912.0																												
															UT to Barnes Creek (HurleySite)	Monitoring Year 3	877																																
															Little River (Lewis) (HQP)	HQP					4,118.0																												
															Rich Fork FDP (Bodenheimer-Parker)	Long Term Mgmt	2,914																																
															Little River (Walbourn) (HQP)	HQP					2,814.0																												
															Pickler's Bluff (HQP)	HQP					415.0																												
															Barnes Creek (Grissom) (HQP)	HQP					1,581.0																												
I-2511CB	YADKIN	03040103	2004-0271	2002-21534	7/22/2005	CP	267	0.05	0.47	0	**267**	**0.05**	0.47	0																														0.470	0.000		
															UT to Barnes Creek (HurleySite)	Monitoring Year 3	534					0.050																										
															UT to Barnes Creek (HurleySite)	Monitoring Year 3								0.100																								
															Eno River (Stevens Tract) (HQP)	HQP															2.350																
R-2568B	YADKIN	03040103	2004-1245	2001-21280	7/22/2005	CP	1,090		0.75		**1,090**		0.75		Eno River (Stevens Tract) (HQP)	HQP															3.750															0.750	0.000		
															UT to Barnes Creek (HurleySite)	Monitoring Year 3	2,180																																
B-3834	YADKIN	03040103	N/A	2001-21050 / 2005-20286	07/22/06	CP	86	0	0	0	86	0	0	0	Uwharrie River (Whatley) (HQP)	HQP					430.0																												
															Rich Fork FDP (Bodenheimer-Parker)	Long Term Mgmt	86																																
R-0609IA/IB/R-2606	YADKIN	03040103	2006-0311	2004-00340	6/30/2007	CP	6,551	0.19	0.06	0	**6,551**	**0.19**	0.06	0	Crowther North (HQP)	HQP					2,150.0																											0.060			
															Len's Knob/Little Mountain (HQP)	HQP					9,222.0																												
															Eno River (Stevens Tract) (HQP)	HQP															0.300																
															Littl River (Baker) (HQP)	HQP					1,079.0																												

Appendix F1 - MOA Permit Mitigation Requirements and Debits

							Restoration Requirements				Restoration Equivalent Requirements					Mitigation Applied																				Mitigation Not Met and DUE 6/30/2009													
TIP Number	River Basin	CU	NCDWQ Project ID Number	USACE Action ID Number	Date Restoration/Compensatory Mitigation Due	Eco-Region	Stream Restoration Mitigation	Riparian Restoration Mitigation	Nonriparian Restoration Mitigation	Coastal Marsh Restoration Mitigation	Stream Restoration Equivalent Mitigation	Riparian Restoration Equivalent Mitigation	Nonriparian Restoration Equivalent Mitigation	Coastal Marsh Restoration Equivalent Mitigation	Mitigation Site Utilized	Project Phase	Stream Restoration	Stream Enhancement I	Stream Enhancement II	Stream Preservation	HQP Stream Preservation	Riparian Restoration	Riparian Creation	Riparian Enhancement	Riparian Preservation	HQP Riparian Preservation	Nonriparian Restoration	Nonriparian Creation	Nonriparian Enhancement	Nonriparian Preservation	HQP Nonriparian Preservation	Coastal Marsh Restoration	Coastal Marsh Creation	Coastal Marsh Enhancement	Coastal Marsh Preservation	HQP Coastal MarshPreservation	Stream Warm Restoration	Stream Warm Equivalent	Stream Cool Restoration	Stream Cool Equivalent	Stream Cold Restoration	Stream Cold Equivalent	Riparian Restoration	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
															Little River (Parker) (HQP)	HQP					2,683.0																											
															Mill Creek (Steele) (HWP)	HQP					1,069.0																											
															Hyco Lake (Bessemer) (HQP)	HQP					12,333.0																											
															Deep Creek (Hanson) (HQP)	HQP					2,505.0																											
															Eno River (Cabe's Ford) (HQP)	HQP					1,714.0																											
															Briles	Monitoring Year 1	782		1,182					0.380																									
															Valley Fields Farm Site	Monitoring Year 1	5,296					0.190																											
B-4097	YADKIN	03040103	2008-1514	2008-02928	6/30/2009	CP	75				0				Valley Fields Farm Site	Monitoring Year 1	75																																
YADKIN 03040103 TOTALS							**12,524.0**	**0.24**	**2.52**	**0.000**	**12,449.0**	**0.24**	**2.52**	**0.000**			**13,408.2**	**0.0**	**1,182.0**	**0.0**	**55,460.0**	**0.240**	**0.000**	**0.480**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**12.600**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**2.520**	**0.000**	**0.000**	**0.000**
B-4009	YADKIN	03040104	N/A	2002-32492 / 2002-32493	07/22/06	SP		0.28				0.28			Beaver Dam-Drowning Creek II (Rankin Tract) (HQP)	HQP										1.400																							
															Key Branch	Monitoring Year 5						0.280																											
U-3300B	YADKIN	03040104		2008-03161-384	6/30/2009	SP	294				0				Dula Thorofare @ Bishop Site	Monitoring Year 2	294																																
YADKIN 03040104 TOTALS	**YADKIN**	**03040104**					**294.0**	**0.28**	**0**	**0**	**0.0**	**0.28**	**0**	**0**			**294**	**0**	**0**	**0**	**0.0**	**0.280**	**0.000**	**0.000**	**0.000**	**1.400**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
R-0967CB	YADKIN	03040105	2003-0891	2003-31135	07/22/05	SP		0.16				0.16			Drowning Creek (HQP)	HQP	0									0.800																							
															Suther (Dutch Buffalo Creek)	Construction						0.160																											
							863				863				Broad River Greenway (HQP)	HQP					4,315.0																											
															Back Creek	Monitoring Year 3	863																															
R-0967CC	YADKIN	03040105	2004-1056	2004-31291	07/22/05	SP	1,204	0.14			1,204	0.14			Drowning Creek/Camp McCall (HQP)	HQP					2,134.5					0.700																							
															Beaver Dam-Drowning Creek II (Rankin Tract) (HQP)	HQP					3,885.5																											
															Suther (Dutch Buffalo Creek)	Construction						0.140																											
															Back Creek	Monitoring Year 3	33	1,480																															
															Dula Thorofare at Camp Branch	Monitoring Year 2	184																															
R-2246C	YADKIN	03040105		2003-31053 / 2003-31054	07/22/05	SP		0.22				0.22			Drowning Creek (HQP)	HQP																																
															Back Creek	Monitoring Year 3						0.220																											
U-2009B	YADKIN	03040105	2002-0878	2002-31069	07/22/05	SP	1,141	1.17			1,141	1.17			Drowning Creek (HQP)	HQP					5,705.0					5.850																							
															Suther (Dutch Buffalo Creek)	Construction						1.090																											
															Back Creek	Monitoring Year 3	1,141					0.080																											
R-2616	YADKIN	03040105	2005-1396	2005-30393	7/22/2007	SP	3,202	0.158	0.195		**3,202**	**0.158**	0.195		Suther	Construction	608		1,241	4,678																									0.195	0.195				
															Big Cedar Creek	Monitoring Year 1	0			539																													
															Davis Branch	Monitoring Year 1				766																													
															Helms	Bidding-Construction			56																													
															Suther (Dutch Buffalo Creek)	Construction						0.158																											
															Afton Run	Long Term Stewardship	261																															
															Back Creek	Monitoring Year 3								0.314																									
															Uwharrie River (Bingham)						3,464.0																											
															Dula Thorofare Branch at Camp Branch	Monitoring Year 2	1,436		945	6,563					0.005																								
U-2009B	YADKIN	03040105	2002-0878	2002-31069	07/22/07	SP	130				130				Dutch Buffalo Creek (Walker) (HQP)	HQP					650.0																											
															Back Creek	Monitoring Year 3	130																															
R-2320G	YADKIN	03040105	2007-1774	2007-03531-384	06/30/08	SP	948				948				Suther (Dutch Buffalo Creek)	Construction			2,370																													
															North Pacolet (Childers)	HQP					2,140.0																											
															Hitchcock Creek (McDonald)	HQP					2,600.0																											
YADKIN 03040105 TOTALS							**7,488.0**	**1.848**	**0.195**	**0**	**7,488.0**	**1.848**	**0.195**	**0**			**4,657**	**1,480**	**4,612**	**12,546**	**24,894.0**	**1.848**	**0.000**	**0.314**	**0.005**	**7.350**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.195**	**0.195**	**0.000**	**0.000**
U-3456	YADKIN	03040201	2007-0743	2007-02144-077	6/30/2008	SP	107	0.08	0.13						McDonald's Pond	Monitoring Year 4	107					0.080																											
YADKIN 03040201 TOTALS	**YADKIN**	**03040201**					**107.0**	**0.08**	**0.13**	**0**	**0.0**	**0**	**0**	**0**			**107**	**0**	**0**	**0**	**0.0**	**0.080**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.130**	**0.000**	**0.000**	**0.000**
	YADKIN	03040202					0	0	0	0	0	0	0	0			0	0	0	0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000
YADKIN 03040202 TOTALS	**YADKIN**	**03040202**					**0.0**	**0**	**0**	**0**	**0.0**	**0**	**0**	**0**			**0**	**0**	**0**	**0**	**0.0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
YADKIN TOTALS							**27,993.8**	**3.758**	**3.016**	**0.000**	**25,365.8**	**3.378**	**2.886**	**0.000**			**29,413.5**	**1,480.0**	**5,794.0**	**12,546.0**	**90,663.0**	**3.929**	**0.000**	**2.274**	**0.005**	**10.100**	**0.000**	**0.000**	**0.000**	**0.000**	**13.455**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.000**	**0.000**	**2.845**	**0.195**	**0.000**	**0.000**
GRAND TOTALS							**119,833.6**	**107.662**	**221.560**	**1.330**	**108,782.6**	**85.289**	**220.864**	**0.430**			**138,943.7**	**7,656.5**	**9,884.8**	**39,848.0**	**387,159.5**	**113.590**	**6.684**	**24.210**	**81.830**	**575.110**	**285.980**	**0.000**	**17.860**	**97.850**	**296.745**	**0.960**	**1.200**	**0.000**	**2.000**	**160.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.413**	**0.000**	**5.731**	**0.565**	**0.000**	**0.000**

Percentage of Mitigation Used Exceeding

Updated 3/31/2010

Appendix F-2: MOA Year 7 Mitigation Requirements (Permits Issued and Received in MOA Year 7 - July 1, 2009 - June 30, 2010)

							Permitted Impacts for EEP Mitigation					Mitigation Requirements (only contains requirements that EEP is responsible)								
TIP Number	Permits Issued?	County	River Basin	CU	Eco-region	Acceptance Letter to USACE	Stream	Riparian	Non-Riparian	Coastal Marsh	Buffer	Stream Restoration	Riparian Restoration	Nonriparian Restoration	Coastal Marsh Restoration	Stream Equivalent	Riparian Equivalent	Non-Riparian Equivalent	Coastal Marsh Equivalent	Riparian Buffer Restoration (square feet)
B-3654	Y	Harnett/Sampson	Cape Fear	03030006	SICP	05/18/09	0.0	0.46	0	0	0.0	0.0	0.46	0	0	0.0	0.46	0	0	0.0
R-2301A	Y	Craven	Neuse	03020204	SOCP	07/23/09	0.0	0	0	0	2,440.0	0.0	0	0	0	0.0	0	0	0	6,177.0
R-2814A	Y	Wake	Neuse	03020201	CP	05/27/09	3,141.0	0	0	0	0.0	0.0	0	0	0	3,141.0	0	0	0	0.0
U-4444A	Y	Cumberland	Cape Fear	03030004	SICP	03/23/09	991.0	7.33	0.06	0	0.0	991.0	7.33	0.06	0	991.0	7.33	0.06	0	0.0
R-2635		Wake	Cape Fear	03030002	CP	08/01/08	4,910.0	13.5	0	0	0.0	4,910.0	13.5	0	0	4,910.0	13.5	0	0	0.0
R-2635		Wake	Cape Fear	03030004	CP	08/01/08	5,149.0	6.64	0	0	0.0	5,149.0	6.64	0	0	5,149.0	6.64	0	0	0.0
U-3306		Orange	Cape Fear	03030002	CP	04/30/09	460.0	0	0	0	0.0	460.0	0	0	0	460.0	0	0	0	0.0
B-4642		Scotland	Lumber	03040204	SICP	06/15/09	0.0	0.58	0	0	0.0	0.0	0.58	0	0	0.0	0.58	0	0	0.0
SR 2665 (Div 10)		Mecklenburg	Catawba	03050101	SP	08/25/09	23.0	0	0	0	0.0	23.0	0	0	0	23.0	0	0	0	0.0
B-4641		Scotland	Lumber	03040204	SICP	05/27/09	0.0	0.5	0	0	0.0	0.0	0.5	0	0	0.0	0.5	0	0	0.0
B-4034		Buncombe	French Broad	06010105	SM	05/12/09	439.0	0	0	0	0.0	439.0	0	0	0	0.0	0	0	0	0.0
B-4520	Y	Gates	Chowan	03010203	NOCP	10/20/09	0.0	0.24	0	0	0.0	0.0	0.24	0	0	0.0	0.17	0	0	0.0
B-1037	Y	Ashe	New	05050001	NM	02/24/09	185.0	0	0	0	0.0	185.0	0	0	0	185.0	0	0	0	0.0
R-2518A	Y	Yancey	French Broad	06010105	NM	11/03/09	1,535.0	0	0	0	0.0	1,535.0	0	0	0	3,070.0	0	0	0	0.0
B-4190	Y	McDowell	Catawba	03050101	NM	11/03/09	62.0	0	0	0	0.0	62.0	0	0	0	0.0	0	0	0	0.0
B-4492	Y	Cumberland	Cape Fear	03030004	SICP	01/27/10	133.0	0	0	0	0.0	133.0	0	0	0	68.0	0	0	0	0.0
R-2233AA	Y	Rutherford	Broad	03050105	SP	09/29/08	2,870.0	0	0	0	0.0	2,870.0	0	0	0	2,870.0	0	0	0	0.0
R-4900	Y	Columbus	Lumber	03040203	SICP	08/25/09	0.0	7.71	0	0	0.0	0.0	7.71	0	0	0.0	7.71	0	0	0.0
R-2248AB/BA	Y	Mecklenburg	Catawba	03050103	SP	07/02/09	0.0	1.91	0	0	0.0	0.0	1.91	0	0	0.0	0	0	0	0.0
U-4763B	Y	Durham/Wake	Cape Fear	03030002	CP	01/27/10	4,111.0	1.71	0.07	0	15,948.0	4,111.0	1.71	0.07	0	3,974.0	1.4	0.07	0	38,010.0
U-4703	Y	Wake	Neuse	03020201	CP	09/28/09	222.0	0.35	0	0	0.0	0.0	0.35	0	0	0.0	0.35	0	0	0.0
							24,231.0	**40.93**	**0.13**	**0**	**18,388.0**	**20,868.0**	**40.93**	**0.13**	**0**	**24,841.0**	**38.64**	**0.13**	**0**	**44,187.0**

Updated 3/31/2010

AppendixF-3: MOA Year 6 Mitigation Requirements Summary (Permits Issued and Received in MOA Year 6 - July 1, 2008 - June 30, 2009)

		Restoration Requirements				Restoration Equivalent Requirements				Buffer Requirements
River Basin	CU	Stream	Riparian	Nonriparian	Coastal Marsh	Stream	Riparian	Nonriparian	Coastal Marsh	
Broad	03050105	2,870.0	0	0	0	2,870.0	0	0	0	0.0
Cape Fear	03030002	9,481.0	15.21	0.07	0	9,344.0	14.9	0.07	0	38,010.0
Cape Fear	03030004	6,273.0	13.97	0.06	0	6,208.0	13.97	0.06	0	0.0
Cape Fear	03030006	0.0	0.46	0	0	0.0	0.46	0	0	0.0
Catawba	03050101	85.0	0	0	0	23.0	0	0	0	0.0
Catawba	03050103	0.0	1.91	0	0	0.0	0	0	0	0.0
Chowan	03010203	0.0	0.24	0	0	0.0	0.17	0	0	0.0
French Broad	06010105	1,974.0	0	0	0	3,070.0	0	0	0	0.0
Lumber	03040203	0.0	7.71	0	0	0.0	7.71	0	0	0.0
Lumber	03040204	0.0	1.08	0	0	0.0	1.08	0	0	0.0
Neuse	03020201	0.0	0.35	0	0	3,141.0	0.35	0	0	0.0
Neuse	03020204	0.0	0	0	0	0.0	0	0	0	6,177.0
New	05050001	185.0	0	0	0	185.0	0	0	0	0.0
TOTAL		**20,868.0**	**40.93**	**0.13**	**0**	**24,841.0**	**38.64**	**0.13**	**0**	**44,187.0**

Updated 3/31/2010

Appendix F-4: MOA Mitigation Commitments List (Permits have not yet been issued/received)

						Accepted Impacts							Anticipated Mitigation Credit Required												
TIP Number	Permits Issued?	County	River Basin	CU	Eco-region	Stream Impacts	Stream Temp	Riparian Wetland Impacts	Non-Riparian Wetland Impacts	Coastal Impacts	Buffer Impacts	Acceptance Letter to USACE	Stream Restoration	Riparian Restoration	Non-Riparian Restoration	Coastal Restoration	Stream Equivalent	Riparian Equivalent	Non-Riparian Equivalent	Coastal Marsh Equivalent	Buffer	HQP Mitigation Site Utilized	HQP Stream	HQP Riparian	HQP Non-Riparian	HQP Coastal Marsh
MA 04072	N	Johnston	Neuse	03020201	NICP	0		0.25	0	0	0.0	04/20/04	0	0.25	0	0	*0*	*0.25*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
SR 1311 (Div. 12)	N	Alexander	Catawba	03050101	CP	64		0	0	0	0.0	11/30/04	64	0	0	0	*64*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-3662	N	Henderson	French Broad	06010105	SM	84		0	0	0	0.0	07/19/05	84	0	0	0	*84*	*0*	*0*	*0*	0.0	Needmore Tract; Remaining Mitigation Due at End of MOA Year Permit Issued	840			
U-2905	N	Alamance	Cape Fear	03030002	CP	56	W	0	0	0	0.0	08/12/05	56	0	0	0	*56*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-3266 Add'l	N	Wilkes	Yadkin	03040101	NM	37		0	0	0	0.0	08/16/05	37	0	0	0	*37*	*0*	*0*	*0*	0.0	Mingo Tract-5:1; Remaining Mitigation Due at End of MOA Year Permit Issued	185			
R-2206B/C	N	Lincoln	Catawba	03050101	SP	107	W	0	0	0	0.0	08/29/05	107	0	0	0	*107*	*0*	*0*	*0*	0.0	Little River (Cochran); Remaining Mitigation Due at End of MOA Year Permit Issued	535			
R-2231	N	Richmond/Montgomery	Yadkin	03040104	SP	4,568	W	0	0	0	0.0	06/02/06	4,568	0	0	0	*0*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2510	N	Beaufort	Tar-Pamlico	03020104	NOCP	0		0.45	0.65	0	6,322.0	12/04/06	0	0.45	0.65	0	*0*	*0.45*	*0.65*	*0*	18,966.0	Mitigation Due at end of MOA Year Permit Issued				
Rail	N	Guilford	Cape Fear	03030002	CP	132	W	0	0	0	0.0	12/18/06	132	0	0	0	*132*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
Rail	N	Guilford	Cape Fear	03030003	CP	340	W	0	0	0	0.0	12/18/06	340	0	0	0	*340*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-0210A	N	Lee	Cape Fear	03030004	SP	100	Warm	0.03	0	0	0.0	08/28/07	100	0.03	0	0	*100*	*0.03*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-3612	N	Bertie	Roanoke	03010107	NOCP	0		0.118	0	0	0.0	12/10/07	0	0.118	0	0	*0*	*0.118*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-4279	N	Stanly	Yadkin	03040105	SP	157	Warm	0	0	0	0.0	02/12/08	157	0	0	0	*157*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2616	N	Union	Yadkin	03040105	SP	100	Warm	0	0	0	0.0	03/12/08	100	0	0	0	*100*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-4115	N	Franklin	Tar-Pamlico	03020101	CP	223	Warm	0	0	0	1,711.0	03/24/08	223	0	0	0	*223*	*0*	*0*	*0*	4,377.0	Mitigation Due at end of MOA Year Permit Issued				
R-0977A	N	Cherokee	Hiwassee	06020002	SM	124		0.03	0	0	0.0	04/24/08	124	0.03	0	0	*124*	*0.03*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
U-3412A	N	Union	Yadkin	03050105	SP	1,292	Warm	1.48	0.56	0	0.0	08/08/08	1,292	1.48	0.56	0	*1,292*	*1.48*	*0.56*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
Barge Facility	N	Tyrrell	Pasquotank	03010205	NOCP	0		0	0	0.0099	0.0	10/18/08	0	0	0	0.0099	*0*	*0*	*0*	*0.0099*	0.0	Mitigation Due at end of MOA Year Permit Issued				
SR 1154	N	Carteret	White Oak	03020106	SOCP	0		0	0	0.31	0.0	10/22/08	0	0	0	0.31	*0*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2417A	N	Lee	Cape Fear	03030003	SP	199	Warm	0.2	0	0	0.0	05/04/09	199	0.2	0	0	*15*	*0.2*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-3809	N	Beaufort	Tar-Pamlico	03020104	NOCP	0		0	0	0	7,232.0	05/18/09	0	0	0	0	*0*	*0*	*0*	*0*	19,942.5	Mitigation Due at end of MOA Year Permit Issued				
New Route - Div 4	N	Johnston	Neuse	03020201	NICP	192	Warm	0	0	0	24,774.0	05/18/09	192	0	0	0	*192*	*0*	*0*	*0*	59,667.0	Mitigation Due at end of MOA Year Permit Issued				
B-5018	N	Chowan	Chowan	03010203	NOCP	0		0.5	0	0	0.0	07/09/09	0	0.5	0	0	*0*	*0.5*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2519A	N	Yancey	French Broad	06010108	NM	0		0.01	0	0	0.0	07/27/09	0	0.01	0	0	*0*	*0.01*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-4417	N	Beaufort	Tar-Pamlico	03020104	NOCP	0		0	0	0.02	5,190.0	07/31/09	0	0	0	0.02	*0*	*0*	*0*	*0.02*	14,276.0	Mitigation Due at end of MOA Year Permit Issued				
R-2612A/B	N	Guilford	Cape Fear	03030002	CP	2,017	Warm	3.99	0	0	0.0	08/18/09	2,017	3.99	0	0	*2,017*	*3.99*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
SR 1336 (Div 1)	N	Perquimans	Pasquotank	03010205	NOCP	0		0.2555	0	0	0.0	08/18/09	0	0.2555	0	0	*0*	*0.2555*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2633A	N	New Hanover	Cape Fear	03030005	SOCP	695	Warm	8.44	8.88	0	0.0	10/20/09	695	8.44	8.88	0	*695*	*8.44*	*8.88*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2633B	N	Brunswick/New Hanover	Cape Fear	03030005	SOCP	170	Warm	30.53	30.53	0	0.0	10/20/09	170	30.53	30.53	0	*170*	*30.53*	*30.53*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-3611	N	Beaufort	Tar-Pamlico	03020104	NOCP	0		0.88	0	0	0.0	10/20/09	0	0.88	0	0	*0*	*0.88*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2417C	N	Lee	Cape Fear	03030004	SP	0		0.04	0	0	0.0	11/03/09	0	0.04	0	0	*0*	*0.04*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
B-4551	N	Hyde	Tar-Pamlico	03020105	NOCP	0		0	0	0	158.0	11/04/09	0	0	0	0	*0*	*0*	*0*	*0*	237.0	Mitigation Due at end of MOA Year Permit Issued				
B-4138	N	Harnet	Cape Fear	03030004	SICP	810	Warm	0.21	0	0	0.0	12/11/09	810	0.21	0	0	*810*	*0.21*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2823 Sup	N	Nash	Tar-Pamlico	03020101	NICP	27	Warm	0.05	0.02	0	4,796.0	11/23/09	27	0.05	0.02	0	*27*	*0.05*	*0.02*	*0*	10,988.0	Mitigation Due at end of MOA Year Permit Issued				
B-3693	N	Robeson	Lumber	03040203	SICP	0		0.69	0	0	0.0	04/01/10	0	0.69	0	0	*0*	*0.69*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
EB-4993	N	Johnston	Neuse	03020201	NICP	0		0.78	0	0	0.0	02/04/10	0	0.78	0	0	*0*	*0.78*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2533C	N	Cabarrus	Yadkin	03040105	SP	1,956	Warm	0.22	0	0	0.0	01/27/10	1,956	0.22	0	0	*1,956*	*0.22*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
I-4407	N	Randolph	Cape Fear	03030003	CP	74	Warm	0	0	0	0.0	03/02/10	74	0	0	0	*0*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
I-4407	N	Randolph	Yadkin	03040104	CP	167	Warm	0	0	0	0.0	03/02/10	167	0	0	0	*153*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
U-3110B	N	Alamance	Cape Fear	03030002	CP	28	Warm	0	0	0	0.0	02/18/10	28	0	0	0	*28*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-2510 Add'l	N	Beaufort	Tar-Pamlico	03020104	NOCP	91	Warm	0	1.17	0	109,749.0	03/19/10	91	0	1.17	0	*91*	*0*	*1.17*	*0*	283,026.0	Mitigation Due at end of MOA Year Permit Issued				
B-4062	N	Catawba	Catawba	03050102	CP	54	Warm	0	0	0	0.0	03/23/10	54	0	0	0	*54*	*0*	*0*	*0*	0.0	Mitigation Due at end of MOA Year Permit Issued				
R-3833B Add'l	N	Iredell	Catawba	03050101	CP	32	Warm	0	0	0	15,072.0	03/23/10	32	0	0	0	*32*	*0*	*0*	*0*	27,241.0	Mitigation Due at end of MOA Year Permit Issued				
						13,896		**49.1535**	**41.81**	**0.3399**	**175,004.0**		**13,896**	**49.1535**	**41.81**	**0.3399**	**9,056**	**49.1535**	**41.81**	**0.0299**	**438,721**		**1,560**	**0**	**0**	**0**

10:1 HQP Ratio

5:1 HQP Ratio

Appendix F-5: MOA Mitigation Commitments Summary (Potential Future Requirements Not Yet Permitted/Received)

		Restoration Mitigation Commitments				Restoration Equivalent Commitments				
River Basin	CU	Stream	Riparian	Nonriparian	Coastal Marsh	Stream	Riparian	Nonriparian	Coastal Marsh	Buffer Mitigation
Cape Fear	03030002	2,233.0	3.99	0	0	2,233.0	3.99	0	0	0.0
Cape Fear	03030003	613.0	0.2	0	0	355.0	0.2	0	0	0.0
Cape Fear	03030004	910.0	0.28	0	0	910.0	0.28	0	0	0.0
Cape Fear	03030005	865.0	38.97	39.41	0	865.0	38.97	39.41	0	0.0
Catawba	03050101	203.0	0	0	0	203.0	0	0	0	27,241.0
Catawba	03050102	54.0	0	0	0	54.0	0	0	0	0.0
Chowan	03010203	0.0	0.5	0	0	0.0	0.5	0	0	0.0
French Broad	06010105	84.0	0	0	0	84.0	0	0	0	0.0
French Broad	06010108	0.0	0.01	0	0	0.0	0.01	0	0	0.0
Hiwassee	06020002	124.0	0.03	0	0	124.0	0.03	0	0	0.0
Lumber	03040203	0.0	0.69	0	0	0.0	0.69	0	0	0.0
Neuse	03020201	192.3	1.03	0	0	192.3	1.03	0	0	59,667.0
Pasquotank	03010205	0.0	0.2555	0	0.0099	0.0	0.2555	0	0.0099	0.0
Roanoke	03010107	0.0	0.118	0	0	0.0	0.118	0	0	0.0
Tar-Pamlico	03020101	250.0	0.05	0.02	0	250.0	0.05	0.02	0	15,365.0
Tar-Pamlico	03020104	91.0	1.33	1.82	0.02	91.0	1.33	1.82	0.02	336,210.5
Tar-Pamlico	03020105	0.0	0	0	0	0.0	0	0	0	237.0
White Oak	03020106	0.0	0	0	0.31	0.0	0	0	0	0.0
Yadkin	03040101	37.0	0	0	0	37.0	0	0	0	0.0
Yadkin	03040104	4,735.0	0	0	0	153.0	0	0	0	0.0
Yadkin	03040105	2,213.0	0.22	0	0	2,213.0	0.22	0	0	0.0
Yadkin	03050105	1,292.0	1.48	0.56	0	1,292.0	1.48	0.56	0	0.0
TOTAL		**13,896.3**	**49.1535**	**41.81**	**0.3399**	**9,056.3**	**49.1535**	**41.81**	**0.0299**	**438,720.5**

Updated 3/31/2010

Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts

River Basin	CU	Earliest MOA Year	Stream	Riparian	Non-riparian	Coastal Marsh
Broad			**14,393**	**0.77**	**0.43**	**0.00**
	03050105		**14,393**	**0.77**	**0.43**	**0.00**
		7	358	0.00	0.00	0.00
		8	200	0.00	0.00	0.00
		9	9,082	0.51	0.29	0.00
		10	4,753	0.26	0.14	0.00
		11	0	0.00	0.00	0.00
Cape Fear			**35,326**	**78.82**	**67.19**	**5.10**
	03030002		**16,260**	**32.98**	**0.02**	**0.00**
		7	39	0.00	0.00	0.00
		8	2,120	1.23	0.02	0.00
		9	2,133	26.20	0.00	0.00
		10	11,968	5.35	0.00	0.00
		11	0	0.20	0.00	0.00
	03030003		**6,163**	**0.97**	**0.00**	**0.00**
		7	1,875	0.00	0.00	0.00
		8	187	0.00	0.00	0.00
		9	495	0.62	0.00	0.00
		10	3,606	0.35	0.00	0.00
		11	0	0.00	0.00	0.00
	03030004		**2,285**	**8.04**	**0.51**	**0.00**
		7	365	0.77	0.11	0.00
		8	1,009	1.18	0.05	0.00
		9	911	6.09	0.35	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03030005		**6,649**	**36.39**	**66.41**	**5.10**
		7	0	0.00	0.00	0.00
		8	0	2.93	0.00	0.00
		9	4,495	32.68	65.00	5.00
		10	2,154	0.79	1.41	0.10
		11	0	0.00	0.00	0.00
	03030006		**3,939**	**0.11**	**0.00**	
		7	0	0.00	0.00	0.00
		8	0	0.06	0.00	0.00
		9	677	0.05	0.00	0.00
		10	3,262	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03030007		**30**	**0.32**	**0.25**	**0.00**
		7	30	0.20	0.25	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.12	0.00	0.00

Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts

River Basin	CU	Earliest MOA Year	Stream	Riparian	Non-riparian	Coastal Marsh
Catawba			**40,676**	**7.09**	**0.43**	**0.00**
	03050101		**35,932**	**7.08**	**0.43**	**0.00**
		7	32,369	7.02	0.00	0.00
		8	3,563	0.00	0.41	0.00
		9	0	0.00	0.00	0.00
		10	0	0.06	0.02	0.00
		11	0	0.00	0.00	0.00
	03050102		**4,534**	**0.00**	**0.00**	**0.00**
		7	4,334	0.00	0.00	0.00
		8	200	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03050103		**210**	**0.01**	**0.00**	**0.00**
		7	30	0.20	0.25	0.00
		8	190	0.01	0.00	0.00
		9	20	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
Chowan			**0**	**0.54**	**0.00**	**0.00**
	03010201		**0**	**0.00**	**0.00**	**0.00**
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03010202		**0**	**0.00**	**0.00**	**0.00**
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03010203		**0**	**0.54**	**0.00**	**0.00**
		7	0	0.39	0.00	0.00
		8	0	0.15	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03010204		**0**	**0.00**	**0.00**	**0.00**
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00

Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts

River Basin	CU	Earliest MOA Year	Stream	Riparian	Non-riparian	Coastal Marsh
French Broad			**14,617**	**1.58**	**0.20**	**0.00**
	06010105		**7,918**	**1.57**	**0.00**	**0.00**
		7	0	0.00	0.00	0.00
		8	374	0.05	0.00	0.00
		9	100	0.00	0.00	0.00
		10	2,140	1.34	0.00	0.00
		11	5,304	0.18	0.00	0.00
	06010106		**175**	**0.00**	**0.20**	**0.00**
		7	0	0.00	0.00	0.00
		8	75	0.00	0.00	0.00
		9	100	0.00	0.20	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	06010108		**6,524**	**0.01**	**0.00**	**0.00**
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	6,494	0.01	0.00	0.00
		11	30	0.00	0.00	0.00
Hiwassee			**48**	**0.00**	**0.08**	**0.00**
	06020002		**48**	**0.00**	**0.08**	**0.00**
		7	48	0.00	0.08	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	06020003		**0**	**0.00**	**0.00**	**0.00**
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
Little Tennessee			**3,544**	**0.40**	**2.76**	**0.00**
	06010202		**130**	**0.05**	**0.00**	**0.00**
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	130	0.05	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	06010203		**92**	**0.00**	**0.00**	**0.00**
		7	12	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	80	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00

Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts

River Basin	CU	Earliest MOA Year	Stream	Riparian	Non-riparian	Coastal Marsh
	06010204		3,322	0.35	2.76	0.00
		7	74	0.35	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	3,248	0.00	2.76	0.00
Lumber			413	7.53	0.47	0.00
	03040203		368	1.98	0.00	0.00
		7	50	0.27	0.00	0.00
		8	0	0.09	0.00	0.00
		9	318	1.61	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03040204		45	5.54	0.00	0.00
		7	0	1.10	0.00	0.00
		8	0	0.00	0.00	0.00
		9	45	4.44	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03040206		0	0.01	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.01	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03040207		0	0.00	0.47	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.47	0.00
		11	0	0.00	0.00	0.00
Neuse			27,112	69.28	2.12	0.00
	03020201		26,869	68.93	2.12	0.00
		7	198	0.00	0.00	0.00
		8	100	0.01	2.00	0.00
		9	0	0.52	0.00	0.00
		10	5,531	0.40	0.12	0.00
		11	21,040	68.00	0.00	0.00
	03020202		83	0.25	0.00	0.00
		7	43	0.00	0.00	0.00
		8	40	0.25	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.47	0.00
		11	0	0.00	0.00	0.00

Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts

River Basin	CU	Earliest MOA Year	Stream	Riparian	Non-riparian	Coastal Marsh
	03020203		160	0.10	0.00	0.00
		7	40	0.07	0.00	0.00
		8	120	0.03	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.47	0.00
		11	0	0.00	0.00	0.00
	03020204		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.47	0.00
		11	0	0.00	0.00	0.00
New			3,861	0.37	0.02	0.00
	05050001		3,861	0.37	0.02	0.00
		7	1,499	0.05	0.00	0.00
		8	2,286	0.32	0.02	0.00
		9	36	0.00	0.00	0.00
		10	40	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
Pasquotank			680	26.27	31.76	1.40
	03010205		680	26.27	31.76	1.40
		7	0	0.00	0.00	0.00
		8	532	0.76	30.60	1.40
		9	148	0.21	1.16	0.00
		10	0	25.30	0.00	0.00
		11	0	0.00	0.00	0.00
Roanoke			5,243	1.86	0.00	0.00
	03010102		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03010103		2,213	0.00	0.00	0.00
		7	29	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	2,184	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03010104		2,966	1.20	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	2,966	1.20	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00

Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts

River Basin	CU	Earliest MOA Year	Stream	Riparian	Non-riparian	Coastal Marsh
	03010106		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03010107		64	0.66	0.00	0.00
		7	28	0.60	0.00	0.00
		8	36	0.00	0.00	0.00
		9	0	0.06	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
Savannah			0	0.00	0.00	0.00
	03060101		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03060102		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
Tar-Pamlico			563	2.81	0.21	0.00
	03020101		307	0.74	0.21	0.00
		7	150	0.00	0.00	0.00
		8	77	0.42	0.00	0.00
		9	80	0.09	0.16	0.00
		10	0	0.23	0.05	0.00
		11	0	0.00	0.00	0.00
	03020102		29	0.05	0.00	0.00
		7	0	0.00	0.00	0.00
		8	29	0.05	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.23	0.05	0.00
		11	0	0.00	0.00	0.00
	03020103		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00

Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts

River Basin	CU	Earliest MOA Year	Stream	Riparian	Non-riparian	Coastal Marsh
	03020104		227	2.02	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	2.00	0.00	0.00
		9	0	0.02	0.00	0.00
		10	227	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03020105		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
Watauga			70	0.00	0.00	0.00
	06010103		70	0.00	0.00	0.00
		7	70	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
White Oak			2,579	2.33	5.99	0.00
	03020106		0	0.50	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.50	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03030001		2,579	1.83	5.99	0.00
		7	741	1.33	2.55	0.00
		8	1,768	0.42	3.44	0.00
		9	70	0.08	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
Yadkin			52,183	20.25	0.34	0.00
	03040101		19,301	3.06	0.00	0.00
		7	1,126	0.11	0.00	0.00
		8	187	0.02	0.00	0.00
		9	7,120	0.74	0.00	0.00
		10	40	0.00	0.00	0.00
		11	10,828	2.19	0.00	0.00
	03040102		2,124	1.22	0.16	0.00
		7	15	0.00	0.00	0.00
		8	2,109	1.22	0.16	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00

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Appendix G: MOA Future Requirements - Remaining NCDOT Projected Impacts

River Basin	CU	Earliest MOA Year	Stream	Riparian	Non-riparian	Coastal Marsh
	03040103		98	0.00	0.00	0.00
		7	33	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	65	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03040104		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	65	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03040105		30,397	14.74	0.18	0.00
		7	14,878	6.48	0.08	0.00
		8	12,047	8.02	0.00	0.00
		9	3,422	0.24	0.10	0.00
		10	50	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
	03040201		263	1.23	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	263	1.23	0.00	0.00
	03040202		0	0.00	0.00	0.00
		7	0	0.00	0.00	0.00
		8	0	0.00	0.00	0.00
		9	0	0.00	0.00	0.00
		10	0	0.00	0.00	0.00
		11	0	0.00	0.00	0.00
Grand Total			**201,308**	**219.90**	**112.00**	**6.50**

Appendix H: MOA Net Asset Balances (Surplus and Deficits)

River Basin	Cataloging Unit		MOA Surplus Asset and Deficit Balances							
			Stream Restoration	Stream Restoration Equivalent	Riparian Restoration Mitigation	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
Broad			**77,555**	**995**	**6.35**	**0.00**	**5.00**	**0.00**	**0.00**	**0.00**
	03050105	**Total**	77,555	995	6.35	0.00	5.00	0.00	0.00	0.00
		MOA	77,555	995	6.35	0.00	5.00	0.00	0.00	0.00
Cape Fear			**81,660**	**4,325**	**308.75**	**211.06**	**803.01**	**140.34**	**8.99**	**42.88**
	03030001									
	03030002	**Total**	17,337	2,472	37.34	9.74	0.00	0.00	0.00	0.00
		MOA	17,337	2,472	37.34	9.74	0.00	0.00	0.00	0.00
	03030003	**Total**	30,889	466	1.17	2.26	(2.14)	0.00	0.00	0.00
		MOA	30,889	466	1.17	2.26	(2.14)	0.00	0.00	0.00
	03030004	**Total**	24,036	1,267	37.62	56.44	3.05	0.00	0.00	0.00
		MOA	24,036	1,267	37.62	56.44	3.05	0.00	0.00	0.00
	03030005	**Total**	8,066	0	208.39	12.46	605.70	8.95	8.99	42.88
		MOA	8,066	0	208.39	12.46	605.70	8.95	8.99	42.88
	03030006	**Total**	1,333	120	8.58	13.40	159.64	1.09	0.00	0.00
		MOA	1,333	120	8.58	13.40	159.64	1.09	0.00	0.00
	03030007	**Total**	0	0	15.65	116.76	36.76	130.30	0.00	0.00
		MOA	0	0	15.65	116.76	36.76	130.30	0.00	0.00
Catawba			**28,559**	**806**	**6.20**	**2.94**	**-0.20**	**-0.37**	**0.00**	**0.00**
	03050101	**Total**	11,040	806	4.60	2.26	0.06	0.00	0.00	0.00
		MOA	11,040	806	4.60	2.26	0.06	0.00	0.00	0.00
	03050102	**Total**	17,519	0	1.60	0.68	0.11	0.00	0.00	0.00
		MOA	17,519	0	1.60	0.68	0.11	0.00	0.00	0.00
	03050103	**Total**	0	0	0.00	0.00	-0.37	-0.37	0.00	0.00
		MOA	0	0	0.00	0.00	-0.37	-0.37	0.00	0.00
Chowan			**11,557**	**1,501**	**71.73**	**4.58**	**0.00**	**0.00**	**0.00**	**0.00**
	03010203	**Total**	8,751	944	61.40	4.58	0.00	0.00	0.00	0.00
		MOA	8,751	944	61.40	4.58	0.00	0.00	0.00	0.00
	03010201	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	03010202	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	03010204	**Total**	2,806	557	10.33	0.00	0.00	0.00	0.00	0.00
		MOA	2,806	557	10.33	0.00	0.00	0.00	0.00	0.00
French Broad			**52,974**	**1,284**	**4.15**	**7.46**	**(0.31)**	**0.00**	**0.00**	**0.00**
	06010105	**Total**	38,546	0	1.42	6.08	(0.16)	0.00	0.00	0.00
		MOA	38,546	0	1.42	6.08	(0.16)	0.00	0.00	0.00
	06010106	**Total**	2,868	0	0.60	0.23	0.00	0.00	0.00	0.00
		MOA	2,868	0	0.60	0.23	0.00	0.00	0.00	0.00
	06010108	**Total**	11,560	1,284	2.13	1.15	(0.15)	0.00	0.00	0.00
		MOA	11,560	1,284	2.13	1.15	(0.15)	0.00	0.00	0.00
Hiwassee			**6,865**	**1,700**	**3.53**	**0.75**	**(0.07)**	**0.00**	**0.00**	**0.00**
	06020002	**Total**	6,865	1,700	3.53	0.75	(0.07)	0.00	0.00	0.00
		MOA	6,865	1,700	3.53	0.75	(0.07)	0.00	0.00	0.00
	6020003	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Little Tennessee			**10,800**	**3,084**	**59.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06010202	**Total**	6,231	0	7.88	0.00	0.00	0.00	0.00	0.00
		MOA	6,231	0	7.88	0.00	0.00	0.00	0.00	0.00
	06010203	**Total**	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00

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Appendix H: MOA Net Asset Balances (Surplus and Deficits)

River Basin	Cataloging Unit		MOA Surplus Asset and Deficit Balances							
			Stream Restoration	Stream Restoration Equivalent	Riparian Restoration Mitigation	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
	06010204	Total	4,569	3,084	51.27	0.00	0.00	0.00	0.00	0.00
		MOA	4,569	3,084	51.27	0.00	0.00	0.00	0.00	0.00
Lumber			**9677.00**	**1,822**	**21.12**	**24.37**	**563.10**	**63.00**	**0.00**	**0.00**
	03040203	Total	1815.00	1,472	17.51	18.13	514.47	60.00	0.00	0.00
		MOA	1815.00	1,472	17.51	18.13	514.47	60.00	0.00	0.00
	03040204	Total	4,660	0	4.02	0.00	0.00	0.00	0.00	0.00
		MOA	4,660	0	4.02	0.00	0.00	0.00	0.00	0.00
	03040206	Total	3,217	350	-0.39	6.24	0.00	0.00	0.00	0.00
		MOA	3,217	350	-0.39	6.24	0.00	0.00	0.00	0.00
	03040207	Total	(15.00)	0	(0.03)	0.00	48.63	3.00	0.00	0.00
		MOA	(15.00)	0	(0.03)	0.00	48.63	3.00	0.00	0.00
Neuse			**35,173**	**0**	**339.02**	**394.61**	**1,417.94**	**1,104.86**	**0.00**	**0.00**
	03020201	Total	7,386	0	45.30	21.62	22.59	3.77	0.00	0.00
		MOA	7,386	0	45.30	21.62	22.59	3.77	0.00	0.00
	03020202	Total	6,587	0	148.59	167.55	5.32	19.98	0.00	0.00
		MOA	6,587	0	148.59	167.55	5.32	19.98	0.00	0.00
	03020203	Total	11,608	0	97.59	87.59	29.46	29.70	0.00	0.00
		MOA	11,608	0	97.59	87.59	29.46	29.70	0.00	0.00
	03020204	Total	9,592	0	47.54	117.86	1,360.57	1,051.41	0.00	0.00
		MOA	9,592	0	47.54	117.86	1,360.57	1,051.41	0.00	0.00
New			**17,988**	**3,845**	**9.30**	**5.60**	**0.00**	**2.38**	**0.00**	**0.00**
	05050001	Total	17,988	3,845	9.30	5.60	0.00	2.38	0.00	0.00
		MOA	17,988	3,845	9.30	5.60	0.00	2.38	0.00	0.00
Pasquotank			**8,257**	**0**	**398.82**	**15.83**	**641.89**	**35.37**	**1.20**	**35.60**
	03010205	Total	8,257	0	398.82	15.83	641.89	35.37	1.20	35.60
		MOA	8,257	0	398.82	15.83	641.89	35.37	1.20	35.60
Roanoke			**43,077**	**3,287**	**56.12**	**109.96**	**127.46**	**681.00**	**0.00**	**0.00**
	03010102	Total	942	2,468	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	942	2,468	0.00	0.00	0.00	0.00	0.00	0.00
	03010103	Total	9,822	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	9,822	0	0.00	0.00	0.00	0.00	0.00	0.00
	03010104	Total	14,470	187	3.73	3.80	0.00	0.00	0.00	0.00
		MOA	14,470	187	3.73	3.80	0.00	0.00	0.00	0.00
	03010106	Total	5,022	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	5,022	0	0.00	0.00	0.00	0.00	0.00	0.00
	03010107	Total	12,821	632	52.39	106.16	127.46	681.00	0.00	0.00
		MOA	12,821	632	52.39	106.16	127.46	681.00	0.00	0.00
Savannah			**3,695**	**0**	**0.00**	**0.00**	**0.00**	**0.32**	**0.00**	**0.00**
	03060101	Total	3,695	0	0.00	0.00	0.00	0.32	0.00	0.00
		MOA	3,695	0	0.00	0.00	0.00	0.32	0.00	0.00
	03060102	Total	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Tar-Pamlico			**16,684**	**252**	**106.74**	**98.48**	**234.54**	**92.73**	**0.24**	**37.92**
	03020101	Total	5,484	252	1.45	3.50	11.56	0.38	0.00	0.00
		MOA	5,484	252	1.45	3.50	11.56	0.38	0.00	0.00
	03020102	Total	6,254	0	68.29	0.00	12.90	4.20	0.00	0.00
		MOA	6,254	0	68.29	0.00	12.90	4.20	0.00	0.00
	03020103	Total	4,456	0	20.12	82.66	15.45	1.60	0.00	0.00
		MOA	4,456	0	20.12	82.66	15.45	1.60	0.00	0.00

Updated 3/31/2010

Appendix H: MOA Net Asset Balances (Surplus and Deficits)

River Basin	Cataloging Unit		MOA Surplus Asset and Deficit Balances							
			Stream Restoration	Stream Restoration Equivalent	Riparian Restoration Mitigation	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
	03020104	Total	636	0	1.16	12.32	183.94	86.54	0.24	37.92
		MOA	636	0	1.16	12.32	183.94	86.54	0.24	37.92
	03020105	Total	-146	0	15.72	0.00	10.68	0.00	0.00	0.00
		MOA	-146	0	15.72	0.00	10.68	0.00	0.00	0.00
Watauga			**2,447**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06010103	Total	2,447	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	2,447	0	0.00	0.00	0.00	0.00	0.00	0.00
White Oak			**17,821**	**402**	**15.33**	**3.60**	**62.87**	**48.10**	**0.18**	**0.00**
	03030001	Total	9,151	0	0.16	2.05	5.26	0.00	0.00	0.00
		MOA	9,151	0	0.16	2.05	5.26	0.00	0.00	0.00
	03020106	Total	8,670	402	15.17	1.55	57.61	48.10	0.18	0.00
		MOA	8,670	402	15.17	1.55	57.61	48.10	0.18	0.00
Yadkin			**133,805**	**10,384**	**214.96**	**28.40**	**-1.87**	**-0.20**	**0.00**	**0.00**
	03040101	Total	14,046	445	60.02	0.41	0.00	0.00	0.00	0.00
		MOA	14,046	445	60.02	0.41	0.00	0.00	0.00	0.00
	03040102	Total	10,695	0	73.47	5.81	0.00	0.00	0.00	0.00
		MOA	10,695	0	73.47	5.81	0.00	0.00	0.00	0.00
	03040103	Total	17,823	3,598	18.73	5.67	-2.52	0.00	0.00	0.00
		MOA	17,823	3,598	18.73	5.67	-2.52	0.00	0.00	0.00
	03040104	Total	25,940	3,322	17.77	1.68	0.98	0.00	0.00	0.00
		MOA	25,940	3,322	17.77	1.68	0.98	0.00	0.00	0.00
	03040105	Total	48,343	829	5.74	3.15	(0.20)	(0.20)	0.00	0.00
		MOA	48,343	829	5.74	3.15	(0.20)	(0.20)	0.00	0.00
	03040201	Total	16,958	2,190	39.23	11.69	(0.13)	0.00	0.00	0.00
		MOA	16,958	2,190	39.23	11.69	(0.13)	0.00	0.00	0.00
	03040202	Total	0	0	0.00	0.00	0.00	0.00	0.00	0.00
		MOA	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total			**558,594**	**33,687**	**1,621.27**	**907.63**	**3,853.36**	**2,167.53**	**10.61**	**116.40**

Appendix I: MOA Outstanding Permit Mitigation Requirements

MOA Permit Requirements that are not Fully Compliant

River Basin	Cataloging Unit	TIP Number	DWQ Number	USACE Number	Implementation Deadline	Restoration Requirements				Rest. Equivalent Requirements				Total Mitigation Required				Total Mitigation Remaining				Remaining Mitigation Covered with Original HQP
						Stream Restoration Mitigation	Riparian Restoration Mitigation	Non-Riparian Restoration Mitigation	Coastal Marsh Restoration Mitigation	Stream Restoration Equivalent Mitigation	Riparian Restoration Equivalent Mitigation	Non-Riparian Restoration Equivalent Mitigation	Coastal Marsh Restoration Equivalent Mitigation	Stream Mitigation Required	Riparian Mitigation Required	Nonriparian Mitigation Required	Coastal Marsh Mitigation Required	Stream Mitigation Required	Riparian Mitigation Required	Nonriparian Mitigation Required	Coastal Marsh Mitigation Required	
Cape Fear	03030003	R-2610	2004-0158	1997-00360	07/22/05	2,137.0	0.15	0.11	0	2,137.0	0.15	0.11	0	4274	0.3	0.22	0	0.0	0.00	0.11	0.00	No
		R-0609IA/IB/R-2606	2006-0331	2004-00340	06/30/07	18,626.0	2.21	2.03	0	18,626.0	2.21	2.03	0	37,252	4.42	4.06	0	0.0	0.00	2.03	0.00	No
Catawba	03050103	U-2510A	2007-0221	2004-00700-360	06/30/08	446.0	0.91	0.37	0	446.0	0.91	0.37	0	892	1.82	0.74	0	0.0	0.00	0.74	0.00	No
French Broad	06010105	R-2518A	2007-1134	2007-02197-357/300	06/30/08	0.0	0.26	0.16	0	0.0	0	0	0	0	0.26	0.16	0	0.0	0.00	0.16	0.00	No
	06010108	R-2518B	2007-1134	2007-02197-357/300	06/30/08	902.0	0.12	0.11	0	0.0	0	0	0	902	0.12	0.11	0	0.0	0.00	0.11	0.00	No
	06010108	R-2519A	2007-1134	2007-02197-357/300	06/30/08	645.0	0.25	0.04	0	0.0	0	0	0	645	0.25	0.04	0	0.0	0.00	0.04	0.00	No
Hiwassee	06020002	A-0011BB	2008-0396	2008-00857	06/30/08	129.0	0	0.066	0	129.0	0	0	0	258	0	0.066	0	0.0	0.00	0.066	0.00	No
Lumber	03040206	B-4030	2009-0072	2004-00422	06/30/09	0	0.45	0	0	0	0.45	0	0	0	0.9	0	0	0	0.387	0.00	0.00	No
	03040207	R-2245	2007-0047	200506041	06/30/07	15	0.026	21.422	0	15	0.026	21.422	0	30	0.052	42.844	0	15	0.03	0.00	0.00	No
Tar-Pamlico	03020105	R-2539C	2002-1232	199303531	07/22/05	145.6	0	0.52	0	145.6	0	0.52	0	291.2	0	1.04	0	145.6	0.00	0.00	0.00	Yes
Yadkin	03040103	I-2304AA/AB	2004-0275	1998-21203	07/22/05	4,455.0	0	1.24	0	4,455.0	0	1.24	0	8910	0	2.48	0	0.0	0.00	1.24	0.00	No
		I-2511CB	2004-0271	2002-21534	07/22/05	267.0	0.05	0.47	0	267.0	0.05	0.47	0	534	0.1	0.94	0	0.0	0.00	0.47	0.00	No
		R-2568B	2004-1245	2001-21280	07/22/05	1,090.0	0	0.75	0	1,090.0	0	0.75	0	2180	0	1.5	0	0.0	0.00	0.75	0.00	No
		R-0609IA/IB/R-2606	2006-0331	2004-00340	06/30/07	6,551.0	0.19	0.06	0	6,551.0	0.19	0.06	0	13102	0.38	0.12	0	0.0	0.00	0.06	0.00	No
	03040105	R-2616	2005-1396	200530393	07/22/07	3,202	0.158	0.195	0	3,202	0.158	0.195	0	6,404	0.316	0.39	0	0.0	0.00	0.39	0.00	No
	03040201	U-3456	2007-0743	2007-02144-077	06/30/08	107.0	0.08	0.13	0	0.0	0	0	0	107	0.08	0.13	0	0.0	0.00	0.13	0.00	No
																	Grand Totals	**160.6**	**0.413**	**6.296**	**0.00**	

Shaded areas represent permit requirements that have been partially fullfilled.

Appendix J: MOU ILF Present and Future Quarter Mitigation Requirements

River Basin	Cataloging Unit	Q3 2009 - 2010				Q4 2009 - 2010			
		Stream Mitigation	Riparian Mitigation	Nonriparian Mitigation	Coastal Marsh Mitigation	Stream Mitigation	Riparian Mitigation	Nonriparian Mitigation	Coastal Marsh Mitigation
Broad		**0**	**0.00**	**0.00**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	03050105	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Cape Fear		**0**	**0.67**	**0.00**	**0.00**	**2,248**	**7.47**	**11.57**	**0.00**
	03030001	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03030002	0	0.67	0.00	0.00	358	1.34	0.00	0.00
	03030003	0	0.00	0.00	0.00	1,281	1.38	0.00	0.00
	03030004	0	0.00	0.00	0.00	140	0.98	3.03	0.00
	03030005	0	0.00	0.00	0.00	308	1.77	5.95	0.00
	03030006	0	0.00	0.00	0.00	0	0.35	0.00	0.00
	03030007	0	0.00	0.00	0.00	161	1.65	2.59	0.00
Catawba		**0**	**0.00**	**0.00**	**0.00**	**1,330**	**1.27**	**0.50**	**0.00**
	03050101	0	0.00	0.00	0.00	0	0.00	0.50	0.00
	03050102	0	0.00	0.00	0.00	1,040	0.00	0.00	0.00
	03050103	0	0.00	0.00	0.00	290	1.27	0.00	0.00
Chowan		**0**	**0.00**	**0.00**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	03010203	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03010201	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03010202	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03010204	0	0.00	0.00	0.00	0	0.00	0.00	0.00
French Broad		**0**	**0.00**	**0.00**	**0.00**	**3,964**	**3.36**	**0.00**	**0.00**
	06010105	0	0.00	0.00	0.00	3,779	0.97	0.00	0.00
	06010106	0	0.00	0.00	0.00	185	2.39	0.00	0.00
	06010108	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Hiwassee		**0**	**0.00**	**0.00**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	06020002	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	06020003	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Little Tennessee		**0**	**0.00**	**0.00**	**0.00**	**210**	**0.00**	**0.00**	**0.00**
	06010202	0	0.00	0.00	0.00	210	0.00	0.00	0.00
	06010203	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	06010204	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Lumber		**0**	**0.00**	**0.00**	**0.00**	**327**	**1.50**	**0.60**	**0.00**
	03040203	0	0.00	0.00	0.00	0	0.67	0.00	0.00
	03040204	0	0.00	0.00	0.00	290	0.60	0.00	0.00
	03040206	0	0.00	0.00	0.00	0	0.06	0.00	0.00
	03040207	0	0.00	0.00	0.00	37	0.17	0.60	0.00
Neuse		**0**	**0.00**	**0.00**	**0.00**	**2,800**	**9.78**	**2.65**	**0.00**
	03020201	0	0.00	0.00	0.00	2,356	8.14	0.51	0.00
	03020202	0	0.00	0.00	0.00	0	0.98	2.04	0.00
	03020203	0	0.00	0.00	0.00	444	0.00	0.00	0.00
	03020204	0	0.00	0.00	0.00	0	0.66	0.10	0.00
New		**0**	**0.00**	**0.00**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	05050001	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Pasquotank		**0**	**0.00**	**0.18**	**0.00**	**0**	**0.00**	**2.44**	**0.00**
	03010205	0	0.00	0.18	0.00	0	0.00	2.44	0.00
Roanoke		**0**	**0.00**	**0.00**	**0.00**	**0**	**0.00**	**0.94**	**0.00**
	03010102	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03010103	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03010104	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03010106	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03010107	0	0.00	0.00	0.00	0	0.00	0.94	0.00

Appendix J: MOU ILF Present and Future Quarter Mitigation Requirements

River Basin	Cataloging Unit	Q3 2009 - 2010				Q4 2009 - 2010			
		Stream Mitigation	Riparian Mitigation	Nonriparian Mitigation	Coastal Marsh Mitigation	Stream Mitigation	Riparian Mitigation	Nonriparian Mitigation	Coastal Marsh Mitigation
Savannah		**0**	**0.00**	**0.00**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	03060101	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03060102	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Tar-Pamlico		**0**	**0.00**	**0.00**	**0.00**	**0**	**0.70**	**5.44**	**0.00**
	03020101	0	0.00	0.00	0.00	0	0.32	0.00	0.00
	03020102	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03020103	0	0.00	0.00	0.00	0	0.18	2.98	0.00
	03020104	0	0.00	0.00	0.00	0	0.20	0.32	0.00
	03020105	0	0.00	0.00	0.00	0	0.00	2.14	0.00
Watauga		**0**	**0.00**	**0.00**	**0.00**	**0**	**0.50**	**0.00**	**0.00**
	06010103	0	0.00	0.00	0.00	0	0.50	0.00	0.00
White Oak		**0**	**0.00**	**0.00**	**0.00**	**2,602**	**0.78**	**3.09**	**0.00**
	03030001	0	0.00	0.00	0.00	2,542	0.78	3.09	0.00
	03020106	0	0.00	0.00	0.00	60	0.00	0.00	0.00
Yadkin		**0**	**0.00**	**0.00**	**0.00**	**4,314**	**3.20**	**0.00**	**0.00**
	03040101	0	0.00	0.00	0.00	3,094	0.00	0.00	0.00
	03040102	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03040103	0	0.00	0.00	0.00	150	2.70	0.00	0.00
	03040104	0	0.00	0.00	0.00	300	0.50	0.00	0.00
	03040105	0	0.00	0.00	0.00	770	0.00	0.00	0.00
	03040201	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	03040202	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Grand Total		**0**	**0.67**	**0.18**	**0.00**	**17,795**	**31.49**	**27.22**	**0.00**

Appendix K: MOU ILF Net Asset Balances (Surplus and Deficits)

River Basin / Cataloging Unit	Stream Restoration	Stream Restoration Equivalent	Riparian Restoration Mitigation	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
Broad	**29**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
03050105	29	0	0.00	0.00	0.00	0.00	0.00	0.00
Cape Fear	**4,872**	**(71)**	**112.69**	**10.01**	**18.25**	**52.95**	**0.00**	**0.00**
03030001								
03030002	(2,087)	0	0.07	2.04	(1.03)	(0.74)	0.00	0.00
03030003	1,281	0	1.26	0.68	(0.59)	0.00	0.00	0.00
03030004	3,653	0	95.87	6.04	13.25	0.00	0.00	0.00
03030005	2,322	0	0.70	1.25	4.03	53.69	0.00	0.00
03030006	0	0	0.35	0.00	0.01	0.00	0.00	0.00
03030007	(297)	(71)	14.44	0.00	2.59	0.00	0.00	0.00
Catawba	**1,206**	**(3,786)**	**3.94**	**0.76**	**(2.27)**	**(2.25)**	**0.00**	**0.00**
03050101	(0)	(3,786)	0.62	0.76	0.00	(2.03)	0.00	0.00
03050102	1,206	0	0.81	0.00	0.00	0.00	0.00	0.00
03050103	0	0	2.51	0.00	(2.27)	(0.22)	0.00	0.00
Chowan	**0**	**0**	**0.00**	**0.00**	**(0.12)**	**(0.12)**	**0.00**	**0.00**
03010203	0	0	0.00	0.00	0.00	0.00	0.00	0.00
03010201	0	0	0.00	0.00	0.00	0.00	0.00	0.00
03010202	0	0	0.00	0.00	0.00	0.00	0.00	0.00
03010204	0	0	0.00	0.00	(0.12)	(0.12)	0.00	0.00
French Broad	**11,290**	**395**	**0.61**	**0.36**	**0.00**	**0.00**	**0.00**	**0.00**
06010105	3,810	0	0.61	0.36	0.00	0.00	0.00	0.00
06010106	185	0	0.00	0.00	0.00	0.00	0.00	0.00
06010108	7,295	395	0.00	0.00	0.00	0.00	0.00	0.00
Hiwassee	**0**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
06020002	0	0	0.00	0.00	0.00	0.00	0.00	0.00
06020003	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Little Tennessee	**(1,090)**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
06010204	0	0	0.00	0.00	0.00	0.00	0.00	0.00
06010202	0	0	0.00	0.00	0.00	0.00	0.00	0.00
06010203	(1,090)	0	0.00	0.00	0.00	0.00	0.00	0.00
Lumber	**(266)**	**0**	**(0.33)**	**0.00**	**(1.51)**	**(0.24)**	**0.00**	**0.00**
03040203	0	0	0.00	0.00	0.00	0.00	0.00	0.00
03040204	290	0	0.60	0.00	0.00	0.00	0.00	0.00
03040206	0	0	(0.14)	0.00	(2.10)	(0.24)	0.00	0.00
03040207	(556)	0	(0.79)	0.00	0.60	0.00	0.00	0.00
Neuse	**(1,044)**	**0**	**14.84**	**33.20**	**3.22**	**1.06**	**0.00**	**0.00**
03020201	(1,416)	0	13.69	27.00	1.15	0.00	0.00	0.00
03020202	0	0	0.49	6.20	1.97	1.06	0.00	0.00
03020203	372	0	0.00	0.00	0.00	0.00	0.00	0.00
03020204	0	0	0.66	0.00	0.10	0.00	0.00	0.00
New	**3,013**	**0**	**0.00**	**0.63**	**0.00**	**0.00**	**0.00**	**0.00**
05050001	3,013	0	0.00	0.63	0.00	0.00	0.00	0.00
Pasquotank	**0**	**0**	**4.83**	**2.53**	**2.44**	**0.00**	**0.00**	**0.00**
03010205	0	0	4.83	2.53	2.44	0.00	0.00	0.00
Roanoke	**1,329**	**0**	**2.94**	**0.00**	**0.94**	**0.00**	**0.00**	**0.00**
03010107	0	0	2.94	0.00	0.94	0.00	0.00	0.00
03010102	0	0	0.00	0.00	0.00	0.00	0.00	0.00
03010103	1,329	0	0.00	0.00	0.00	0.00	0.00	0.00
03010104	0	0	0.00	0.00	0.00	0.00	0.00	0.00
03010106	0	0	0.00	0.00	0.00	0.00	0.00	0.00

Appendix K: MOU ILF Net Asset Balances (Surplus and Deficits)

River Basin	Cataloging Unit	Stream Restoration	Stream Restoration Equivalent	Riparian Restoration Mitigation	Riparian Restoration Equivalent	Nonriparian Restoration	Nonriparian Restoration Equivalent	Coastal Marsh Restoration	Coastal Marsh Restoration Equivalent
Savannah		**0**	**0**	**0.00**	**0.00**	**(0.11)**	**0.00**	**0.00**	**0.00**
	03060101	0	0	0.00	0.00	(0.11)	0.00	0.00	0.00
	03060102	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Tar-Pamlico		**874**	**(4,244)**	**2.76**	**0.00**	**6.19**	**0.00**	**(0.10)**	**(0.10)**
	03020101	2,616	0	0.32	0.00	0.28	0.00	0.00	0.00
	03020102	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	03020103	0	0	0.18	0.00	2.98	0.00	0.00	0.00
	03020104	(1,742)	(4,244)	2.25	0.00	0.44	0.00	0.00	0.00
	03020105	0	0	0.00	0.00	2.48	0.00	(0.10)	(0.10)
Watauga		**0**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	06010103	0	0	0.00	0.00	0.00	0.00	0.00	0.00
White Oak		**1,893**	**0**	**2.79**	**0.36**	**(2.52)**	**(0.95)**	**4.59**	**0.00**
	03020106	60	0	2.23	0.00	0.09	0.00	0.30	0.00
	03030001	1,833	0	0.56	0.36	(2.61)	(0.95)	4.29	0.00
Yadkin		**9,609**	**152**	**3.60**	**0.41**	**(2.16)**	**(2.16)**	**0.00**	**0.00**
	03040101	6,027	0	0.16	0.00	0.00	0.00	0.00	0.00
	03040102	81	0	0.00	0.00	0.00	0.00	0.00	0.00
	03040103	2,087	152	2.26	0.44	(0.26)	(0.26)	0.00	0.00
	03040104	0	0	1.22	0.00	0.00	0.00	0.00	0.00
	03040105	1,414	0	(0.80)	(0.03)	(1.90)	(1.90)	0.00	0.00
	03040201	0	0	0.76	0.00	0.00	0.00	0.00	0.00
	03040202	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total		**31,715**	**(7,553)**	**148.68**	**48.26**	**22.34**	**48.29**	**4.49**	**(0.10)**

Appendix L: MOU ILF Outstanding Permit Mitigation Requirements

MOU Permit Requirements that are not Fully Compliant

River Basin	Cataloging Unit	DWQ Year	DWQ Number	USACE Number	DWQ Mitigation Required	USACE Mitigation Required	Total Mitigation Required	Description	Implementation Deadline	Restoration Remaining	Restoration Equivalents Remaining	Total Mitigation Remaining
CAPE FEAR	03030002	2007	2005-0688	2005-21057-201	3,044	2,741	3,044	Warm Stream	6/30/2009	2,087.5	0	2,087.5
		2006	2006-1731	2007-00440-292	0	0.512	0.512	Nonriparian	2/15/2008	0.256	0.256	0.512
		2006	2006-1833	2006-40213-201	0	0.97	0.97	Nonriparian	2/14/2008	0.485	0.485	0.97
		2007	2007-0193	2007-02603-292	0	0.29	0.29	Nonriparian	6/30/2009	0.29	0	0.29
	03030003	2005	2005-0931	2005-21024	0	0.19	0.19	Nonriparian	8/31/2006	0.19	0	0.19
		2007	2007-0689	2006-20594	0	0.4	0.4	Nonriparian	6/30/2009	0.4	0	0.4
	03030007	2000	2000-1426	199403620	173	350	350	Warm Stream	11/18/2004	0	71	71
		2007	2007-1158	2004-01067	0	297	297	Warm Stream	6/30/2009	297	0	297
CATAWBA	03050101 or 03050103	1999	1999-0337	1999-30776	12,064	12,064	12,064	Warm Stream	9/17/2001	0.0	3,786	3,786.0
	03050101	2001	2001-0414		0.06	0	0.06	Nonriparian	11/18/2004	0	0.03	0.03
	03050101	1999	1999-0844		2	0	2	Nonriparian	5/10/2005	0	2	2
	03050103	2005	2005-2162	2004-30773	1.8	1.8	1.8	Nonriparian	7/7/2007	1.8	0	1.8
		2007	2007-0655	2007-00013-360	0	0.5	0.5	Nonriparian	6/30/2009	0.277	0.223	0.5
		2007	2007-1673	2007-02551-360	0	0.195	0.195	Nonriparian	6/30/2009	0.195	0	0.195
CHOWAN	03010204			2006-32513-146	0	0.044	0.044	Nonriparian	7/13/2007	0.022	0.022	0.044
				2006-40766-146	0	0.2	0.2	Nonriparian	2/15/2008	0.1	0.1	0.2
LITTLE TENNESSEE	06010203	2003	2003-1502	2004-30209	288	288	288	Cool Stream	1/29/2005	288	0	288
		1998	1998-1130	1998-31148	802	802	802	Cold Stream	6/12/2008	802	0	802
LUMBER	03040206			2005-01275	0	0.14	0.14	Riparian	1/11/2007	0.14	0	0.14
				2005-00915	0	0.424	0.424	Nonriparian	2/13/2007	0.424	0	0.424
		2001	2001-1680	2001-00853	0	1.38	1.38	Nonriparian	3/8/2007	0.69	0	0.69
				2006-00849	0	0.04	0.04	Nonriparian	7/11/2007	0.019	0	0.019
		2006	2006-1402	2006-40668-010	1	0.5	1	Nonriparian	10/31/2008	0.5	0.239	0.739
				2007-04009	0	0.47	0.47	Nonriparian	6/30/2009	0.47	0	0.47
	03040207	2007	2007-0587	2006-00020	0	54	54	Warm Stream	6/30/2009	54	0	54
		2007	2007-1401	2005-00833	438	219	438	Warm Stream	6/30/2009	438	0	438
		2005	2005-2146	2005-00777	0	64	64	Warm Stream	6/30/2009	64	0	64
				2006-32207-010	0	0.13	0.13	Riparian	1/7/2009	0.13	0	0.13
		2007	2007-0587	2006-00020	0	0.246	0.246	Riparian	6/30/2009	0.246	0	0.246
		2007	2007-1732	2006-41094	0	0.25	0.25	Riparian	6/30/2009	0.25	0	0.25
		2007	2007-1401	2005-00833	0	0.16	0.16	Riparian	6/30/2009	0.16	0	0.16
NEUSE	03020201	2006	2006-1617	2006-20100-292	2,354.0	2,354.0	2,354.0	Warm Stream	6/30/2009	1,415.9	0	1,415.9
SAVANNAH	03060101	2002	2002-0784	2007-02196-350	0.0	0.3	0.3	Nonriparian	6/30/2009	0.114	0	0.114
TAR-PAMLICO	03020104	2005	2005-0785	1999-301143	7,256.0	8,488.0	8,488.0	Warm Stream	9/19/2007	1,742.0	4,244.0	5,986.0
	03020105	2005	2005-0068	2005-11011	0	0.2	0.2	Coastal Marsh	7/6/2006	0.1	0.1	0.2

Appendix L: MOU ILF Outstanding Permit Mitigation Requirements

MOU Permit Requirements that are not Fully Compliant

River Basin	Cataloging Unit	DWQ Year	DWQ Number	USACE Number	DWQ Mitigation Required	USACE Mitigation Required	Total Mitigation Required	Description	Implementation Deadline	Restoration Remaining	Restoration Equivalents Remaining	Total Mitigation Remaining
WHITE OAK	03030001			2001-00555	0	0.24	0	Nonriparian	10/9/2003	0.24	0	0.24
		2002	2002-1538	200200945	0	0.33	0.33	Nonriparian	12/18/2003	0.33	0	0.33
				200201284	0	0.128	0.128	Nonriparian	3/24/2004	0.064	0.064	0.128
		2006	2006-1167	2005-01066	0	0.4	0.4	Nonriparian	8/30/2007	0.2	0.2	0.4
		2006	2006-0843	2005-01194	0	0.203	0.203	Nonriparian	10/10/2007	0.203	0	0.203
		2007	2007-0057	2007-00123-071	0	0.066	0.066	Nonriparian	2/14/2008	0.033	0.033	0.066
		2007	2007-0064	2007-63065	0	0.172	0.172	Nonriparian	2/14/2008	0.086	0.086	0.172
		2006	2006-1274	2006-00208	0	0.41	0.41	Nonriparian	2/14/2008	0.41	0	0.41
		2007	2007-0299	2005-00617-065	0	0.148	0.148	Nonriparian	4/1/2008	0.148	0	0.148
		2006	2006-1784	2006-00450-065	0	0.12	0.12	Nonriparian	8/8/2008	0.06	0.06	0.12
		2002	2002-1159	2006-32259-071	0	0.97	0.97	Nonriparian	6/30/2009	0.485	0.505	0.99
		2007	2007-0397	2005-00906	0	0.36	0.36	Nonriparian	6/30/2009	0.36	0	0.36
YADKIN	03040103	2004	2004-0343	2004-30192	0.26	0.5	0.5	Nonriparian	6/8/2005	0.26	0.26	0.52
	03040105	2007	2007-0076	2007-00360-313	0	0.49	0.49	Riparian	3/21/2008	0.331	0	0.331
		2007	2007-1092	2007-1957-313	0	0.5	0.5	Riparian	6/30/2009	0.47	0.03	0.5
		2003	2003-1313	2004-30080	0	0.93	0.93	Nonriparian	2/3/2005	0.465	0.465	0.93
		2003	2003-0130	2007-681-313	0	1.7	1.7	Nonriparian	6/30/2009	0.85	0.85	1.7
		2008	2008-0121	2008-00145-360	0	0.68	0.68	Nonriparian	6/30/2009	0.34	0.34	0.68
		2008	2008-0652	2008-01238-360	0	0.492	0.492	Nonriparian	6/30/2009	0.246	0.246	0.492

Shaded Areas Indicate Partially Met Requirements

Total Stream	15,289.415
Total Riparian	1.757
Total Nonriparian	17.476
Total Coastal Marsh	0.200

Updated 3/31/2010